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**2013
UNITED STATES MASTERS SWIMMING
CODE OF REGULATIONS
AND
RULES OF COMPETITION**

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Telephone: (800) 550-SWIM (7946) or (941) 256-8767
Fax: (941) 556-7946
Email: USMS@USMS.ORG**

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DEDICATION



The *2013 United States Masters Swimming Code of Regulations and Rules of Competition* is dedicated to Rob Copeland.

For over 30 years, Rob Copeland has been dedicated to U.S. Masters Swimming by serving not only as the President of the organization, but as a volunteer in almost every capacity in the clubs he has been a member of throughout the years.

During Rob's presidency from 2005-2009, he guided U.S. Masters in hiring the first and second Executive Directors, hosting the largest FINA world championship, the initiation of the club development program, online registration, and the establishment of a permanent national headquarters.

As a competitive swimmer, Rob has over 150 Top Ten individual achievements, over 20 All American Honors and currently holds four USMS Records.

Previous Rule Book Dedications

1989	June Krauser
1992	Mary Lee Watson
1993	Kathrine Casey and Gail Dummer
1994	All USMS volunteers
1995	E. Kevin Kelly
1996	Dorothy Donnelly
1997	Jack Geoghegan
1998	USMS All-Americans
1999	F.H. "Ted" Haartz
2000	Jim Matysek
2001	Gene Donner and the staff of Gateway Printing
2002	Nancy Ridout
2003	Tom Boak
2004	Joanne Tingley
2005	Walt Reid
2006	Pieter Cath
2007	Pacific Masters XI FINA World Masters Championships Organizing Committee
2008	Steve Schofield
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Web Developer	Jeff Perout
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Organizing Principles

Preamble

United States Masters Swimming is an organization of sportswomen and sportsmen founded in 1970 and dedicated to the premise that the lives of participants will be enhanced through aquatic physical conditioning. USMS supports and encourages competitions among its members and those of other nations. This book establishes certain rules and regulations for the conduct of the organization, the participants and the competitors in the spirit of good sportsmanship.

Mission Statement

To promote health, wellness, fitness and competition for adults through swimming.

Vision Statement

USMS will be the premier resource for adult aquatic fitness in the United States and will make fitness through swimming available for as many adults as possible.

Goals and Objectives

- A** To encourage and promote improved physical fitness and health in adults.
- B** To offer adults the opportunity to participate in a lifelong fitness and/or competitive swimming program.
- C** To encourage organizations and communities to establish and sponsor Masters swimming programs.
- D** To enhance fellowship and camaraderie among Masters swimmers.
- E** To stimulate research in the sociology, psychology and physiology of Masters swimming.

Core Objectives

Service the membership.
Educate the membership.
Build the membership.

Major Changes for 2013

Starts: Swimmers starting in the water must have at least one foot on the wall and one hand in contact with the wall or starting block. (articles 101.1.1 and 103.8.5)

Swimwear for Pool Competition:

- Medical identification items may be worn in competition. (articles 102.12.1E and 102.13.9)
- Snorkels and neoprene caps are prohibited. (articles 102.12.1E and 102.13.9)

Timing:

- If the secondary timing system is a fully integrated video system, a tertiary system of one stopwatch per lane is not required. (article 103.17.2C)
- When overhead video cameras replace timers, other meet personnel shall perform other duties normally performed by timers. (articles 103.11.2A&D, 103.11.3B, and 104.5.10C)
- If there is a touchpad malfunction and fully integrated, stationary overhead cameras are operating properly as the secondary system, then the video camera time shall be the official time without adjustment. (article 103.17.3D)

Scoring: For non-standard meets the LMSC and/or meet host may establish the scoring point values to suit the format of the meet. (article 103.19.3)

National Championship Meets:

- All bids for a national championship meet shall be submitted to the chair of the Championship Committee no later than July 1 (or the next business day if July 1 falls on a Sunday or holiday). (article 104.3.4)
- The Championship Committee may limit participation in the 800/1000 or the 1500/1650 freestyle to only those who meet the national qualifying time for that event. (article 104.5.3C[2])
- A swimmer shall notify the meet host of a valid club transfer prior to the first event in which that swimmer competes. (article 104.5.4A[3])
- National championship meet information shall be published according to Championship Committee policy. Entry forms and additional information shall be published on the USMS website. (article 104.5.4B2)
- Eliminated the option of swimming two-to-a-lane in freestyle events over 200 meters.

Pool Measurement:

- Record applications and Top 10 submissions shall not be accepted unless certification of course length accompanies them or is on file with USMS or FINA. USA Swimming verification of pool length certification will be accepted if it meets the USMS requirements for pool measurement. (article 105.1.6A&B)

-
- Structural changes to a pool include resurfacing. (article 105.1.6C)
 - If a bulkhead is used and the initial pool length certification for all lanes is on file, the measurement rules and policies of FINA shall be the standard for events sanctioned by a FINA Masters member federation other than USMS. (article 105.1.7D)
 - If a bulkhead is used and the initial pool length certification for all lanes is on file, the measurement rules and policies of USA Swimming shall be the standard for Top 10 eligibility for events sanctioned by USA-S. The measurement rules and policies of USMS shall apply for dual sanctioned events. (article 105.1.7E)

All-American and All-Star: All-Star criteria were added to the rule. (article105.4)

Facility Standards:

- Water temperature from 25 to 28 degrees Celsius (77 to 82 degrees Fahrenheit) shall be maintained for competition. [M*, NC] (article 107.6)
- The rule requiring a line marking the midpoint of a long course pool has been deleted.

Glossary

Aggregate Time—times achieved by four individuals in separate starts that are added together to arrive at a relay time for entry purposes.

Anchored (Starting Platform)—stable at all times without human aid.

Arm—that part of the body that extends from the shoulder to the wrist.

Body—the torso, including shoulders and hips.

Bulkhead—moveable end wall of a course.

Cable Swim—a type of straightaway swim defined by a cable.

Calm State or Surface—normal level surface without turbulence.

Chapter—a subordinate organization (subgroup) of a club that is a member of USMS registered through an LMSC. Individual members of a chapter are also members of the parent club.

Club—an organization or group of permanent character that is a member of USMS, registered through an LMSC and that actively promotes and/or participates in Masters swimming.

Corporation—United States Masters Swimming Inc. (USMS).

Course—designated distance over which the competition is conducted.

Long Course—50 meters.

Short Course—25 yards or 25 meters.

Deck Entered—all entries are accepted on the first or later day of that meet and subsequently seeded into events.

Deck-Seeding—with or without check-in, events are seeded at the time of the event using entries received prior to or at the meet.

Drafting/Slipstreaming—in open water and long distance events, an individual swimming behind or next to a single swimmer or support craft for the purpose of taking advantage of the reduced water resistance.

Dual Meet—competition between two clubs.

Electronic Timing Chip—used to trigger the timing system and may not be used as an audible pacing device in swimming.

End of the Course—designated wall for racing turns or finishes.

Escort Craft—boats or paddle boards that accompany swimmers in open water swim for safety and logistical support, including the person or people that staff them.

Event—any clinic, demonstration, series of races in a given stroke and distance, or meet, including pool, long distance and open water.

Event Director—the person responsible for the administration and conduct of the event.

Ex Officio Member—a committee member, appointed by virtue of an office or position held, who has participatory rights of membership but no vote.

FINA—Federation International de Natation (International Federation of Swimming).

Finish—the instant that a swimmer touches the wall at the end of the prescribed distance.

Finish Point—the physical location where the race terminates.

Fitness Events—events designed to encourage and enhance fitness.

First Day of Meet—day on which first competitive swimming event is conducted.

Foreign Swimmer—athlete member of a FINA member federation other than USMS.

Forward Start—an entry made while facing the course or a start made while in the water either facing the course or not facing the course.

Foul—an instance of obstruction, interference, collision or equipment malfunction that prevents the successful completion of a race.

Grease—a substance used by swimmers to reduce friction or reduce the loss of body heat during a swim.

Heat—a division of an event in which there are too many swimmers to compete at one time.

Horizontal—parallel to the level surface of the water.

IOC—International Olympic Committee.

Initial Distance—that first portion of a race for which an official time may be recorded but which is not itself a completed event.

Lane—the specific area in which the swimmer is assigned to swim.

Lane Line—continuous floating markers attached to a line stretched from one end of the course to the other for the purpose of separating adjacent lanes.

Lane Markers—the guide lines on the bottom of the pool and in the center of the lanes running from one end of the course to the other.

Last Day of the Meet—day on which last competitive swimming event is conducted.

Leadoff—the first part of the relay event that is swum by a single team member.

Leg (Relay)—the part of the relay event that is swum by a single team member.

Length—extent of the course from end to end.

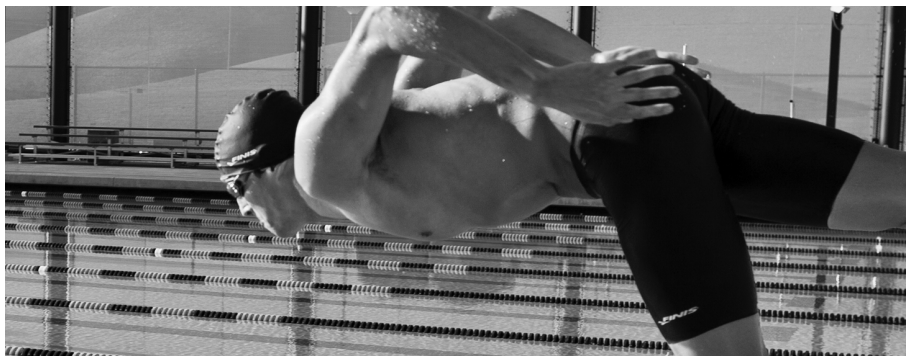
LMSC—Local Masters Swimming Committee.

Malfunction—a mechanical or electronic equipment failure; not a human failure by the swimmer.

-
- Manual Start**—the start of any timing device by an individual in response to the same starting signal given to the swimmers.
- Mark**—take your) starting position.
- Masters Swimming**—a program including training, competition and other activities affiliated with United States Masters Swimming through the participation of USMS members or through a USMS sanction.
- May**—permissive, not mandatory.
- Medical Identification Item**—an item worn by a swimmer that identifies medical conditions, emergency contacts or other information necessary to protect the health of the swimmer. Medical identification items are not considered part of swimwear.
- Meet**—an event or series of events held under a single sanction or recognition and conducted within 10 consecutive days, except for postal meets.
- Member**—an individual, club or organization that registered with USMS through an LMSC.
- Must**—mandatory.
- Open Competition**—competition that any qualified individual, club or organization may enter.
- Paddler**—a person on a paddle board or manually propelled craft who supports a swimmer or group of swimmers.
- Pool**—the physical facility in which the competition is conducted.
- Postal Event**—a swimming competition conducted in multiple pool locations with results compiled in a central location.
- Preseeding**—events are seeded prior to the day of competition.
- Propulsive**—having the power to propel.
- Recognized Events**—the written acknowledgment by an LMSC for a designated competition conducted in conformance with relevant USMS rules, or a demonstration, clinic or exhibition conducted by USMS member clubs, individual members or organizations other than USMS in which both members and nonmembers may participate. Times or distances achieved by members at recognized competitions will be considered for recording purposes by USMS.
- Register**—enroll as a member of USMS through an LMSC.
- Safety/Medical Evacuation Plans**—written plans for the procedures to be followed in the event of an emergency or need for medical intervention.
- Sanction**—the written authorization of an LMSC to permit members to participate in a specific competition, demonstration, clinic, exhibition or Swim-A-Thon®.
- Scissors Kick**—use of the top of the instep of one foot and the bottom of the other foot in the propulsive part of the kick.

-
- Scratch**—withdraw an entry from an event or fail to report to the assigned lane in the assigned heat.
- Seeding**—distributing swimmers among the required number of heats and/or lanes, based on submitted times.
- Session**—any portion of a pool meet distinctly separated from other portions of the meet by locale, time, day or type of competition; i.e., first day and second day, morning and evening, etc., exclusive of a short break between events such as before the start of distance events or relays.
- Shall**—mandatory.
- Should**—recommended but not mandatory.
- Soft Touch**—a swimmer’s touch that does not register a time at the point of contact with the touchpad.
- Split Time**—time recorded from official start to completion of an initial distance within a longer event.
- Still Water**—water contained within four walls or landlocked, having no perceptible current or movement other than that caused by wind or by swimmers. (Circulatory systems should be off during competition.)
- Straightaway Swim**—any swim of any length where the course shall be a straight, measured distance, in stationary open water and defined by a cable with floats or a continuous marking system visible to the swimmer.
- Submitted Times**—those filed with an entry as having been previously achieved or reasonably estimated; also known as seed times.
- Timed Finals**—competition in which only heats are swum and final placings are determined by the times achieved in the heats.
- Touch**—contact with the end of the course.
- Turn**—a point on the course where the swimmers reverse or change direction of the swim.
- USA-S**—United States Aquatic Sports Inc.
- USMS**—United States Masters Swimming Inc.
- Unattached Member**—an individual member who does not represent a USMS club.
- Venue**—geographical area and environs where a swim event is conducted.
- Wall**—the vertical portion of the pool, the contiguous surface of the deck and overflow gutters, the front portion of the starting block or platform, or the touchpad at the end of the course.
- Warning Signal**—a bell, whistle, air horn or other appropriate audible device.
- Wave**—the second or subsequent start used if the start area cannot accommodate all contestants at the same time.
- Will**—consent to do, an expectation or used interchangeably with shall.

Zone—a geographic section of the country that includes all LMSCs within that section.



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PART 1: SWIMMING RULES

1

All provisions under *Part 1: Swimming Rules*, unless otherwise specified, are effective beginning January 1, 2013, and until changed. Rules in effect on the first day of a meet shall govern throughout the meet.

Part 1: Swimming Rules is based upon articles 101, “Individual Strokes and Relays,” 102, “Conduct and Officiating of All Swimming Competition,” and 105, “Guidelines for Officiating Swimmers with a Disability in USA Swimming Meets,” of the USA Swimming Technical Rules, which, as amended, will govern all Masters swimming competitions.

All competitive swimming events held under corporate sanction shall be conducted in accordance with the following rules, which are designed to provide fair and equitable conditions of competition.

It is not the purpose of the *Code of Regulations and Rules of Competition* of United States Masters Swimming (the national governing body) contained herein to set standards of care for the safety of the swimmer. Safety considerations should be addressed by the swimmer, the swim coach and the local public entity or pool owner in whose facility events are held.

ARTICLE 101: Starts, Strokes and Relays

101.1 Starts

101.1.1 Forward Start—The forward start may be taken from the starting block, the pool deck or a push from the wall. At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear, followed by a long whistle indicating that they should take their positions with at least one foot at the front of the starting platform or the deck before the command, “Take your mark.” Swimmers starting in the water must take their positions on the wall with at least one hand in contact with the wall or starting platform and one foot in contact with the wall before the command “Take your mark” and may face any direction.

101.1.2 Backstroke Start

A Starting commands—At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear. At the referee’s first long whistle, the swimmers shall immediately enter the water and at the second long whistle shall take their positions on the wall without undue delay.

B All courses—The swimmers shall line up in the water facing the starting end with both hands placed on the gutter or on the starting grips. Standing in or on the gutter, placing the toes above the lip of the gutter

or bending the toes over the lip of the gutter before or after the start is prohibited.

101.2 Breaststroke

101.2.1 Start—The forward start shall be used.

101.2.2 Stroke—After the start and after each turn when the swimmer leaves the wall, the shoulders must be at or past the vertical toward the breast. The swimmer is not permitted to roll onto the back at any time. Throughout the race the stroke cycle must be one arm stroke and one leg kick in that order.

All movements of the arms shall be simultaneous and in the same horizontal plane without alternating movement.

The hands shall be pushed forward together from the breast on, under or over the water. The elbows shall be under water except for the final stroke before the turn, during the turn and for the final stroke at the finish. The hands shall be brought back on or under the surface of the water. The hands shall not be brought back beyond the hip line, except during the first stroke after the start and each turn.

During each complete cycle, some part of the swimmer's head shall break the surface of the water. After the start and after each turn, the swimmer may take one arm stroke completely back to the legs. The head must break the surface of the water before the hands turn inward at the widest part of the second stroke.

101.2.3 Kick—After the start and after each turn, a single butterfly (dolphin) kick, which must be followed by a breaststroke kick, is permitted during or at the completion of the first arm pull, following which, all movements of the legs shall be simultaneous and in the same horizontal plane without alternating movement.

The feet must be turned outwards during the propulsive part of the kick. A scissors, flutter or downward butterfly (dolphin) kick is not permitted except as provided herein. Breaking the surface of the water with the feet is allowed unless followed by a downward butterfly (dolphin) kick.

101.2.4 Turns and Finish—At each turn and at the finish of the race, the touch shall be made with both hands simultaneously at, above or below the water level. The head may be submerged after the last arm pull prior to the touch, provided it breaks the surface of the water at some point during the last complete or incomplete cycle preceding the touch.

101.3 Butterfly

101.3.1 Start—The forward start shall be used.

101.3.2 Stroke—After the start and after each turn, the swimmer's shoulders must be at or past the vertical toward the breast. The swimmer is permitted one or more leg kicks, but only one arm pull under water, which must bring the swimmer to the surface. (**Note:** After the start and after each turn, only one breaststroke kick is allowed prior to the arm pull that brings the swimmer to the surface.) It shall be permissible for a swimmer to be completely submerged for a distance of not more than 15 meters (16.4 yards) after the start and after each turn. By that point, the head must have broken the surface. The swimmer must remain on the surface until the next turn or

finish. From the beginning of the first arm pull, the body shall be kept on the breast. Both arms must be brought forward over the water and pulled back simultaneously.

101.3.3 Kick—All up and down movements of the legs and feet must be simultaneous. The position of the legs or the feet need not be on the same level, but they shall not alternate in relation to each other. The breaststroke or whip kick may be used exclusively or interchangeably with the dolphin kick while doing the butterfly stroke at any time during the race. Only one breaststroke or whip kick is permitted per arm pull, except that a single breaststroke or whip kick is permitted prior to the turn and the finish without an arm pull. After the start and after each turn, a single breaststroke or whip kick is permitted prior to the first arm pull. A scissors kicking movement is not permitted.

101.3.4 Turns—At each turn the body shall be on the breast. The touch shall be made with both hands simultaneously at, above or below the water surface. Once a touch has been made, the swimmer may turn in any manner desired. The shoulders must be at or past the vertical toward the breast when the swimmer leaves the wall.

101.3.5 Finish—At the finish, the body shall be on the breast and the touch shall be made with both hands simultaneously at, above or below the water surface.

101.4 Backstroke

101.4.1 Start—The backstroke start shall be used.

101.4.2 Stroke—Standing in or on the gutter, placing the toes above the lip of the gutter or bending the toes over the lip of the gutter immediately after the start is not permitted. The swimmer shall push off on the back and continue swimming on the back throughout the race. Some part of the swimmer must break the surface of the water throughout the race, except it shall be permissible for the swimmer to be completely submerged during the turn, at the finish and for a distance of not more than 15 meters (16.4 yards) after the start and each turn. By that point, the head must have broken the surface of the water.

101.4.3 Turns—Upon completion of each length, some part of the swimmer must touch the wall. During the turn the shoulders may be turned past the vertical toward the breast, after which a continuous single arm pull or a continuous simultaneous double arm pull may be used to initiate the turn. Once the body has left the position on the back, any kick or arm pull must be part of the continuous turning action. The swimmer must have returned to a position on the back upon leaving the wall.

Note: The swimmer who turns past vertical and, in a continuous motion, grabs the wall before pushing off with the feet while on the back is considered to have executed a “continuous turning action.”

101.4.4 Finish—Upon the finish of the race, the swimmer must touch the wall while on the back. The body may be submerged at the touch.

101.5 Freestyle

101.5.1 Start—The forward start or the backstroke start shall be used.

101.5.2 Stroke—In an event designated freestyle, the swimmer may swim any style, except that in a medley relay or individual medley event, freestyle means any style other than butterfly, breaststroke or backstroke. Some part of the swimmer must break the surface of the water throughout the race, except it shall be permissible for the swimmer to be completely submerged during the turn and for a distance of not more than 15 meters (16.4 yards) after the start and each turn. By that point the head must have broken the surface.

101.5.3 Turns—Upon completion of each length, the swimmer must touch the wall.

101.5.4 Finish—The swimmer shall have finished the race when any part of the swimmer touches the wall after completing the prescribed distance.

101.6 Individual Medley

The swimmer shall swim the prescribed distance in the following order: the first one-fourth, butterfly; the second one-fourth, backstroke; the third one-fourth, breaststroke; and the last one-fourth, freestyle.

101.6.1 Start—The forward start shall be used.

101.6.2 Stroke—The stroke for each one-fourth of the designated distance shall follow the prescribed rules for each stroke.

101.6.3 Turns

A Intermediate turns within each stroke shall conform to the turn rules for that stroke.

B The turns when changing from one stroke to another shall conform to the finish rules for the stroke just completed, and shall be as follows:

(1) Butterfly to backstroke—The swimmer must touch as described in article 101.3.5. Once a legal touch has been made, the swimmer may turn in any manner, but the shoulders must be at or past the vertical toward the back when the swimmer leaves the wall.

(2) Backstroke to breaststroke—The swimmer must touch the wall while on the back. Once a legal touch has been made, the swimmer may turn in any manner, but the shoulders must be at or past the vertical toward the breast when the swimmer leaves the wall and the prescribed breaststroke form must be attained prior to the first arm stroke.

(3) Breaststroke to freestyle—The swimmer must touch as described in article 101.2.4. Once a legal touch has been made, the swimmer may turn in any manner.

101.6.4 Finish—The swimmer shall have finished the race when any part of the swimmer touches the wall after completion of the prescribed distance.

101.7 Relays

101.7.1 Freestyle Relay—Four swimmers on each team, each to swim one-fourth of the prescribed distance using any desired stroke(s). Freestyle finish rules apply.

101.7.2 Medley Relay—Four swimmers on each team, each to swim one-fourth of the prescribed distance in the following order: first, backstroke; second, breaststroke; third, butterfly; fourth, freestyle. Rules pertaining to each stroke

used shall govern where applicable. At the end of each leg, the finish rule for each stroke applies in each case.

101.7.3 Rules Pertaining to Relay Races

- A** No swimmer shall swim more than one leg in any relay event.
- B** When automatic relay takeoff judging is used, all swimmers must touch the touchplate or pad in their respective lanes at the end of the course to have finished their legs of the relay race.
- C** A swimmer other than the first swimmer shall not start until the previous swimmer's leg has been concluded.
- D** If a team member other than the swimmer designated to swim a particular leg jumps into or enters the pool in the area where the race is being conducted and before all swimmers of all teams have finished the race, both the offending swimmer and relay team shall be disqualified.

Note: An exception may be granted to a relay team member who wishes to enter the water to start from the water; this swimmer shall notify the starter and be careful not to disturb or interfere with another swimmer or the timing system pad when in use.

- E** All relay team members shall leave the water immediately upon finishing their legs, except for the last member.

Note: Swimmers who cannot exit the water quickly enough to prevent interference with automatic officiating equipment may be allowed to hold on to the lane line until all relays have finished, allowing them to exit the pool more slowly or via the ladders at the conclusion of the race.

- F** Mixed relays shall consist of two men and two women who may swim in any order.
- G** Competitors shall be allowed to swim only once per meet in each of the following relays: men's/women's 200 medley, 400 medley, 200 freestyle, 400 freestyle and 800 freestyle; and mixed 200 medley, 400 medley, 200 freestyle, 400 freestyle and 800 freestyle.
- H** The team of a swimmer whose feet have lost contact with the starting platform (ground, deck or wall) before the preceding teammate touches the wall shall be disqualified.

ARTICLE 102: Swimming Competition

102.1 Eligibility

- 102.1.1** To be eligible for competition, including participation in warm-ups, members must be 18 years of age or over.
- 102.1.2** USMS members may participate in non-USMS aquatic activities, meetings, exhibitions, demonstrations, etc., without jeopardy to their eligibility to swim in USMS competition. However, any times achieved in nonsanctioned or nonrecognized activities will not be recorded for official purposes and

cannot be used for LMSC rankings or national Top 10 times, All-American status or qualification times for USMS national championship meets.

102.2 Age Determining Date

102.2.1 For short course yards, the eligibility of a participant for a particular age group shall be determined by the age as of the last day of the meet.

102.2.2 For short course meters and long course meters, the eligibility of a participant for a particular age group shall be determined by the age as of December 31 of the year of competition.

102.3 Age Groups

102.3.1 Individual Events—18–24, 25–29, 30–34, 35–39, 40–44, 45–49, 50–54, 55–59, 60–64, 65–69, 70–74, 75–79, 80–84, 85–89, 90–94, 95–99, 100–104 ... (five-year age groups as high as is necessary).

102.3.2 Relay Events

A Short course (25) yards—18+, 25+, 35+, 45+, 55+, 65+, 75+, 85+, 95+... (10-year increments as high as is necessary). The age of the youngest relay team member shall determine the age group. Relay teams must swim in the oldest age group for which they are eligible.

B Short course (25) meters and long course (50) meters—72–99, 100–119, 120–159, 160–199, 200–239, 240–279, 280–319, 320–359, 360–399 ... (40-year increments as high as is necessary). The aggregate age of the four relay team members shall determine the age group.

102.4 Warm-up/Warm-down

102.4.1 Availability—If there is no other warm-up/warm-down area available in pools of five lanes or more, one lane shall be set aside for warm-up/warm-down during the conduct of the meet. If there is no other warm-up/warm-down area available in pools of four or fewer lanes, swimmers shall be allowed to swim to the other end of the pool at the end of each heat, and a warm-up/warm-down period shall be offered at least once during each half-hour of competition.

102.4.2 Procedure—Swimmers must enter the pool feet first in a cautious and controlled manner. Diving shall be permitted only in the designated lanes. No hand paddles are allowed.

102.5 Events

In planning any meet, careful consideration must be given the demands to be made upon swimmers, officials and spectators, in that order. Meets should be planned to terminate within a reasonable period of time each day. Planning should provide for adequate meal and rest breaks and sheltered rest areas.

Any event conducted must be offered for all groups and both genders. Any of the following events may be conducted.

102.5.1 Short Course (25) Yards

50-100-200-500-1000-1650 yards freestyle

50-100-200 yards backstroke

50-100-200 yards breaststroke

50-100-200 yards butterfly

100-200-400 yards individual medley
 200-400-800 yards freestyle relay
 200-400-800 yards mixed freestyle relay
 200-400 yards medley relay
 200-400 yards mixed medley relay

102.5.2 Long Course (50) Meters and Short Course (25) Meters

50-100-200-400-800-1500 meters freestyle
 50-100-200 meters backstroke
 50-100-200 meters breaststroke
 50-100-200 meters butterfly
 100*-200-400 meters individual medley
 200-400-800 meters freestyle relay
 200-400-800 meters mixed freestyle relay
 200-400 meters medley relay
 200-400 meters mixed medley relay
 *short course meters only

Note: For nonconforming events see article 202.1.1F(3). For open water and long distance events, see Part 3.

102.6 Event Limit

A swimmer may compete in not more than five individual events per day (or three individual events if the meet is a trials/finals format). If, however, due to conditions beyond the control of meet officials, an event or events are postponed to a subsequent day of the meet, such postponed events shall not be included in the five (or three) events per day limitation.

102.7 Entry Fees

Entry fee policies for local Masters events shall be set by the LMSC.

102.8 Scratch Procedures

It is the swimmer's responsibility to be informed of the meet starting time and to report to the proper meet authorities promptly upon call. Meet announcements and advance information shall specify check-in and scratch procedures for individual and relay events.

102.8.1 Penalties—Any swimmer or relay team not reporting for or competing in an event shall not be penalized.

102.9 Relays

102.9.1 Relay teams shall not compete unattached. In all cases, relay teams must be composed of USMS members of the same club, which is a member of USMS.

102.9.2 Clubs entering two or more relay teams in an event shall designate them on the entry blank as team A, team B, etc.

102.9.3 The best time or aggregate time of each relay team shall be entered on the entry blank for seeding purposes, and no change in time shall be permitted.

102.9

- 102.9.4** Swimmers who will be competing only in relays must be entered in accordance with the procedures in the official meet entry information.
- 102.9.5** On the relay card, relay teams must list the name of the club, the full name (as it appears on the USMS membership card), the age and for mixed relays the gender of each relay member. The name of the leadoff swimmer must be clearly designated.
- 102.9.6** First and last names of eligible relay swimmers, their ages and order of swimming shall be submitted to the clerk of course or to the head lane timer. Any changes in names of the competing swimmers or their order of swimming must be declared to the head lane timer prior to the start of the relay heat in which such relay team is entered. No changes will be permitted thereafter.
- 102.9.7** The competing teams, first and last names of members, and their ages must be listed in the meet results.

102.10 Lane Assignments–Seeding–Counters

102.10.1 Seeding Principles for Masters Competition

- A** All short course meters events, long course meters events and national championships shall be conducted on a timed-final basis. Other short course yards events may be conducted on a timed-final basis or other basis (e.g., trials/finals). In a trials/finals format, competitors shall be limited to three individual events per day.
- B** Age groups and/or genders as well as events of the same distance 200 yards or longer may be combined so that no swimmer has to swim alone and lanes may be filled.
- C** It is recommended that when swimmers are seeded by time and not by age groups, the fastest two swimmers in each age group should not be seeded into outside lanes. It is recommended that they be moved inward one lane or given the center lanes in the next slowest heat, whichever is the more appropriate placement.
- D** Seeding at meets other than national championship meets may be either fast-to-slow or slow-to-fast. Seeding may differ for sprint and distance events (events 400 yards or longer) within a meet. Women’s and men’s heats may be alternated in the distance events. The meet information shall state the seeding for all events.
- E** Heat and lane assignments for events of 200 meters or less shall be available to all competitors at least five minutes prior to the start of the event.

102.10.2 Heat and Lane Assignments

- A Seeding within heats**—Within each heat, lanes shall be assigned in order of submitted times (fastest to slowest) in accordance with the following pattern:

Ten Lanes: 5-6-4-7-3-8-2-9-1-10

Nine Lanes: 5-6-4-7-3-8-2-9-1

Eight Lanes: 4-5-3-6-2-7-1-8

Seven Lanes: 4-5-3-6-2-7-1

Six Lanes: 3-4-2-5-1-6

Five Lanes: 3-4-2-5-1

Four Lanes: 2-3-1-4

- B Minimum number of swimmers per heat**—When there are two or more heats there shall be a minimum of three swimmers or relay teams seeded into the slowest heat. The fastest heat shall be filled first, then the next fastest heat, etc.
- C Fast-to-slow seeding**—The first heat of each event shall be composed of the swimmers with the fastest submitted times, the second heat composed of the next fastest swimmers, etc.
- D Slow-to-fast seeding**—The last heat of each event shall be composed of the swimmers with the fastest submitted times, the next-to-last heat composed of the next fastest swimmers, etc.

102.10.3 Seeding of Events in a 50-Meter Course

- A Seeding of 50-meter events in a 50-meter course**—Fifty-meter events swum in a 50-meter course shall be seeded as provided above. If the event is started at the turning end of the course, no change in the lane numbering shall be made; i.e., the lanes shall be numbered the same on both ends of the course.
- B Starting heats from alternate ends of the course**—If only one course is available and the pool depth is adequate at both ends of the course, the meet director may choose to start heats from alternate ends of the course.
- (1) In 50-meter events, the in-the-water heat may be instructed to wait in the water after the finish until the next heat has been started.
 - (2) In events 100 meters and longer, the next heat may be started when the in-the-water heat is within a half-length of the finish.
 - (3) If the pool depth is different at alternate ends of the course, the meet director may choose to start men's events at one end of the course and women's events at the alternate end of the course. Men's and women's heats shall alternate.
 - (4) If the pool depth is the same at alternate ends of the course, men's and women's heats may alternate.

102.10.4 Two-to-a-Lane Seeding in Distance Freestyle Events

A General principles of seeding two-to-a-lane

(1) Options to swim two-to-a-lane

- (a) At the discretion of the meet director, competitors in the freestyle events over 200 meters may be required to swim two-to-a-lane when only one course is available for the event. The meet information shall state the criteria under which such events are to be swum two-to-a-lane.
- (b) When competitors have an option of swimming two-to-a-lane, the heats with two competitors per lane will be completed before the heats with a single competitor per lane.
- (c) If there are not enough swimmers to fill all heats with two swimmers in each lane, those swimmers with the fastest submitted times may be seeded one-to-a-lane.

(2) Men’s/women’s events

- (a) If men and women compete under the same event number, they shall be seeded by time without regard to gender.
- (b) If men and women compete under different event numbers, they shall be seeded separately by time.
- (c) If men and women compete under different event numbers, men’s and women’s heats should be alternated.

(3) Heat designations—Heats shall be numbered consecutively without using alphabetical characters (e.g., no “A” and “B” heats). Heats shall be referred to as “odd” or “even” numbered heats. Odd and even heats shall be paired when seeding two-to-a-lane.

(4) Reporting to the clerk of course—Swimmers in both odd and even heats shall be asked to report to the clerk of course (or to the starting area) at the same time.

(5) Starting procedure—The starter shall call the odd heat to the starting block first. As soon as the odd heat is under way, swimmers in the even heat shall be called to the starting blocks. The even heat shall be started as soon as practical after the odd heat.

(6) Lane etiquette

- (a) The starter shall instruct the swimmers to swim on one side of the lane during the entire race (i.e., no “circle” swimming).
- (b) Obstructing another swimmer by swimming across the lane or otherwise interfering with the swimmer shall disqualify the offender, subject to the discretion of the referee, and the disqualified offender shall be removed from the lane as soon as practical.

(7) Timing—Separate timing shall be required for each swimmer.

B Methods of seeding two-to-a-lane (either method is recommended)

(1) Swimmers of similar speed in the same heat

- (a) **Heat and lane assignments**—Lanes shall be assigned as in article 102.10.2.
- (b) **Pairing of heats**—After lanes are assigned, heats shall be arranged in pairs beginning with either the slowest or fastest heats, at the meet director’s discretion. The fastest heat within each pair shall be designated as the odd heat and the next-fastest heat as the even heat.

In the following example, for a six-lane pool, “1” refers to the fastest swimmer, “2” to the next-fastest swimmer, etc.

	Lane					
	1	2	3	4	5	6
Odd Heat	5	3	1	2	4	6
Even Heat	11	9	7	8	10	12

(2) Swimmers of similar speed in the same lane—Groups of swimmers equal in number to twice the number of lanes of the pool (e.g., groups of 12 swimmers for a six-lane pool) shall be created. Each group of swimmers shall be divided into odd and even heats. The fastest swimmer in each group shall be assigned to a middle lane in the odd heat. The second-fastest swimmer shall be assigned to the same middle lane in the even heat. The remaining swimmers shall be assigned to lanes in accordance with article 102.10.2A.

In the following example, for a six-lane pool, “1” refers to the fastest swimmer, “2” to the next-fastest swimmer, etc.

	Lane					
	1	2	3	4	5	6
Odd Heat	9	5	1	3	7	11
Even Heat	10	6	2	4	8	12

102.10.5 Places—Places shall be determined on a time basis, subject to the order of finish within each heat. Any ties resulting from the procedure used shall be declared officially tied for awards and points, with no further attempt made at resolution.

102.10.6 Counters

- A** A swimmer in any individual event of 16 lengths or more, except the individual medley, may appoint one counter to call lengths or indicate lengths by visual sign.
- B** Verbal counters shall be limited to one per swimmer and shall be stationed at the end of the course opposite the starting end. They may use watches and signal intermediate times to the swimmer.
- C** If visual counters are used, they may be stationed at the end or either side of the pool beyond the halfway point toward the end of the course opposite the starting end. Visual counters may be lowered into the water at the end of the swimmer’s lane, provided that, in the opinion of the referee, they neither physically aid the swimmer or interfere with another competitor or present any safety hazard.
- D** The count may be in ascending or descending order.
- E** In the event of official or counter error, it is the responsibility of the swimmer to complete the prescribed distance.

102.11 Change of Program and Postponement

- 102.11.1** The order of events, as stated in the meet announcement, shall not be changed. The announced arrangement of heats in any event shall not be added to or altered, except by the authority of the referee to the extent of consolidating the heats.
- 102.11.2** At the meet referee’s discretion, events may be combined by distance and/or stroke.
- 102.11.3** The entry provisions and starting time of any event, meet or portion thereof shall stand as stated in the meet announcement and may not be changed to an earlier time or date unless written notice of such change is delivered to

all affected swimmers or their coaches. Electronic notice must be sent no later than the entry deadline date stated in the meet announcement. If mailed, such notice must be postmarked no later than the entry deadline date stated in the meet announcement, and if lack of time prohibits mail notification, all affected swimmers must voluntarily agree in writing that they have been notified and are in accord with such change. Affected swimmers or coaches may file a written protest with the referee prior to the running of the event or the meet if they do not agree to such change in time or date.

102.11.4 Postponement or Cancellation

- A.** If, prior to the start of a meet or event, unusual or severe weather or other conditions preclude the possibility of safely and effectively conducting a meet or event, the meet committee (article 103.5) may cancel or postpone it.
- B** Should a meet or event have actually commenced, and in the judgment of the referee cannot safely and effectively continue because of weather conditions or for some other compelling reason, the meet or event may be suspended at the referee's sole discretion until conditions warrant continuance. If circumstances do not warrant continuance, the referee may cancel the meet or event or postpone it to a future date or time, with the approval of the meet committee.
- C** A decision to cancel or postpone shall be final.
- D** Should an event have actually commenced but be terminated prior to an official finish and be postponed to another time or date, it shall then be conducted among the swimmers who were officially competing in the event at the time of termination.
- E** Incomplete events will not be awarded or scored; however, times achieved in accordance with article 103.17 up to the point of cancellation shall be considered official.
- F** Entry fees for teams or swimmers may be refunded, in whole or part, at the discretion of the meet committee, upon cancellation of a meet or particular event. The decision of the meet committee on refunding may be appealed to the officers of the LMSC (local or regional meets) or the USMS Championship Committee (national championship meets).

102.12 Swimwear for Pool Competition

102.12.1 Design

- A** The swimsuits worn for competition shall be nontransparent and conform to the current concept of the appropriate. The referee shall have authority to bar offenders from competition until they comply with this rule.
- B** Swimwear shall include only a swimsuit, cap(s) and goggles (a nose clip and ear plugs are allowed). Armbands or legbands shall not be regarded as parts of the swimsuit and are not allowed.
- C** In swimming competitions, the competitor must wear only one swimsuit in one or two pieces. All swimsuits shall be made from textile materials. For men, the swimsuit shall not extend above the navel nor below the knees, and for women, shall not cover the neck, extend past the shoulder nor extend below the knees.

- (1) Exemptions to the foregoing restrictions may be granted to a swimmer, on a case-by-case basis, by the chair of the Rules Committee or designee. Exemptions will be granted only for conflicts due to the swimmer's verified religious beliefs or verified medical conditions.
- (2) Procedures for applying for an exemption will be established by the Rules Committee and posted on the USMS website.
- (3) No exemption to these restrictions will be granted for a swimsuit that will give the swimmer a competitive advantage.
- (4) The decision of the Rules Committee chair may be appealed only to the entire Rules Committee, whose decision shall be final and binding on all parties.

D Only swimsuits complying with FINA swimsuit specifications may be worn in any USMS sanctioned or recognized competition.

E No swimmer is permitted to wear or use any device or substance to enhance speed, pace, buoyancy or endurance during a race (such as webbed gloves, fins, snorkels, neoprene caps, etc.). Goggles may be worn, and rubdown oil applied if not considered excessive by the referee. Medical identification items may be worn. Any kind of tape on the body is not permitted unless approved by the referee.

102.12.2 Advertising—Products involving tobacco, alcohol or pharmaceuticals containing substances banned under IOC or FINA rules may not be advertised, but the advertiser's name only may be used. Offenders may be barred from competition until they comply with this rule.

102.13 Disqualifications

102.13.1 A disqualification can be made only by the official within whose jurisdiction the infraction has been committed. The referee, stroke, turn or relay takeoff judge, upon observing an infraction, shall immediately raise one hand overhead. If the official does not do so, there shall be no disqualification. When there is dual confirmation of relay takeoffs (article 103.10.5B) or dual confirmation of false starts (article 103.8.6A–B), a disqualification is not signaled by raising one hand overhead.

102.13.2 The referee or designated official making a disqualification shall make every reasonable effort to seek out the swimmer or the swimmer's coach and inform one or both as to the reason for the disqualification. Failure to notify does not negate the disqualification.

102.13.3 Any swimmer who acts in an unsportsmanlike or unsafe manner within the swimming venue may be considered for appropriate action or penalty by the referee.

102.13.4 A swimmer must start and finish the race in the assigned lane.

102.13.5 Standing on the bottom during a freestyle race shall not disqualify a swimmer, but the swimmer must not leave the pool, walk or spring from the bottom. Standing on the bottom during any other stroke shall result in disqualification.

- 102.13.6** Obstructing another swimmer by swimming across the lane or otherwise interfering with the swimmer shall disqualify the offender, subject to the discretion of the referee.
- 102.13.7** Dipping goggles in the water or splashing water on the competitor's face or body prior to the event shall not be considered as entering the pool unless the referee finds that such action is interfering with the competition.
- 102.13.8** Should a foul endanger the chance of success of a swimmer(s), the referee may allow the affected competitor(s) to reswim the event. In the case of collusion to foul another swimmer, at the referee's discretion, the swimmer for whose aid the foul was committed may be disqualified, as well as the swimmer committing the foul.
- 102.13.9** No swimmers are permitted to wear or use any device or substance to enhance speed, pace, buoyancy or endurance during a race (such as webbed gloves, fins, snorkels, neoprene caps, etc.). Goggles may be worn, and rubdown oil applied if not considered excessive by the referee. Medical identification items may be worn. Any kind of tape on the body is not permitted unless approved by the referee.
- 102.13.10** Grasping the lane line or side wall to assist forward motion is not permitted.
- 102.13.11** For relay disqualifications, refer to article 101.7.3.
- 102.13.12** The time, place and/or initial splits of any swimmer or relay team disqualified either during or following an event shall not be recorded in the results of that event. If awards have been given prior to the decision to disqualify, they shall be returned and given to the proper recipient(s), and if points have been scored by those disqualified, the event shall be rescored.
- 102.13.13** Time and/or place officially recorded for a swimmer shall not be nullified for violations occurring subsequent to such performance.
- 102.13.14** A swimmer who misrepresents a seed time, causing a significant delay of the meet, may be disqualified at the discretion of the referee. The disqualified swimmer shall be removed from the lane as soon as practical.
- 102.13.15** Approved underwater video replay may be used to review stroke or turn infractions called on deck. The official(s) reviewing the video may only confirm the call made on deck, overrule the call or advise the referee that the review proved inconclusive.

102.14 Protests

- 102.14.1** The official results of any protested race shall not be announced, the affected awards shall not be given and points shall not be allocated until the protest is resolved or is withdrawn in writing.
- 102.14.2** Protests affecting the eligibility of any swimmer to compete or to represent an organization in any race shall be made in writing to the meet director or referee before the race is held, and if the meet committee deems it advisable, the swimmer may compete under protest and it shall be so announced before the race. The meet committee shall immediately refer such protest to the LMSC officers (local meets) or championship meet protest committee (national championship meets; see article 104.5.9B) having jurisdiction for adjudication at the earliest possible time.

- 102.14.3** Protests against judgment decisions of starters and stroke, turn and relay takeoff judges can only be considered by the referee, and the referee's decision shall be final.
- 102.14.4** Protests concerning interpretation of the rules in *Part 1: Swimming Rules* and the *Glossary* shall be submitted in writing (on paper or in an electronic file) within 10 days to the USMS Rules Committee chair, who shall issue a decision in writing (on paper or in an electronic file) within five days of the date of receipt of such protest, unless the USMS Rules Committee chair notifies the parties that the issue must come before the entire committee. The ruling shall be final and binding on all parties.
- 102.14.5** Any other protest arising from the competition itself shall be made within 30 minutes after the race in which the alleged infraction took place. If the protest is not resolved immediately, the protester shall at that time file a written protest with the chair of the LMSC or the chair's representative having jurisdiction over the event. If the LMSC does not satisfactorily resolve the protest within 10 days, the protester may appeal in writing to the USMS Rules Committee chair within the next five days for final adjudication, whose decision shall then be binding on all parties.

102.15 Tobacco Products

Smoking and use of other tobacco products is prohibited on the pool deck, in locker rooms, in spectator seating and standing areas, and in all areas used by swimmers during the meet and during the warm-up periods in connection with the meet.

ARTICLE 103: Meet Procedures

103.1 Meet Director

The meet director shall be the chair of the meet committee and is responsible for the overall operation of the meet.

103.2 Required Personnel

The minimum personnel at USMS sanctioned Masters swimming meets or recognized events shall include the following for each course:

103.2.1 Officials

- A One referee**—The referee may also serve as a stroke and turn judge, but shall not serve as starter.
- B One starter**—The starter may also serve as a stroke and turn judge.
- C Two stroke and turn judges**—At least two people shall perform these duties during competition.

103.2.2 Timers—Two timers per lane if automatic timing is not being used. One timer per lane if automatic timing is used.

103.3 Qualification of Officials

103.3.1 Referees shall be certified in this capacity by USA Swimming, USMS, YMCA or any other USMS-approved certifying body (Appendix B). Starters or stroke and turn judges certified by one of these bodies may serve as referees if they receive training on specific duties of the referee.

103.3.2 Starters and stroke and turn judges shall be certified in said capacities by USA Swimming, USMS, YMCA or any other USMS-approved certifying body (Appendix B). However, uncertified officials may perform the duties of such positions if they receive training in the specified duties of their positions and are under the direct supervision of a certified official.

103.4 Reporting of Officials and Meet Personnel

All officials and meet personnel accepting an invitation to work at a swim meet should arrive promptly and report immediately to the meet director or meet referee.

103.5 Meet Committee

The meet committee is appointed by the meet host. The committee consists of a minimum of the meet director, referee or starter, and a participating athlete, as appointed by the meet director prior to the start of the meet. Responsibilities include, but are not limited to: ordering awards; obtaining a sanction; preparing the facility; arranging for personnel, equipment and supplies necessary for meet operation; processing entries; printing programs; arranging appropriate publicity and media coverage; preparing and distributing a summary of results within 14 days after the meet; and filing an LMSC report.

103.6 Referee

103.6.1 The referee shall:

- A** Have full authority over all officials,
- B** Shall assign and instruct them,
- C** Shall enforce all applicable rules and shall decide all questions relating to the actual conduct of the meet, the final settlement of which is not otherwise assigned by said rules, and
- D** Can overrule any meet official on a point of rule interpretation or on a judgment decision pertaining to an action that the referee has personally observed.

103.6.2 The referee has the authority to disqualify a swimmer(s) for any violation of the rules that the referee personally observes and, except for false starts, shall at the same time raise one hand overhead. If the referee does not make such a signal, there shall be no disqualification.

103.6.3 The referee shall signal the starter before each race that all officials are in position, that the course is clear and that the competition can begin.

103.6.4 The referee shall assign marshals with specific instructions.

103.6.5 The referee shall give a decision on any point where the opinions of the judges differ and shall have authority to intercede in a competition at any stage to ensure that the racing conditions are observed.

103.6.6 When the primary timing system is stopwatches, the referee may assign two additional timers per lane dedicated to recording initial distances for USMS Top 10 purposes or may assign three additional timers per lane to record initial distances for world records. The swimmer may request such additional timers for this purpose.

103.6.7 The referee shall make an immediate investigation when an apparent malfunction of the automatic or semiautomatic timing equipment has occurred

to determine whether the swimmer finished in accordance with the rules and/or if there was an actual equipment malfunction.

- 103.6.8** The referee may prohibit the use of any device, such as a laser pointing device or artificial noisemaker, that disrupts or interferes with the meet.
- 103.6.9** The referee may modify any rule for a swimmer who has a disability. Any such modification shall be in accordance with article 108, shall affect only the current meet and shall not set precedent. It shall be the responsibility of the swimmer or a representative to notify the referee of the disability prior to competition.
- 103.6.10** The referee shall establish the necessary administrative and officiating procedures to conform to article 102.10.3 and .4 when conducting events from alternate ends of a 50-meter course or conducting freestyle events longer than 200 meters two-to-a-lane.
- 103.6.11** Refer to article 102.14 concerning protests.

103.7 Administrative Referee

- 103.7.1** The administrative referee shall be responsible to the referee for the supervision of the following:
- A** The entry and registration process,
 - B** Clerk of course,
 - C** Timing equipment operator, and
 - D** Other administrative personnel.
- 103.7.2** The administrative referee shall be responsible to the referee for:
- A** The accurate processing of entries and scratches,
 - B** Accurate seeding of heats,
 - C** Determination and recording of official time:
 - (1)** Receiving and reviewing the automatic and/or semiautomatic timing results from the timing equipment operator and comparing primary timing results with the backup timing results to determine their validity,
 - (2)** Receiving the times recorded by the head lane timers from the chief timer and using that data to the extent needed to determine the official time for each swimmer,
 - (3)** Unless otherwise directed, notifying the referee whenever a time obtained by the primary timing system cannot be used as the official time, and
 - (4)** Recording disqualifications approved by the referee.
 - D** Determination of the official results, and
 - E** Publication and posting of results of each event by gender and age group and scores (scores optional).
- 103.7.3** The administrative referee shall perform other duties assigned by the referee.

103.8 Starter

103.8.1 Equipment—The preferred starting device shall be a loudspeaker start system conforming to article 107.14, with or without an underwater recall device, and an electronic strobe signal visible to all manual timers and for forward and backstroke starts.

103.8.2 Preparation—The starter shall stand on the side of the pool within approximately 5 meters of the starting end of the pool and, upon signal from the referee, shall assume control of the swimmers until a fair start has been achieved.

103.8.3 Optional Instructions—The starter may:

- A** Announce the event (recommended),
- B** Advise the heat that a swimmer will be attempting to achieve a time at an initial distance,
- C** For backstroke event starts, give the command, “Place your feet.”

103.8.4 Starts (see article 101.1)

103.8.5 Start Commands

- A** At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear, followed by a long whistle indicating that they should take their positions with at least one foot at the front of the starting platform or the deck and remain there. Swimmers starting in the water must take their positions on the wall with at least one hand in contact with the wall or starting platform and one foot in contact with the wall. In backstroke and medley relay events, at the referee’s first long whistle, the swimmers shall immediately enter the water and at the second long whistle shall take their positions on the wall without undue delay (article 101.1.2).
- B** When the swimmers and officials are ready, the referee shall signal with an outstretched arm to the starter that the swimmers are under the starter’s control.
- C** On the starter’s command “Take your mark,” each swimmer shall immediately assume a starting position that maintains at least one foot at the front of the starting platform or at the front of the pool deck. A swimmer starting in the water must have at least one foot on the wall and at least one hand in contact with the wall or starting platform. When all swimmers are stationary, the starter shall give the starting signal.
- D** When a swimmer does not respond promptly to the command “Take your mark,” the starter shall immediately release all swimmers, upon which the swimmers may stand up, step off the blocks or leave the wall.

103.8.6 False Starts

- A** Any swimmer starting before the starting signal is given shall be disqualified if the referee independently observes and confirms the starter’s observation that a violation occurred. Swimmers remaining on the starting blocks shall be relieved from their starting positions with the “Stand up” command and may step off the blocks.
- B** If the starting signal has been given before the disqualification is declared, the race shall continue without recall. If the referee indepen-

dently observes and confirms the starter's observation that a violation occurred, the swimmer(s) who have false started shall be disqualified upon completion of the race in accordance with article 102.13.2.

- C** If the recall signal is activated inadvertently, no swimmer shall be charged with a false start and the starter shall restart the race upon signal by the referee.
- D** A swimmer who would otherwise be charged with a false start may be relieved of the charge if the false start was caused by the swimmer's reaction to the "Stand up" command.
- E** A swimmer shall not be disqualified for an illegal starting position at the start if the race is permitted to proceed. Enforcement of the correct starting position is the responsibility of the starter.

103.8.7 Warning Signal—With the exception of relays, in events 500 yards or longer the starter or a designee shall sound a warning signal over the water at the finish end of the lane of the leading swimmer when that swimmer has two lengths plus 5 yards or 5 meters to swim. As an alternative, a bell warning signal may be given over each lane by a lane judge or timer in that lane.

103.8.8 Deliberate Delay or Misconduct

- A** The starter shall report a swimmer to the referee for delaying the start, for willfully disobeying an order or for any other misconduct taking place at the start, but only the referee may disqualify a swimmer for such delay, willful disobedience or misconduct.
- B** The referee shall disqualify a swimmer who fails to appear at the starting platform ready to swim in time for the initial start of the heat.

103.9 Recall Rope Operator

The duty of the recall rope operator shall be to immediately, upon sounding of the false start signal, activate the quick-release mechanism of the recall rope so that the recall rope drops across the course.

103.10 Judges

Shall have jurisdiction over the swimmers immediately after the race has begun.

103.10.1 Chief—An overall "chief judge" may assign and supervise the activities of all stroke, turn and takeoff judges and may report their decisions. If desired, any judging category may have a designated "chief." Any "chief" may act as liaison for the judges and may serve simultaneously in one of the judging positions, and shall assign those judges within the category.

103.10.2 Stroke Judges—Shall operate on both sides of the pool, preferably walking slightly behind the swimmers during all strokes except freestyle, during which events they may leave poolside, at the referee's discretion; shall ensure that the rules relating to the style of swimming designated for the event are being observed; and shall report any violations to the referee on signed slips detailing the event, the heat number, the lane number, and the infraction observed.

103.10.3 Turn Judges—Shall operate on both ends of the pool; shall ensure that after the start and when turning or finishing, the swimmer complies with the rules applicable to the stroke used; and shall report any violations to the referee

on signed slips detailing the event, the heat number, the lane number and the infraction observed.

103.10.4 Jurisdiction of Stroke and Turn Judges—Before the competition begins, the referee shall determine the respective areas of stroke and turn responsibility and jurisdiction, which may include joint, concurrent and coordinated responsibility and jurisdiction. The referee shall ensure that all swimmers shall have fair, equitable and uniform conditions of judging.

103.10.5 Relay Takeoff Judges

- A** Relay takeoff judges shall be assigned by the referee and shall stand so that they can clearly see both the feet of the departing swimmer(s) as they leave the starting platform and the touch of the incoming swimmer(s), and shall judge whether the swimmer is in contact with the platform when the incoming swimmer touches the end of the pool.
- B** If dual relay takeoff judging is used, the lane and side takeoff judges shall independently report infractions in writing without the use of the infraction hand signal. A relay shall be disqualified only if the lane takeoff judge has reported an infraction and the assigned side takeoff judge has confirmed the same infraction.
- C** When automatic relay exchange judging equipment is in use, the system printout will provide the information to judge relay exchanges. Integrated backup timing cameras may be reviewed by the referee to confirm the automatic system's results. When backup timing cameras are not available, the referee will determine the confirmation process.

103.11 Timers

103.11.1 Chief Timer—The chief timer shall:

- A** Assure the assignment of lane timers to lanes and the designation of one timer on each lane to be the head lane timer.
- B** On the starting signal, start a watch(es) on every race. The time of this watch shall be used if a lane timer's watch fails.
- C** Be responsible for delivering all stopwatch times, including those of disqualified swimmers, to the timing judge.

103.11.2 Head Lane Timer—The head lane timer shall:

- A** Determine whether the swimmer or relay team is present and in the correct lane, heat and event, and that relay swimmers are swimming in the order listed. When overhead video cameras replace timers, this responsibility shall be assigned to other meet personnel.
- B** Determine and record stopwatch times or the absence of a swimmer or the relay team seeded in that lane.
- C** Assign one timer to take relay splits and initial distance times if requested by the chief timer.
- D** Determine and report if the swimmer has delayed in touching or has missed the touchpad at the finish, or there is reason to believe the semi-automatic or manual times may be inaccurate. When overhead video cameras replace timers, this responsibility shall be assigned to other meet personnel.

103.11.3 Lane Timers—Officials assigned as lane timers may simultaneously operate two dissimilar devices (one watch and one button) but not two similar devices (two watches or two buttons). It is not within a lane timer’s jurisdiction to judge if the swimmer’s touch conforms to the applicable finish rules or if a relay takeoff infraction has occurred unless assigned concurrent responsibility as a lane timer and turn judge or relay takeoff judge. Each timer shall:

- A** Be in position at the start to have an unobstructed view and shall start the watch at the instant of observing the visual starting signal. If the visual starting signal is not observed, the watch shall be started upon hearing the sound of the starting signal.
- B** Stand directly over the assigned lane at the finish to observe a touch above, at or below the surface of the water and stop the watch and/or push the semiautomatic system button when any part of the swimmer’s body touches the wall. When overhead video cameras replace timers, this responsibility shall be assigned to other meet personnel.
- C** Report the watch time to the head lane timer or the designated recorder; report if a late or missed pad touch is observed; and, if requested, present the watch for inspection. Lane timers shall not clear their watches until the command “Clear watches” is given or the referee signals that the next heat is ready to start.

103.11.4 Timing Equipment Operator—The timing equipment operator shall be responsible for the automatic or semiautomatic timing equipment, including the electronic starting system and scoreboard (if used). The timing equipment operator shall also advise the referee of any system problems that might affect the accuracy of times or whenever the touchpad is observed to have failed to record the finish when the swimmer completed the race. The timing equipment should be placed so that the operator is able to observe the finish of each race.

103.12 Clerk of Course

The clerk of course shall be provided with a list of the names of all swimmers in all events, including relay swimmers in the order in which they will swim.

103.13 Marshals

Shall wear identifying attire and enforce warm-up procedures and maintain order in the swimming venue. The marshal shall have full authority to warn or order to cease and desist and, with the concurrence of the referee, to remove or have removed from the swimming venue anyone behaving in an unsafe manner or using profane or abusive language, or those whose actions are disrupting the orderly conduct of the meet.

103.14 Announcer

The announcer shall make any announcements requested by the referee, the clerk of course or the meet management. Announcements may include:

- event,
- number of heats,
- lane, name and club affiliation of competitors,
- results.

103.15 Recorder Of Records

Shall obtain from the administrative referee all times made in each event, shall have proper application forms and shall duly process all record claims as set forth in article 105.

103.16 Press Steward

The press steward shall obtain from the clerk of course and the recorders the names of all swimmers in each event and the results of each finish with times or record performances, and shall keep the press and TV personnel thoroughly informed on all details of the competition during the meet.

103.17 Timing Equipment

103.17.1 Timing System Definitions—Every race in a swimming competition shall be timed with one or more of the following systems, listed in their preferred order of use.

- A Automatic**—A timing system whose start is activated by a starting device and stopped at the finish by the swimmer touching the touchpad.
- B Semiautomatic**—A timing system whose start is activated by a starting device and stopped by buttons pushed by timers at the finish touch of the swimmer.
- C Manual**—A timing system operated by individual lane timers, each of whom operates a stopwatch that is both started and stopped by the timer as described in article 103.11.3. Only digital-readout-type, hand-held, battery-powered watches designed for timing purposes shall be used.

103.17.2 Timing System Designation—Timing systems shall be designated in the order in which results are used as follows:

- A Primary system**—The primary system shall determine the official time of each swimmer unless a comparison of the primary with secondary and/or tertiary system times indicates a malfunction of the primary system. A primary system shall always be in place and shall consist of one of the following, listed in their preferred order of use:
 - (1) Automatic timing.
 - (2) Semiautomatic, with three or two buttons per lane, each operated by a separate timer.
 - (3) Manual, with three or two watches per lane, each operated by a separate timer.
- B Secondary system**—If manually operated watches are not the primary system, a secondary system of precedence equal to or lower than the primary system shall be used. The secondary system may be one of the following, listed in their preferred order of use:
 - (1) Stationary overhead video cameras recording 100 images per second. The cameras must be fully integrated with the primary timing system.
 - (2) Semiautomatic with three, two or one button(s), each operated by a separate timer.
 - (3) Manual with three, two or one watch(es) per lane, each operated by a separate timer.

- C Tertiary system**—Unless the primary system consists of stopwatches or the secondary system is a fully integrated video system or includes at least one stopwatch per lane, a tertiary system of at least one stopwatch per lane shall be provided.

103.17.3 Determination of Official Time

- A Automatic timing**—When recorded by properly operating automatic timing equipment, the pad time shall be the official time.
- B Semiautomatic or manual timing**—Whenever semiautomatic or manual timing is used, only valid times shall be used in calculating the official time. The times shall be determined as follows:
- (1) If two of the three button times or two of the three watch times agree, the time of the two buttons or two watches in agreement shall be the time for that timing system.
 - (2) If three valid buttons or three watches disagree, the time of the intermediate button or intermediate watch shall be the time for that timing system.
 - (3) If only two valid button or two valid watch times are available, the average of the two button times or the average of the two watch times shall be the time for that timing system. The digits representing thousandths of a second shall be dropped with no rounding.
 - (4) If only one button or one watch time is available, the time of that button or watch shall be the time for that timing system provided it is supported by other information.
- C Primary timing system malfunction**—A primary timing system malfunction may have occurred if:
- (1) The difference between the time obtained by the primary system and the backup system(s) is approximately .30 second or greater; or
 - (2) It is reported the swimmer missed the touchpad or had a soft touch.
- D Fully integrated, overhead video system backup**—If the backup system is a fully integrated, stationary overhead video system, the video camera time shall be the official time without adjustment in the event of a primary timing system malfunction.
- E Adjustment for the timing system difference**—When the referee determines that there is a malfunction of the primary timing system, the backup time(s) shall be adjusted for the timing system difference prior to integrating them with accurate primary times in establishing the official times and determining the results. The adjustment for timing system difference is determined by calculating the consistent average difference between the valid primary and backup systems used at that meet.
- F Adjustment for malfunction on a lane**—When a malfunction is confirmed on a lane, the backup times for that lane shall be adjusted by calculating the average difference between valid primary and valid backup times of the other lanes in that heat or, if necessary, using times from heats immediately preceding and/or following that heat. This

shall be done by adding, or subtracting when appropriate, that average difference to the valid backup time of the lane where the malfunction occurred.

G Adjustment for malfunction equally affecting an entire heat—When, because of an early or late start, or other equipment or operator malfunction, the time of the automatic or semiautomatic primary timing system is equally incorrect for all lanes in a heat, but the order of finish and thus the absolute difference of time between the swimmers is accurate, the times of the primary system shall be adjusted by calculating the average difference between the primary times and the valid backup times and adding, or subtracting when appropriate, that difference to the primary times of every lane in that heat.

Table 1—Example of Lane Malfunction

Systems used:

Primary—Automatic

Secondary—Semiautomatic, three buttons (intermediate button time shown in bold)

Tertiary—Manual, one watch

Lane	Primary Pad Time	Button A	Button B	Button C	Watch Time	Pad Minus Middle Button	Official Time
1	52.21	52.07	52.12	52.14	52.04	.09	52.21
2	52.18	52.01	51.91	52.06	51.95	.17	52.18
3	51.05	51.01	50.97	51.00	50.95	.05	51.05
4	51.04	50.78	50.88	50.93	50.84	.16	51.04
5	51.96	51.30	51.35	51.38	51.27	*.61	**51.46
6	51.65	51.57	51.56	51.59	51.55	.08	51.65
7	52.27	52.13	52.18	52.13	52.10	.14	52.27
8	51.87	51.58	51.75	51.89	51.65	.12	51.87

*More than .30 second difference, soft touch confirmed.

**Adjustment calculation:

- Add the differences between pad and intermediate button time, excluding the malfunctioning lane (total = .81).
- Divide total by the number of valid lanes to determine the average (.81 ÷ 7 = .11571). The digits after hundredths are dropped (leaving a timing system difference of .11 for the above example).
- Add the timing system difference to the valid backup time for the malfunctioning lane (51.35 + .11 = 51.46, the official time for lane five).

Table 2—Example of Heat Malfunction

Systems used:

Primary—Automatic (late manual start confirmed)

Secondary—Semiautomatic, three buttons (button times not valid)

Tertiary—Manual, one watch (valid)

Lane	Primary Pad Time	Watch Time	Watch Time Less Pad Time	Heat Adjustment	Official Time
1	52.12	55.14	3.02	+3.06	55.18
2	51.56	54.61	3.05	+3.06	54.62
3	51.09	54.18	3.09	+3.06	54.15
4	50.12	53.18	3.06	+3.06	53.18
5	49.78	52.90	3.12	+3.06	52.84
6	49.06	52.06	3.00	+3.06	52.12
7	52.21	55.30	3.09	+3.06	55.27
8	52.92	55.99	3.07	+3.06	55.98

Adjustment calculation:

- Add the differences between the pad and watch times (total = 24.50).
- Divide the total by the number of lanes to determine an average ($24.50 \div 8 = 3.0625$).
- Drop the digits after the hundredths place (leaving a heat adjustment of 3.06).
- Add the adjustment factor for the late start of the primary system to each pad time to obtain the official time for that lane (e.g., lane one, $52.12 + 3.06 = 55.18$).

103.18 Official Time

103.18.1 An official time shall be achieved in a USMS-sanctioned competition or a USMS-recognized event in accordance with all applicable rules (articles 202.1.1F[1] and 202.2.1E). It may be achieved in:

- A** A timed heat.
- B** An initial distance within a longer event or relay, provided the swimmer:
- (1) Notifies the meet referee in writing of the intent to record an initial split time prior to the conclusion of the meet,
 - (2) Makes the written request prior to the swim for relay leadoff splits and for initial backstroke distances in individual backstroke events,
 - (3) Completes the initial distance with a legal finish and
 - (4) Completes the event without being disqualified.
- C** A relay leadoff leg, provided the swimmers complete the event without being disqualified.
- D** When automatic timing is used, the swimmer's relay leadoff split shall not count if the second swimmer starts in the water.
- E** When the primary timing system is stopwatches, the referee may assign two additional timers per lane dedicated to recording initial distances for USMS Top 10 purposes or may assign three additional timers per lane to record initial distances for world records. The swimmer may request such additional timers for this purpose.

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- 103.18.2** An official time for an event or stroke can be achieved only in that event or stroke, or in an initial distance of such event or stroke (e.g., backstroke time must be achieved in a backstroke event or a butterfly time can be achieved in an individual medley event). Regardless of the stroke(s) used, times achieved in freestyle events can be recorded only as freestyle times.
- 103.18.3 Timing Resolution (Timing Accuracy)**—All timing systems, including stopwatches, shall have a resolution of .01 second. Times from all systems shall be recorded to hundredths of a second. The digits representing thousandths shall be dropped with no rounding.
- 103.18.4** The official time to establish records and Top 10 times can be achieved only in accordance with the following timing methods:

Timing method	Official time level
Automatic timing	<ul style="list-style-type: none">• World records, USMS national records and USMS Top 10 times• Initial splits for all purposes• Relay leadoff times for all purposes
Semiautomatic with three buttons or three watches	<ul style="list-style-type: none">• World records, USMS national records and USMS Top 10 times• Initial splits and relay leadoff times for world records and USMS Top 10 times
Semiautomatic with two buttons or two watches	<ul style="list-style-type: none">• USMS Top 10 times• Initial splits and relay leadoff times for USMS Top 10 times

- 103.18.5** Only those results from events conducted in pools officially certified for length in conformance with article 107.2.1 shall be acceptable for record applications or Top 10 submissions.
- 103.18.6** Except when the primary system consists of watches, backup timing shall be provided for all competitors. No swimmer shall be required to reswim a race due to equipment failure that results in unrecorded or inaccurate time or place. It is the meet director's responsibility to provide the proper timing systems so that swimmers can expect to achieve official times that will satisfy the requirements of article 103.18.4.
- 103.18.7** A backup time adjusted for system timing errors in accordance with the methods described in articles 103.17.3C–G may be used as an official time equal to the level of the timing system to which it has been adjusted.
- 103.18.8** Secondary and tertiary times shall be recorded but shall not be used except to corroborate or correct missing or inaccurate primary/secondary results.

103.19 Scoring

The following is recommended for all Masters swimming competition.

103.19.1 Dual Meets

Individual events: 5-3-1-0

Relay events: 7-0

103.19.2 Triangular Meets

Individual events: 6-4-3-2-1-0

Relay events: 8-4-0

103.19.3 Other Meets**A Individual events:**

four-lane pools: 5-3-2-1

five-lane pools: 6-4-3-2-1

six-lane pools: 7-5-4-3-2-1

seven-lane pools: 8-6-5-4-3-2-1

eight-lane pools: 9-7-6-5-4-3-2-1

nine-lane pools: 10-8-7-6-5-4-3-2-1

ten-lane pools: 11-9-8-7-6-5-4-3-2-1

Individual point values shall be doubled for relays.

B LMSC Options—For non-standard meets the LMSC and/or meet host may establish the scoring point values to suit the format of the meet. These point values shall be stated in the meet announcement.

103.19.4 Ties—Where two or more swimmers tie for any place in any event, the points credited to such place or places, if any, next in order shall be equally divided among the swimmers; i.e., if two tie for first place, the points to be credited to first and second place shall be added and divided by two. Each tying swimmer will receive half of the total points for first and second places. If three tie for first place, the points credited to first, second and third places shall be added and divided by three, and so on for four or more tying for first place. The same is true for those tying for second place, third place and whatever places there may be.

103.19.5 Disqualifications—When a relay team or individual swimmer is disqualified, the subsequent places will move up accordingly and points will be awarded to conform to the new places.

103.20 Awards

When two or more swimmers tie for any place, duplicate awards shall be given to each swimmer. In such cases, no awards shall be given for the place or places immediately following the tied positions. If two tie for first place, no award for second place; if three tie for first place, no awards for second and third, and so on.

ARTICLE 104: National Championship Meets

(Recommended for all other championship meets when possible)

104.1 Meet Categories

USMS national championship meets shall be awarded in the following categories and held during the following dates:

104.1.1 Short Course (25) Yards or (25) Meters—Between April 15 and May 31.

104.1.2 Long Course (50) Meters—Between August 1 and September 15.

104.2 Meet Name

The official name shall include the following words: “U.S. Masters Swimming” and “National Championship.” The name shall also include the year of the event and may include a title sponsor and any other wording approved by the Championship Committee.

104.3 Awarding of National Championship Meets

104.3.1 Solicitation of Bids—The USMS Championship Committee shall be responsible for the solicitation of bids with emphasis on soliciting bids from all areas of the country.

104.3.2 Eligible Bidders—Any club, LMSC or organization may bid. The facility to be used must be in accordance with the facility standards (article 107). The Championship Committee shall strongly consider LMSC endorsement as a selection criteria.

104.3.3 Bid Information—The Championship Committee shall provide a bidder with the appropriate bid documents, financial statements, meet contract and previous championships’ meet reports and all other information pertaining to the policies and procedures of running a national championship meet.

104.3.4 Bid Deadline—All bids for a national championship meet shall be submitted to the chair of the Championship Committee no later than July 1 (or the next business day if July 1 falls on a Sunday or holiday). If no timely certifiable bid is received, the Championship Committee shall continue to solicit bids.

104.3.5 Certification of Bids—Prior to the annual meeting of the House of Delegates, the Championship Committee shall certify each bid for compliance with its policies and procedures, including facilities standards (article 107).

104.3.6 Awarding of Bids—National championship meets shall be awarded by the Championship Committee. The committee may award championships one to three years in advance of the national championship meet.

104.4 USMS Assistance and Agreements

104.4.1 Contract—Successful bidders of national championship meets shall sign a written contract with USMS specifying the responsibilities of the meet host and of USMS.

104.4.2 Payments—Prior to the meet, USMS shall withhold from payments to the meet host an amount per entrant to be determined by the Championship Committee and stipulated in the contract. Upon compliance with the conditions set forth in the meet contract, an amount per entrant shall be returned to the meet host as stipulated in the contract. Noncompliance with said conditions, as determined by the meet evaluation committee, shall result in forfeiture of part or all of the final payment.

104.4.3 Assistance to Meet Host—The Championship Committee shall provide such assistance and guidance necessary to provide uniformity in national championship meet production. Out-of-pocket expenses for services shall be reimbursed by USMS Inc.

104.4.4 Meet Evaluation Committee—A five-member meet evaluation committee shall be composed of at least three Championship Committee members and

two additional USMS members who are knowledgeable in championship procedures. No member of the protest committee, host club or host LMSC shall serve on the meet evaluation committee. A written evaluation shall be submitted to the meet host.

104.4.5 Meet Report—The meet director of each national championship meet shall submit a written report to the chair of the Championship Committee within 60 days of the end of competition. This report shall include a complete financial report, copies of meet information, entry forms, final results, lessons learned, suggestions and any other information that may be helpful to future meet directors.

104.5 Conduct of National Championship Meets

Conduct of national championship meets shall be governed by the swimming rules of USMS Inc.

104.5.1 Information for Participants

A General meeting—A general meeting of the organizing personnel, interested officials, coaches and swimmers shall be held the evening prior to the first day of the meet.

- (1) The meeting date, time and location shall be included in the official meet information.
- (2) The chair of this meeting shall be the president of USMS or an individual designated by the president.
- (3) Business pertinent to the operation of national championship meets and the conduct of the events shall be considered and finalized at this meeting. Changes may be effected in the conduct of the meet to fit the situation.
- (4) Since changes can be made in the operation of a national championship meet, it is the obligation of every swimmer (or a representative) to arrive with enough time to complete registration and become apprised of any changes that have been made.
- (5) It shall be the meet director's responsibility to post notices of changes in conspicuous places at the pool, registration area and headquarters area prior to the start of the first day's competition.

B Warm-up schedule—A list of times when the competition pool and other facilities will be available for warm-up shall be provided in the official meet information.

C Heat sheets—For preseeded events, heat sheets listing the name, age, club, seed time, and heat and lane assignments shall be made available to all swimmers at the time of registration. For deck-seeded events, entry lists with the name, age, club and time by time or age group, except relays, shall be made available to all swimmers at the time of registration. If instead the host chooses to make heat sheets available for deck-seeded events, then the heat sheets for each day, except relays, shall be made available in the morning before those events are swum.

104.5.2 Program—A four-day program for national championship meets will be used. With the approval of the Championship Committee, a five-day program may be used.

A Meet schedules (2013–2015)

Schedule 1	Schedule 2	Schedule 3
<i>2013 LC*** 2015 SC</i>	<i>2014 SC 2015 LC</i>	<i>2013 SC 2014 LC***</i>
Day 1**	Day 1**	Day 1**
800/1000 free 1500/1650 free	800/1000 free 1500/1650 free	800/1000 free 1500/1650 free
Day 2	Day 2	Day 2
400 IM 100 fly 200 free 50 breast 100 back 200 free relay (mixed)	400 IM 100 fly 50 free 200 back 100 breast 200 free relay	400 IM 50 back 200 free 50 breast 200 fly 200 free relay (mixed)
Day 3	Day 3	Day 3
400/500 free**** 100 IM* 200 back 100 breast 50 free 200 fly 200 medley relay (mixed) 200 free relay	400/500 free**** 100 free 200 breast 100 IM* 50 back 200 fly 200 free relay (mixed) 200 medley relay	400/500 free**** 100 free 50 fly 100 breast 200 back 100 IM* 200 free relay 200 medley relay (mixed)
Day 4	Day 4	Day 4
400/500 free**** 200 medley relay 50 fly 200 breast 50 back 100 free 200 IM	400/500 free**** 200 medley relay (mixed) 50 breast 100 back 200 free 50 fly 200 IM	400/500 free**** 200 medley relay 100 back 200 breast 50 free 200 IM 100 fly

* The 100 IM is swum in short course nationals only.

** With Championship Committee approval, a swimmer may compete in both of the two longest freestyle events at the meet. The Championship Committee shall decide how national qualifying times will affect the entry.

*** 2013 and 2014 Long Course Championship meets will follow a 5-day format rather than the above schedules.

**** Men swim these events on Day 3 and women on Day 4 in odd-numbered years; women swim on Day 3 and men on Day 4 in even-numbered years.

B Rotation of meet schedules—The particular schedule shall be rotated in order (1, 2 and 3) among the three basic schedules shown in article 104.5.2A without regard to course.

- (1) In odd-numbered years, men's events shall be odd-numbered. In even-numbered years, men's events shall be even-numbered. On the distance day only, men's and women's heats may be alternated regardless of whether the year is odd-numbered or even-numbered.
- (2) In each schedule, at the option of the meet director and with the approval of the Championship Committee, the 800/1000 freestyle and the 1500/1650 freestyle may be swum as either the first day program or the last day program.
- (3) The three basic schedules shall be chosen every four years, starting in 1990, by a vote of the House of Delegates, from at least four alternatives presented by the Championship Committee. The selected schedules shall apply to the period starting two years after approval by the House of Delegates.

C Rotation of the 800/1500 and 1000/1650 freestyles—The order of the two distance events may be changed by agreement of the meet director and the Championship Committee.

D Alternative meet schedules—Alternative meet schedules may be approved as follows:

- (1) A meet bidder may, with the approval of the Championship Committee, bid for a national championship meet with a different schedule from those defined in article 104.5.2A.
- (2) The Championship Committee has the authority to approve other changes in the meet schedule, as necessary, prior to the publication of the meet entry form in order to improve the efficiency of a particular national championship meet.

104.5.3 Event Limit

A Individual events—Competitors may enter and swim in a maximum of six individual events (or five individual events, if deemed necessary by the Championship Committee), with a maximum of three individual events per day.

B Relays—Each competitor shall be allowed to swim in only one freestyle relay, one medley relay, one mixed freestyle relay and one mixed medley relay of each distance, to a maximum number of relays for each competitor as determined by the Championship Committee.

C National qualifying times—There shall be qualifying times for national championship meets unless otherwise determined by the Championship Committee. The procedure for determining the qualification times shall be established by the Championship Committee with the approval of the House of Delegates.

- (1) **Altitude adjustment**—Times achieved at an altitude of 3,000 feet or higher may be adjusted, for national qualifying times purposes only, by subtracting the adjustment times (in seconds) from the actual time achieved. The specific adjustments for each age group and gender are found in Appendix B. The adjustments shall be determined every

four years starting in 1998. The adjustment times for men and women competitors shall be calculated by multiplying the time adjustment in the following table by the ratio of the 200-yard freestyle national record for the age group to that of the 25–29 200-yard freestyle for men and women, respectively. The values in the following table shall be those determined and used for the same purpose by USA Swimming.

Note: Records and Top 10, etc., are to be actual times swum, not adjusted for altitude.

	3,000–4,249 ft	4,250–6,499 ft	6,500+ ft
200 yards/meters	0.5	1.2	1.6
400–500 yards/meters	2.5	5.0	7.0
800–1000 yards/meters	5.0	10.0	15.0
1650 yards/1500 meters	11.0	23.0	32.5

- (2) **Event limit**—When qualifying times are in effect, competitors may enter and swim in a maximum of three individual events without meeting the established qualifying standards. The Championship Committee may limit participation in either the 800/1000 or the 1500/1650 freestyle to only those who meet the national qualifying time for that event. Competitors may enter up to three additional events (or two if the maximum event limit is five) in which they have in the past two years achieved a time equal to or better than the qualifying time for those events.

104.5.4 Entry Procedures

A Eligibility/affiliation

- (1) **USMS membership**—USMS individual membership numbers and club names and abbreviations must be submitted on all entry forms together with entry times. “Pending” (except for 18-year-olds) for membership number shall not be permitted. An 18-year-old must enter the meet by the entry deadline and must register for USMS membership prior to the first day of the meet. An 18-year-old may register for USMS membership at the championship venue on the day prior to the beginning of competition and must be 18 by that date.
- (2) **Foreign swimmers**—National championship meets shall include and welcome foreign swimmers, except that they may not qualify for USMS Top 10 and All-American awards nor set USMS national records.
- (3) **Affiliation**—A swimmer’s affiliation as stated on the entry form shall apply throughout the meet. If the club on the entry form and the club listed in the USMS membership database do not match, the swimmer shall, prior to the first day of competition, submit a new USMS membership card showing the new affiliation. The swimmer shall notify the meet host of a valid club transfer prior to the first event in which that swimmer competes. If at any time there are any questions about club affiliation, the swimmer shall be switched to

unattached status for the entire meet, regardless of actual affiliation. A swimmer may declare unattached status only prior to the first event in which that swimmer competes.

B Entry form

- (1) Approval of entry form**—Entry forms (both individual and relay) and meet information shall be prepared following the direction of the Championship Committee, and must be approved by the Championship Committee in advance of printing. No other forms may be used.
- (2) Distribution of entry form**—All meet information shall be published in the official USMS magazine and on the USMS website at no cost to the meet host. National championship meet information shall be published according to the Championship Committee policy. The individual and relay entry forms and any Championship Committee-approved additional information the host desires shall be posted on the USMS website.
- (3) Completion of entry form**—All competitors, including members of relay teams, must fill out and sign the appropriate entry forms.
- (4) Entry time**—Swimmers must submit a time for each event. “No time” will not be permitted.
- (5) Information on entry**—All information regarding seeding must be stated in the meet information.
- (6) Relay cards**—On the relay card, relay teams must list the name of the club and the full name (as it appears on the USMS membership card) and the age of each relay member.

C Entry deadline

- (1) Individual entry deadline**—The deadline for receipt of entries for national championship meets shall be not more than 35 days prior to the first day of competition.
- (2) Relay entry deadline**—A relay may be entered until the day before it is scheduled to be swum. Participants therein must have entered the meet by the individual entry deadline.
- (3) Postmark deadline**—The meet director may establish a U.S. Postal Service postmark deadline seven days prior to the individual entry deadline. If a postmark deadline is established, individual entries postmarked by a U.S. Postal Service office in the 50 states by midnight of that date shall be considered on time. Private or corporate meter postmarks will not be accepted.

D Entry fees

- (1)** The Championship Committee shall determine the individual and relay entry fees.
- (2)** A banquet or social event may be conducted for an additional fee. Participation in this event is optional.

104.5.5 Seeding**A General procedures for seeding** (also see article 102.10)

- (1) At the meet director's option and with the approval of the Championship Committee, any or all events may be deck-seeded.
- (2) Preseeded events shall be seeded with oldest age groups first, slowest heats swum first in each age group. In the event that swimmers of the same gender are simultaneously swimming in two courses, the Championship Committee may authorize some alteration of this rule to allow for smooth progress of the meet.
- (3) Events 100 yards/meters or less shall be seeded with oldest age groups first, slowest heats swum first in each age group. In the event that swimmers of the same gender are simultaneously swimming in two courses, the Championship Committee may authorize some alteration of this rule to allow for smooth progress of the meet.
- (4) Events 200 yards/meters and longer shall be seeded by one of the following methods:
 - (a) by entry time only,
 - (b) by age group, the oldest age group first, slowest heats seeded first within each age group, then by time or
 - (c) by a combination of (a) and (b).

The Championship Committee shall make all seeding decisions.

- (5) The last heat shall be composed of the swimmers with the fastest submitted times, the next to last heat composed of the next fastest swimmers, etc.

(Note exception provided in article 104.5.5A[9].)

- (6) In any age group, if there are not enough swimmers for one complete heat, all swimmers in that age group shall be seeded in adjacent lanes for preseeded events.
- (7) After all full heats are seeded within each age group, the remaining swimmers may be seeded with any available age group of remaining swimmers.
- (8) In situations where all seeding rules cannot be simultaneously met, the seeding of these heats may diverge slightly from the general seeding procedures, with the concurrence of the Championship Committee liaison.
- (9) A swimmer may be seeded in an incomplete heat of another age group if the swimmer's entry time would have a significant impact on the timely running of the meet, as determined by the Championship Committee.
- (10) There will be no splitting of age groups into A.M. and P.M. sessions. However, at the meet director's discretion, swimmers whose entry times will inordinately delay the progress of the meet may be seeded individually in an outside lane with manual timing, thus allowing the continued sequence of the regularly scheduled heats.
- (11) If a swimmer enters an event with a time significantly slower or faster than that swimmer's recorded time in the past two years, the

meet director may, after a discussion with the swimmer, change the seeded time to a realistic time.

B Distance events

- (1) The 1000/1650 or 800/1500 freestyle shall be deck-seeded as in article 104.5.5A(4).
- (2) For any freestyle event 400 meters or longer, men and women may be seeded together at the discretion of the Championship Committee.
- (3) In the 800/1000 and 1500/1650 freestyle, all men and women swimming slower than a standard established by the Championship Committee will be seeded together by time only.

C Multiple courses—When courses are unequal in any way (depth of the course, visibility of timing display, bulkhead turns, type of gutter or starting blocks, etc.), male and female swimmers shall alternate courses by days. Days for each course shall be determined by the Championship Committee. If the timeline of the meet is significantly affected by this rotation, the Championship Committee may override this requirement.

104.5.6 Club Scoring

A Scoring—All national championship meet scoring and awards shall be treated as if the meet were swum in a 10-lane pool, regardless of the actual number of lanes available. Points shall be awarded as in article 103.19.3.

B Categories—Club scoring will be tabulated in two categories.

- (1) **Regional clubs**—For competition at national championship meets, a regional club consists of a club made up of those swimmers who represent a club at nationals, but at competitions within their LMSC, they compete for an entity or subgroup (such as a workout group) that is different than the one they compete with at nationals.
- (2) **Local clubs**—For competition at national championship meets, a local club consists of a club that does not qualify as a regional club.
- (3) The Championship Committee shall publish a list of regional and local clubs no later than February 15 of each year. A club may contest its designation or the designation of another club by filing an appeal with the chair of the Championship Committee at least 45 days prior to the first day of competition at the national championship meet.

C Overall point total—The overall point totals for each club shall be published in all results documentation.

104.5.7 Awards

A Awards—All top finishers in each race will be given awards regardless of the nationality of the swimmer. Duplicate awards will NOT be given except in the case of ties. Appropriate awards as determined by the Championship Committee will be awarded for places one through 10.

B USMS championship award (i.e., patch or some similar award to be determined by the Championship Committee)—Each individual who wins a short course or long course individual or relay championship

shall be awarded a USMS championship award. Swimmers winning more than one championship may purchase one additional award for each additional championship won.

- C **Club awards**—The organization conducting the national championship meet shall provide awards as approved by the Championship Committee in accordance with the scoring method. Points scored for a club will be the sum of all points scored by members competing for that club in events for men, women and relays.

104.5.8 Results

- A **Posting of meet results**—Event results shall be posted and splits for each swimmer shall be made available in accordance with article 103.7.2E.

- B **Publication of meet results**—Meet results in the appropriate format (see Appendix B) and club scores shall be published within 30 days of the last day of the meet and posted on the USMS website. Electronic files shall be sent to the Championship Committee chair and the USMS Records and Tabulations Committee chair, and a hard copy shall be sent to the USMS Records and Tabulation Committee chair or designee.

104.5.9 Protest Procedure

- A Protests against judgment decisions of starters, stroke and turn judges and relay takeoff judges may only be considered by the referee of the meet.

- B Protests affecting the eligibility of an individual, a relay team or a club to compete, or protests arising from the competition itself, shall be handled by a panel of five persons. The panel shall be composed of one representative each from the Championship Committee and Rules Committee, if present, plus three other participants selected from other than the host club by the protest panel chair or Championship Committee liaison. This panel shall be chaired by the representative from the Championship Committee. Protests shall be submitted in writing and heard by the panel. Both the party lodging the protest and the party charged shall be afforded a chance to be heard. Decisions shall be rendered no later than the last day of competition. The decision of the panel shall be final.

- C Any protests made following the close of competition shall be directed to the chair of the Championship Committee for resolution.

104.5.10 Personnel (also see article 103)

- A **Meet director**—The meet director shall follow the swimming rules of USMS Inc. and the policies and procedures established by the Championship Committee with regard to the planning and execution of the requirements for a national championship meet.

- B **Officials**—The meet host shall appoint a meet referee and an administrative referee subject to qualification standards established by the USMS Officials Committee. A head starter shall also be assigned.

The following positions shall be assigned for each session:

- one deck referee for each course,
- one starter for each course,
- one chief judge for each course.

A sufficient number of stroke and turn judges shall be assigned in order to provide fair and equitable jurisdictions per article 103.10.4.

In addition to the officials listed above, additional officials may be assigned in order to provide adequate relief for all officials during each session.

All officials shall be certified by USA Swimming, USMS, YMCA or any other USMS-approved certifying body in the capacity to which they are assigned. An official may serve in only one officiating position during any event, except that during freestyle events 400 meters and longer, the referee and starter may double as stroke and turn judges.

C Other personnel—The minimum other personnel at each session of a USMS national championship meet shall include the following:

- two timers per lane for each course, each using a backup button and at least one timer using a stopwatch,
- one recall rope operator for each course if a recall rope is used,
- one safety marshal for each end of each pool in use for warm-ups.

A sufficient number of administrative officials (including timing equipment operators) shall be assigned to ensure that rules and procedures regarding seeding, official time determination, results and certification of records are followed. Where overhead video cameras are used, the referee shall make further modifications as appropriate and shall ensure that timers' duties in 103.11.2A and D and 103.11.3B are assigned to other meet personnel.

D Availability of officials—In the event of insufficient personnel, the meet referee may modify or combine assignments, except that the deck referee and starter may not be the same person and lane timers may not operate two similar timing devices simultaneously.

104.5.11 Facilities and Equipment (also see article 107)

- A** If more than one course is to be used in a national championship meet, then each course must have its own automatic timing system.
- B** All courses shall have electronic readout boards. For two courses, the electronic readout boards shall have the capability of displaying times for all lanes simultaneously.
- C** Automatic timing equipment shall be provided for all courses during the competition.
- D** The event number and heat number for each heat in the water shall be displayed at all times during the competition in a location easily visible to all participants for each course being used.

- E The organization conducting the national championship meet shall use a computer to compile entry lists, heat sheets, entry cards and final results.

**ARTICLE 105:
Records, Top 10 Times and
All-American Recognition**

105.1 Requirements for Records, Top 10 Times and All-American

105.1.1 Sanction/Recognition—All times to be considered for records, Top 10 and All-American must be achieved in USMS-sanctioned meets or USMS-recognized events.

105.1.2 Deadlines—Times to be considered for records and Top 10 times shall be achieved and submitted as follows:

Course	Times shall be achieved on or before:	Times shall be forwarded to Records and Tabulation chair or designee by:	Season
Short Course Yards	May 31	June 30	June 1-May31
Long Course Meters	Septemeber 30	October 20	October 1-September 30
Short Course Meters	December 31	January 26	January 1-December 31

105.1.3 LMSC Responsibility—Each LMSC is responsible for reporting the Top 10 times, USMS national records and world records achieved in its LMSC in the appropriate format (see Appendix B), including all times achieved by swimmers from other LMSCs.

105.1.4 Required Information—To be considered for national Top 10 times or for USMS national records, eligibility for all individual times and relay leadoff times is based on current USMS membership. The results must contain the full name (as it appears on the USMS membership card) and age of each swimmer. All relay times must include the name of the club and the full name (as it appears on the USMS membership card), the age and, for mixed relays, the gender of each swimmer.

105.1.5 Acceptable Times—Only those results from events conducted in pools in conformance with article 107.2.1 shall be acceptable for record applications or Top 10 submissions.

105.1.6 Pool Certification

A Record applications and Top 10 submissions shall not be accepted unless certification of course length accompanies them or is on file with USMS or FINA.

B Pool certification shall be reported on the USMS Pool Length Certification Form (see Appendix B). USA Swimming verification of pool

length certification will be accepted if it meets the USMS requirements for pool measurement (105.1.7B).

- C** Certification data need only be filed once unless structural changes, including resurfacing, have occurred since the original certification.

105.1.7 Pool Measurement

- A** The length of the course must be measured for all lanes using a steel tape or other acceptable measuring device. The measurement must be attested to by the person performing the measurements. The measurement must be recorded:

- (1) In feet and inches and fractions of an inch or
- (2) In meters and centimeters.

- B** A statement of the conditions under which the course was measured must be included as stipulated on the USMS Pool Length Certification Form (Appendix B).

- C** If a moveable bulkhead is used and the initial pool length certification for all lanes is on file, the length of the course must be confirmed by measuring the two outside lanes and a middle lane prior to the start of the meet and at the conclusion of each session.

- D** If a moveable bulkhead is used and the initial pool length certification for all lanes is on file, the measurement rules and policies of FINA shall be the standard for events sanctioned by a FINA Masters member federation other than USMS.

- E** If a moveable bulkhead is used and the initial pool length certification for all lanes is on file, the measurement rules and policies of USA Swimming shall be the standard for Top 10 eligibility for events sanctioned by USA-S. The measurement rules and policies of USMS shall apply for dual sanctioned events.

- 105.1.8** USMS national records shall be published annually in the *USMS Code of Regulations and Rules of Competition*.

105.2 Top 10 Times

- 105.2.1** The 10 best times nationally in each age division and for each gender shall be published annually for the events listed under article 102.5.

- 105.2.2** Split times shall be considered for Top 10 times if:

- A** The time meets the requirements for an official time,
- B** In an individual event other than backstroke, the request to have a split time recorded is brought to the attention of the meet referee in writing prior to the conclusion of the meet,
- C** In a relay event or an individual backstroke event, the request to have a split time recorded is brought to the attention of the meet referee in writing prior to the swim and
- D** The swimmer(s) completes the full distance of the scheduled event without being disqualified and performs a legal finish at the initial distance.
- E** For a relay leadoff split time, the second swimmer does not start in the water when automatic timing is used.

F In nonconforming individual or relay events, the initial distance corresponds to an event listed in article 102.5. The relay event itself and the individual event itself need not conform to article 102.5 as long as the distance and stroke are clearly defined.

Such split times shall be included separately in the summary of results prepared by the meet director, and submitted to the LMSC Top 10 recorder.

105.2.3 In order for a time to be valid for Top 10 times consideration, a minimum timing quality of two manual times, averaged per USMS rules (see article 103.17.3), shall be used.

105.3 USMS National Records

105.3.1 The fastest official time by a USMS member in each event in a USMS-sanctioned or USMS-recognized competition, as verified in accordance with article 105.3.8, shall be designated as a USMS national record. For open water and long distance records, see article 308.

105.3.2 Records shall be achieved only in distances and strokes as listed in article 102.5.

105.3.3 Records must be made in accordance with all pertinent rules of USMS.

105.3.4 A record can only be made in still water.

105.3.5 The official time for establishing records shall be achieved and determined in accordance with articles 103.11, 103.17 and 103.18. Records shall require automatic timing, semiautomatic timing with three buttons or manual timing with three watches.

105.3.6 Split times shall be considered for USMS national records if

A They are recorded by fully automatic timing equipment.

B They meet the requirements of articles 105.2.2B–F.

Such split times shall be included separately in the summary of results prepared by the meet director and submitted to the LMSC Top 10 recorder.

105.3.7 Record times shall be submitted in hundredths of a second (two decimal places). If times are tied to the hundredth of a second, the results shall be declared a tie and records shared by all swimmers thus tied.

105.3.8 When a record is claimed, an official USMS record application form (Appendix B) shall be filled out, signed by the designated officials and transmitted immediately following performance with all supporting data, including official meet results, the timing system printout and/or copy of the entry card with timers' signatures to the records and tabulation chair for the LMSC in which the event was sanctioned or recognized. Responsibility for this lies with either the LMSC records chair or the official scorer of the meet. The LMSC records and tabulation chair shall send the supporting data to the chair of the USMS Records and Tabulation Committee or designee within 90 days of the end of the season as stated in article 105.1.2. Upon verification, the chair of the USMS Records and Tabulation Committee or designee shall promptly publish the new record on the USMS website. A record application shall not be accepted unless a copy of a birth certificate or passport accompanies it or is on file with USMS.

105.3.9 Records set outside the United States shall be submitted on official USMS record application forms (Appendix B) and are subject to all pertinent requirements.

105.4 All-American and All-Star

105.4.1 Individual All-American—The USMS member with the fastest listed time for an individual event for that season shall be declared the All-American in that event for the year.

105.4.2 Relay All-American—The USMS members from each relay team with the fastest listed time for that season shall be declared the relay All-Americans in that event for the year.

105.4.3 All-Star—The USMS member with the most individual All-American finishes for all three seasons in each age group and gender shall be declared the All-Star in that age group and gender for the year. If two or more swimmers have the same number of All-American finishes, then points will be assigned to all the Top 10 rankings of the tied swimmers for the year, and the swimmer with the highest sum will be declared the All-Star.

105.5 World Records

Applications and documentation for world records (25-meter and 50-meter courses only) shall be submitted to the USMS Records and Tabulation Committee chair or designee as detailed in Appendix B (see also articles 103.18.4 and 103.18.5).

ARTICLE 106: Health and Safety Regulations for Competition

106.1 Medical Examination

Each competitor is strongly encouraged to have a complete medical evaluation before beginning Masters swimming training. In addition, it is also recommended that each competitor have a physical checkup immediately prior to Masters swimming competition to ensure physical readiness for participation.

106.2 Medical Equipment

Meet directors are encouraged to investigate the use of appropriate emergency medical equipment and personnel for all meets.

ARTICLE 107: Facilities Standards

IMPORTANT: Swimmers are advised that United States Masters Swimming Inc. accepts no responsibility or liability for injuries resulting from accidents occurring in facilities not owned by United States Masters Swimming Inc., and strongly urges that all safety precautions be observed during sanctioned events.

107.1 Definitions

107.1.1 [M]—Mandatory requirement for all competition.

107.1.2 [M*]—Predicated upon facility availability, LMSCs may waive strict compliance with these requirements when sanctioning local competition.

107.1

- 107.1.3** [M‡]—Mandatory requirement; sanctioned events may be conducted in facilities not meeting these requirements but the results of those events shall not count for USMS records and Top 10. It must be noted in the meet information that events conducted in these facilities are noncompliant.
- 107.1.4** [NC]—Mandatory requirement for national championship meets and international competition.
- 107.1.5** Where dimensions are given, the dimension listed first shall govern and dimensions given in parentheses are for reference only.

107.2 Racing Course Dimensions

107.2.1 Length

- A Long course meters**—50.00 meters (164 feet, ½ inch). [M]
- B Short course meters**—25.00 meters (82 feet, ¼ inch). [M]
- C Short course yards**—25.00 yards. [M]
- D Dimensional tolerance**—Against the required length, a tolerance of minus 0.00 meter in each lane used for competition on both end walls at all points from 0.3 meter above (if the wall or timing pad extends to this height, or to the top of the wall or pad otherwise) to 0.8 meter below the surface of the water is allowed. [M‡]
- E Touchpads**—When touchpads are used as part of an automatic timing system, the thickness of these pads shall not cause the length of the racing course in any lane to fall below the minimum required length. [M]
- F Movable bulkheads**—When the racing course is fixed by the use of movable bulkheads, such bulkheads shall be capable of resisting lateral deflection due to tension exerted by the attachment of the lane dividers to ensure the required course distance in all lanes. [M]

107.2.2 Width—Minimum lane width for competitive swimming shall be 7 feet (2.13 meters). [M*, NC]

107.2.3 Water Depth

- A Starting end**—Minimum water depth for racing starts, as measured for a distance of 3 feet, 3½ inches (1.0 meter) to 16 feet, 5 inches (5.0 meters) from the end wall, during either competition or practice shall be as follows:
- (1) In pools with water depth less than 3 feet, 6 inches (1.07 meters) at the starting end, the swimmer must start within the water. [M]
 - (2) In pools with water depth 3 feet, 6 inches (1.07 meters) to less than 4 feet (1.22 meters) at the starting end, the swimmer must start from the deck or from within the water. [M]
 - (3) In pools with water depth 4 feet (1.22 meters) or more at the starting end, platforms shall meet the height requirements of article 107.11.1. [M]
- B Racing course**—Minimum water depth shall be 2 meters (6 feet, 7 inches) throughout the course. Based on facility availability, the Championship Committee may waive this requirement for national championship meets. [NC]

107.3 Racing Course Walls

107.3.1 Permanent Course—Walls enclosing the racing course shall be parallel and vertical. The end walls shall be at a right angle to the water surface and shall be constructed of solid material with a nonslip surface that extends no less than .8 meter (2 feet, 7½ inches) below the water surface. It is recommended that a toe-rest ledge be provided at approximately 4-foot depth in the walls of the deep-water race course. [M]

107.3.2 Movable Bulkhead Course Walls—If a continuous recessed hand grip is provided at or near the water surface in a movable bulkhead, the horizontal dimension of the recess perpendicular to the bulkhead should not be less than 6 inches (.15 meter) and designed in a manner to prevent the swimmer's fingers from contacting the back surface of the recess. [M]

107.4 Pool and Bulkhead Markings

107.4.1 Pool Bottom Lane Markers—Minimum 10-inch-wide (25-centimeter) lines of a dark contrasting color (preferably black) shall be provided in the middle of each racing lane on the bottom of the pool. The lines shall, preferably, be uninterrupted the length of the course and shall end with a distinctive cross line 3 feet, 4 inches (1.0 meter) long and the same width as the bottom center marker. The line, including the cross line, shall terminate 6 feet, 7 inches (2.0 meters) from each end wall. [M*, NC]

107.4.2 End Wall Targets—Flush, nonslip targets in the shape of a "T" or a cross and the same width as the lane bottom markers shall be provided in the center of each lane on each end wall of the course and shall extend at least 3 feet, 4 inches (1.0 meter) below the level of the water surface. It is recommended that the top edge of the deck be of a contrasting color to provide a visual target above the water at the end of the course. [M*, NC]

107.4.3 Lane Numbers—The lanes shall be numbered from right to left as the swimmers stand facing the course from the starting end of the pool. If the event is started at the turning end of the course, no change in the lane numbering shall be made; i.e., the lanes shall be numbered the same on both ends of the course. Lane numbers shall clearly identify the lanes to officials stationed on each side of the course. [M]

107.5 Overflow Recirculation System

The pool water recirculation and overflow system shall maintain the water level in line with the overflow rim of the pool gutters without creating appreciable current or water turbulence and shall maintain a smooth and calm water surface during competition. The pool recirculation system shall be turned off if, in the opinion of the referee, the water movement interferes with the conduct of competition. [M]

107.6 Water Temperature

Water temperature from 25 to 28 degrees Celsius (77 to 82 degrees Fahrenheit) shall be maintained for competition. [M*, NC]

107.7 Ladders

All ladders, steps or stairs within the racing course should be recessed in the pool side walls or removed during competition. [M*, NC]

107.8 Other Deck Equipment

107.8.1 Unobstructed Deck—Use of portable lifeguard chair stands and other deck fixtures is recommended. They should be removed from the competition area to allow free passage and unobstructed view for competitors and officials along all sides of the course. [M*, NC]

107.8.2 Diving Boards—One-meter diving boards that overhang the racing course shall be hinged out of the way or removed during competition. [M*, NC]

107.9 Lighting

107.9.1 Illumination—For indoor pools, 100 foot-candle illumination level is required at the water surface over the entire course. Overhead light fixtures shall be located to avoid the casting of shadows by the pool walls over the racing course. [M*, NC]

107.9.2 National championship meets—At national championship meets the same type and level of illumination must be provided and maintained during the warm-up period and competition. [NC]

107.10 No Smoking Signs

No smoking indoors or outdoors shall be permitted in any area designated for swimmers, including spectator seating, standing and eating areas, and “No Smoking” signs shall be so posted. [M]

107.11 Starting Platforms

107.11.1 Height (subject to the provisions of article 107.2.3)

A Long course and short course meters—The front edge of the starting platform shall be no less than .50 meter (1 foot, 8 inches) nor more than .75 meter (2 feet, 5½ inches) above the surface of the water. [M]

B Short course yards—The front edge of the starting platform shall be not higher than 2 feet, 6 inches (.762 meter) above the surface of the water. [M]

107.11.2 Front Edge of Platform—The front edge of the starting platform shall be flush with the face of the end walls. [M]

107.11.3 Size and Slope of Platform—The top surface of the starting platform shall be not less than .50 by .50 meters (20 inches by 20 inches) and shall slope not more than 10 degrees from the horizontal. It may have an adjustable-setting back plate. The entire surface of the platform shall be faced with permanent nonslip material. [M]

107.11.4 Backstroke Starting Grips—Starting platforms shall be equipped with firm starting grips located between .3 meter (12 inches) and .6 meter (24 inches) above the water surface. The front edge of the grips shall be parallel to and flush with the face of the end wall. [M]

107.11.5 Lane Numbers—Starting platforms shall be clearly marked with lane numbers visible to competitors and officials. [M]

107.11.6 Stability of Platforms—Starting platforms shall be anchored to the deck or bulkhead to remain stable at all times. [M]

107.12 Floating Lane Lines/Dividers

107.12.1 Installation—Floating lines dividing each lane shall extend the full length of the course and shall be attached at each end wall with recessed anchors

so located that the center line of the cable securing the lane lines shall be on the surface of the water with the bottom half of the floats uniformly submerged for its entire length. They shall:

A Separate the racing lanes. [M]

B Be outside the outermost lanes being used. [M*]

107.12.2 Size, Color and Safety—Dividers shall consist of contiguous floats having a minimum diameter of 5 centimeters (2 inches) to a maximum diameter of 15 centimeters (6 inches). The color of the floats extending from the walls the distance of 5 meters (16 feet, 6 inches) for long course and short course meters, and 15 feet for short course yards, shall be distinct from the rest of the floats. Distinctive colored floats, or markers extending around the full circumference of the floats, shall be placed at 15 meters (49 feet, 2½ inches) from each end wall in both short course and long course pools. Damaged or broken floats shall be removed and/or replaced to the extent possible. [M]

107.12.3 Number of Lane Lines—A single lane line between racing lanes shall be used in long course and short course meters competition. Multiple lane lines may be installed for short course yards competition, provided the width of water between dividers is not reduced to less than 7 feet. [M*, NC]

107.12.4 National Championship Meets—Minimum 11-centimeter-diameter floats shall be required for national championship meets. [NC]

107.13 Backstroke Flags and Lines

107.13.1 Design—At least three triangular pennants 6 to 12 inches in width at the base and 12 to 18 inches in vertical length, of two or more alternating and contrasting colors, shall be suspended on a firmly stretched line over each lane for all backstroke, individual medley and medley relay events. [M]

107.13.2 Location

A Long course and short course meters—5 meters (16 feet, 5 inches) from each end of the course, a minimum of 1.8 meters (5 feet, 11 inches) to a maximum of 2.5 meters (8 feet, 3 inches) above the water surface. [M]

B Short course yards—15 feet (4.57 meters) from each end of the course, 7 feet (2.13 meters) above the water surface. [M]

C Measurement—Height shall be measured to the horizontal line from which the pennants are suspended. [M]

107.14 Loudspeaker Starting System

An electronic sound-generating device shall be provided to give the starting and recall signal. Loudspeakers may be mounted underneath or on the side of each starting platform, between every two platforms, on each side of the racing course or positioned behind the starting platforms in such a manner that equitable dispersion of sound to all lanes is assured. The device shall also activate a strobe light or similar visual signal located on the starter's side of the course approximately 15 feet forward from the starting end, to indicate the start to manual timers and deaf and hard of hearing swimmers (also see article 108.3). The starting system may include an underwater recall speaker and final-lap signal option. [NC]

107.15 Recall Device

A device to recall swimmers shall be provided. If a recall rope is used, it shall be placed at the midpoint of the course in long course facilities and at the turn end backstroke flags in short course facilities. The rope shall be attached to vertical stanchions with a quick-release mechanism and shall be suspended at least 4 feet (1.22 meters) above the water surface at the lowest point. [M*]

107.16 Pace Clocks

There shall be at least two large, accurate timing devices or clocks for each warm-up course, preferably located on opposite sides of the course, clearly visible to all swimmers. [M*, NC]

107.17 Automatic Timing Equipment

107.17.1 Installation and Safety—Equipment shall be installed so that it will not interfere with swimmers' starts, turns or finishes or the normal overflow functions of the pool water recirculation system. All deck-level wiring shall be no more than 12 volts. [M]

107.17.2 Power Source—See article 103.17 for automatic and semiautomatic timing equipment types and performance requirements. Equipment powered directly from the utility line electrical service shall have the capability to automatically switch to standby battery power source in case of line power failure without affecting the continuity and accuracy of the timing system. [NC]

107.17.3 Touchpads

A Size and thickness—Recommended pad size shall be 6 feet, 6 inches (2 meters) wide and not less than 2 feet (.6 meter) deep. Minimum width of pads shall be 5 feet (1.52 meters). Thickness shall not exceed 3/8-inch (1 centimeter). [NC]

B Markings—Panel face markings shall conform to and superimpose on pool end wall markings as closely as possible. Perimeter edges of the panel shall have a 1-inch-wide black border. [NC]

C Sensitivity—Panels shall stop the timing system instantaneously by a light hand touch anywhere on the flat surface facing the race course and the upper edge, but shall not be activated by water turbulence. [NC]

D Installation and safety—Panels shall be installed and firmly anchored in the center of each lane and shall have no sharp edges, corners or other protrusions on any exposed surfaces. [NC]

107.17.4 Optional Accessories—Automatic timing equipment may provide relay judging capability, automatic lap counting, split time readouts for all lanes, correction of erroneous touch and television equipment tie-in. Any corrections or impulses generated by the equipment operators shall be clearly identified on the results printout.

107.17.5 Time Display Board (optional, except for national championships)—An automatic display board visible to all swimmers shall give a digital-time readout to two decimal places, displaying split times, final times and places for all lanes. In the event of a tie, the place shall be displayed as a tie. A separate line of display for each lane meeting the above requirements shall

be provided for national championship meets on two courses. A one-line board is the minimum requirement for a third course. [NC]

107.18 Electrical Safety

All permanent or temporary electrical connections to the electronic loudspeaker start system, automatic timing equipment and other electrical or electronic devices operating on line voltages in the vicinity of the racing course shall be made only from ground-fault circuit interrupter (GFI) protected convenience receptacles or circuits. In the event such receptacles or circuits are not available in the facility used for competition, portable UL-approved self-contained GFI outlet fittings shall be provided (furnished and installed) at the nonprotected convenience receptacles by the meet management, meet director or the equipment operator(s) whenever such equipment is connected and in use. [M]

ARTICLE 108: Guidelines for Officiating Swimmers with a Disability in USMS Meets

108.1 General

108.1.1 Authority—The USMS rules and regulations grant the referee the authority to modify the rules for the swimmer with a disability (see article 103.6.9). Disability is defined as a permanent physical or cognitive disability that substantially limits one or more major life activities. This section contains guidelines and suggestions for making such modifications.

108.1.2 Responsibilities

A Swimmer—The swimmer (or the swimmer's coach) is responsible for notifying the referee, prior to the competition, of any disability of the swimmer and of the requested modification. The swimmer/coach shall provide any assistant(s) or equipment (tappers, deck mats, etc.) if required.

B Referee—The referee's responsibilities include:

- (1) Determining if the requested modifications are appropriate and can be met.
- (2) Instructing the starter and stroke and turn officials as to the accommodations to be made for that swimmer.
- (3) **Modifications**—Aids to buoyancy and speed are not allowed (see article 102.12.1E and 102.13.9). Some of the modifications that the referee may make to accommodate the swimmer with a disability are:
 - (a) A change in starting position.
 - (b) Reassignment of lanes within a heat (e.g., exchanging lanes two and seven).
 - (c) Allowing the swimmer to have a personal assistant(s).

Other allowable modifications are further described in this section under the type of disability.

108.2 Blind And Visually Impaired

108.2.1 Start—With an audible starting system, no modification is usually required for a swimmer who is blind or has vision loss. The swimmer may, however, require assistance getting to and on the block.

108.2.2 Turns and Finishes—A swimmer who is blind or has vision loss is permitted to have personal assistants (“tappers,” who use poles with soft-tipped ends to tap the swimmer as notification of turns and the finish.) Sound devices shall not be used. It is the swimmer’s responsibility to provide the tapper(s), who shall be positioned within the confines of the swimmer’s lane at the ends of the pool.

108.2.3 Relay Takeoffs—A physical touch may be required to signal when the relay swimmer’s teammate has touched the wall. The specific method may be tailored to the swimmer’s preference, so long as it does not aid the swimmer’s takeoff or interfere with the timing.

108.3 Deaf And Hard Of Hearing

108.3.1 Visual Starting Signal—Deaf and hard of hearing swimmers require a visual starting signal (i.e., a strobe light and/or starter’s arm signals). The referee may reassign lanes within the swimmer’s heat (i.e., exchanging one lane for another) so that the strobe light or starter’s arm signal can more readily be seen by the deaf or hard of hearing swimmer. Standard starter’s arm signals are shown in Figure 1. A recall rope is required in the event of a recall, provided the meet host is notified by the entry deadline that a deaf or hard of hearing swimmer will be participating.



Figure 1A



Figure 1B



Figure 1C



Figure 1D

Figure 1. Standard starter’s arm signals for deaf swimmers for forward start.

- A. Twist hand at chin level—short whistles
- B. Arm overhead—swimmer steps onto starting block
- C. Arm moves to shoulder level—signal to “take your mark”
- D. Arm moves to side of body—starting signal



Figure 2A

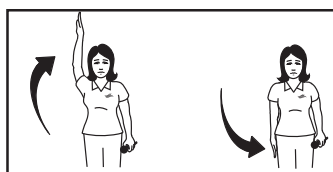


Figure 2 B

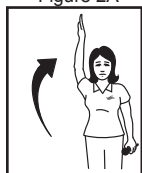


Figure 2C



Figure 2D

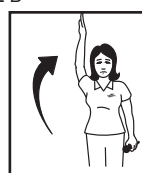


Figure 2D

Figure 2. Standard starter's arm signals for deaf swimmers for backstroke start.
 A. Twist hand at chin level—short whistles
 B. Arm overhead—swimmer enters water; drop arm to side while swimmer enters water
 C. Arm overhead—swimmer returns to backstroke start position
 D. Arm moves to shoulder level—signal to “take your mark”
 E. Arm moves to side of body—starting signal

108.3.2 Strobe Light Location—The starter shall advise the swimmers about the location of the strobe light and the light shall be located where the swimmers can clearly see it for the start. For backstroke starts, the light should be positioned so that the swimmers do not have to turn their heads to look backwards.

108.4 Cognitively Disabled

The swimmer may be permitted to have an assistant on the deck when necessary. No other specific rule modifications are required other than patience and clarity in communicating instructions.

108.5 Physical Disabilities

108.5.1 Start—Swimmers with physical disabilities:

- A May take longer to assume their starting positions,
- B May have difficulty holding the starting platform or pool end for a start,
- C May need assistance from someone on the deck to maintain a starting position,
- D May use a modified starting position on the blocks, deck or in the water.

Examples of modified starting positions are shown in Figures 3 and 4.

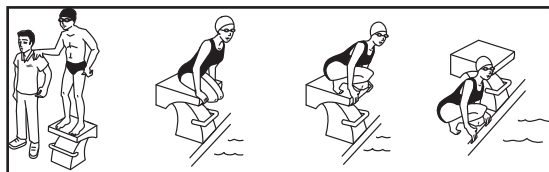


Figure 3

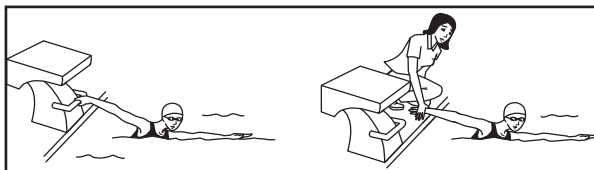


Figure 4

E Shall use a forward start for breaststroke and butterfly. The referee, however, may allow modifications, such as the following:

- (1) The swimmer may start from a sitting position on the block or on the deck,
- (2) The swimmer may assume a starting position in the water, with or without assistance,
- (3) If the swimmer cannot use a hand and/or foot to maintain contact with the wall, some other part of the body may be used.
- (4) For breaststroke and butterfly, after the start and after each turn, a swimmer who is unable to push off with the legs may perform one asymmetrical stroke to attain the breast position.

108.5.2 Stroke/Kick—In judging the stroke or kick of a swimmer with a physical disability, the referee and stroke and turn judge should follow the general rule that if a part of the body is absent or cannot be used, it is not judged; if it is used during the stroke or kick, it should be in accordance with the USMS rules.

Judgments should be made based on the actual rule—not on the swimmer’s technique. For example, the breaststroke swimmer with one arm or leg shorter than the other may have a nonsymmetrical stroke or kick, but as long as the arm or leg action is simultaneous, it would meet that portion of the rule.

108.5.3 Turns/Finishes

- A** Touches shall be judged in the same manner as strokes and kicks (i.e., on the basis of the arm[s] and/or hand[s] that the swimmer can use). In breaststroke and butterfly events, the competitor must reach forward as if attempting a simultaneous two-handed touch. When a swimmer has different arm lengths, only the longer arm must touch the wall, but both arms must be stretched forward simultaneously. Swimmers with no arms or with upper limbs too short to stretch above the head may touch the wall with any part of the upper body.
- B** At the turn and finish of the butterfly, an athlete with no leg function is permitted to perform a partial stroke with the arm(s) recovering forward under the surface of the water in order to touch the wall.



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PART 2: ADMINISTRATIVE REGULATIONS OF COMPETITION

ARTICLE 201: Membership and Representation

2

201.1 Membership of Individuals

All swimmers participating in events sanctioned by USMS must be members of USMS registered through their LMSC or members of their nation's recognized Masters swimming governing body.

201.1.1 Eligibility—Swimmers age 18 and over are eligible and may apply for membership in USMS.

201.1.2 Annual Membership—Individual membership is for the period January 1 through December 31 of each year. Swimmers applying for membership for the following year on or after November 1 shall be issued a membership card valid from the registration date through December 31 of the following year. Swimmers may register unattached or may affiliate with a club that is already registered for the same year for which the swimmer is registering.

201.1.3 One-Event Registration

A Open Water One-Event Registration—An LMSC may offer a single-event registration that allows an athlete to participate in a USMS-sanctioned open water event. Membership cards shall not be issued for one-event registration. One-event registrants must be considered unattached and agree to be governed by applicable USMS open water swimming rules and administrative regulations, except that their swims shall not be eligible for USMS national open water awards and recognition. One-event registrants shall be identified as such in the meet results.

B Pool One-Event Registration—An LMSC may offer a single-event registration that allows an athlete to participate in one event sanctioned by that LMSC. Membership cards shall not be issued for one-event registration. One-event registrants must be considered unattached and agree to be governed by the rules and regulations of USMS, except that their times shall not be considered for Top 10 tabulation and national or world records, All-American status or any other USMS special awards. One-event registrants shall be identified as such in the meet results.

201.1.4 Membership Application Forms

A Membership application forms—Individual membership application forms may be obtained from the registrar of the LMSC. The form, fully completed, shall be submitted with the applicable fee to the registrar of the LMSC or an official designee of the LMSC, who shall issue a membership card.

B Liability release—All membership application forms shall contain the exact language of the liability release according to article 204.1. The language shall not be modified in any way.

201.1.5 Fee—The annual membership fee and the one-event registration fee are composed of the following elements:

A A national fee established by the Board of Directors or the House of Delegates.

B A local fee established by the LMSC.

201.2 Membership of Clubs

Member clubs are organizations or groups of permanent character currently registered with USMS through its LMSCs and that actively promote and participate in Masters swimming.

201.2.1 Annual Membership—Annual membership for clubs is from the date of registration through December 31 of that year; however, a club applying for membership on or after November 1 will receive membership valid through December 31 of the following year.

201.2.2 Club Membership Forms—Membership forms for clubs may be obtained from the registrar of the LMSC. Renewal forms will be accepted October 1 for the next registration year. The completed form shall be submitted with the applicable fee to the registrar of the LMSC. The National Office shall issue a certificate of club membership.

201.2.3 Membership Fee—The annual membership fee is composed of the following elements:

A A national fee established by the Board of Directors or the House of Delegates.

B A local fee established by the LMSC.

201.2.4 Changing LMSC Affiliation—A club wishing to change its LMSC affiliation must approve such change by a majority vote of its general membership at a regular club meeting or at a special meeting called for that purpose, with the vote duly certified by the club's president and secretary. The transfer also must be approved by a majority vote of the officers of the club's current and proposed LMSCs. If approved, the transfer shall be effective 60 days after receipt of written notice by the National Office.

201.3 Representation

201.3.1 There shall be only one USMS membership per individual permitted at any time.

201.3.2 In order for a swimmer to compete as a representative of a club, that club must be a member in good standing of an LMSC and USMS for the year a swimmer is registering.

201.3.3 A swimmer shall register in the LMSC in which the club being represented is located. The swimmer need not reside within the LMSC territory.

201.3.4 An unattached swimmer is an individual member who does not represent a USMS club.

201.3.5 A swimmer shall not represent any club in competition for 60 consecutive days before transferring affiliation to another club, unless this transfer takes

place at the time of annual registration. A swimmer may declare unattached status at any time without written application.

201.3.6 All applications for changes of membership (including transfers) must be accompanied by a reasonable fee to be determined by USMS and the LMSC in which the swimmer will register for change of membership.

201.4 Travel Permits

201.4.1 A USMS membership card shall serve as a valid travel permit.

201.4.2 Written permission to compete in a foreign country may be obtained from that country's national Masters swimming chair or the chair's designee.

201.4.3 Any foreign swimmers requesting an invitation to participate in USMS events may have such invitation extended only by the USMS president or the president's designee.

ARTICLE 202: Sanction/Recognition of pool events

202.1 Sanctions

Times achieved at sanctioned events are considered for USMS national records, USMS Top 10 times and FINA world records. All swimmers entered in sanctioned events shall be USMS members, or shall have valid travel permits or their equivalents, or shall have other acceptable proof of current Masters membership.

202.1.1 Sanction Requirements—Sanctions shall be issued, withheld or withdrawn in accordance with the following:

- A** Applications for sanction shall be made to the LMSC within which the event is to be held, and applications shall be accompanied by a copy of the entry form and applicable fee.
 - (1)** The entry forms shall contain the language of the liability release as stated in articles 204.1 and 204.1.2. The language may only be modified by naming the sanctioning LMSC, sponsoring USMS club(s) and/or additional insured(s) following "UNITED STATES MASTERS SWIMMING INC." All swimmers, before participating, shall have signed the liability release.
 - (2)** Entry forms and programs must bear the statement "Sanctioned by (LMSC name) for USMS Inc. Sanction number: _____."
 - (3)** The sanction fee shall be established by the LMSC.
- B** All sanctions shall be signed by the LMSC's authorized representative, and a record thereof shall be retained for two years.
- C** Sanctions issued to one organization cannot be transferred to another. Any sanctions so transferred shall be void for all purposes, and the LMSC may deny further sanctions to any organization violating this provision.
- D** No sanction may be issued to any organization whose interest in sports and games is purely commercial, or where the event is to be promoted solely for the profit or the advertising value to be derived therefrom. Any income derived from sanctioned events must be used for the general welfare of the promoting organization as a whole.

- E** No sanction of any event shall be granted with the word “Olympic” or any derivative thereof used in any manner in connection with said event unless consent is obtained from the USOC.
- F** All sanctioned events are subject to the following conditions:
- (1)** The conduct of a sanctioned event shall be in strict compliance with applicable USMS swimming rules and administrative regulations, or when the sanctioned event is held simultaneously in conjunction with a USA Swimming sanctioned meet, with applicable USA Swimming rules and administrative regulations.
 - (2)** In order to be in compliance with FINA rule C.7.2, an LMSC may grant exceptions to specific USMS swimming rules and administrative regulations when sanctioning a FINA Masters World Championship.
 - (3)** Sanctioned events may include nonconforming swimming events so long as they are conducted in a safe manner. Nonconforming swimming events are events not defined in article 102.5 or that would typically result in the disqualification of participants as defined in article 102.13. USMS records and Top 10 times shall not be maintained in nonconforming events except for initial distances and relay leadoff split times for distances that are also events defined in article 102.5.
 - (4)** Sanctioned events may be conducted in facilities not meeting the dimensional tolerance for required pool length, but the results of those events shall not count for USMS records and Top 10. It must be noted in the meet information that events conducted in these facilities are noncompliant.
 - (5)** All swimmers shall submit with their entries copies of their current membership cards or travel permits, or supply proof of current Masters membership acceptable to the LMSC; however, at the discretion of the meet director and exclusive of national championship meets, a swimmer may enter indicating “number pending,” as long as proof of membership is presented prior to the swimmer’s participation in the event.
 - (6)** A swimmer’s valid affiliation and age must be displayed after the name on the heat sheet or in the program.
- G** A further sanction may be denied to any organization that has failed to conduct such event in accordance with applicable USMS swimming rules and administrative regulations, or as stated on the entry form.

202.2 Recognized Events

Times achieved at recognized events shall be considered for USMS national records and Top 10 times if a designated USMS observer is present and verifies in writing that the conduct of the competition conforms to the relevant USMS swimming rules and administrative regulations. USMS membership is not required for swimmers entered in recognized events. Times achieved by USMS members at events sanctioned by USA Swimming shall be considered for USMS national records and Top 10 times without formal application for recognition. Times achieved by USMS members at events sanctioned by a FINA member federation shall be considered for USMS national records

and Top 10 times without formal application for recognition if the USMS member(s) register for the meet as USMS members. It is the responsibility of the swimmer to submit times obtained in recognized events with complete documentation to the appropriate LSMC Top 10 recorder and the Records and Tabulation Committee chair.

202.2.1 Recognition—Recognition shall be issued, withheld or withdrawn in accordance with the following:

- A** Application for recognition of events within the jurisdiction of USMS shall be made to the LMSC within which the event is to be held, and applications shall be accompanied by the recognition fee.
- B** All recognitions shall be signed by the LMSC's authorized representative, and a record thereof shall be retained for two years.
- C** Recognition issued to one organization cannot be transferred to another. Any recognition so transferred shall be void for all purposes, and the LMSC may deny further recognition to any organization violating this provision.
- D** No recognition may be issued to any organization whose interest in sports and games is purely commercial, or where the event is to be promoted solely for the profit or the advertising value to be derived therefrom. Any income derived from recognized events must be used for the general welfare of the promoting organization as a whole.
- E** The conduct of a recognized event shall conform to relevant USMS swimming rules and administrative regulations, including but not limited to, the following:
 - (1)** Article 101 or Article 108 Starts, Strokes and Relays (Swimmers with a Disability)
 - (2)** Article 102.12.1 Swimwear Restrictions
 - (3)** Article 103.18.3 Timing Resolution
 - (4)** Articles 103.18.1, 103.18.2, 103.18.4, 103.18.5 and 103.18.7 Official Time
 - (5)** Articles 105.1, 105.2.1, 105.2.2A, 105.3.2, 105.3.6A and 105.3.8 Records and Top 10 Times
 - (6)** Articles 107.2.1, 107.2.3A, 107.3, 107.11.1, 107.11.2 and 107.13 Minimum Standards for Facilities
 - (7)** Relay leadoff split times that conform to articles 103.18.1 and 105.2.2A will be considered for events listed in article 102.5. USMS membership is not required for the other members of the relay team and the relay event itself need not conform to article 102.5.
- F** Further recognition may be denied to any organization that has failed to conduct said competition in accordance with applicable USMS swimming rules and regulations, or as stated on the entry form.

- G** Recognition for any meet held outside the jurisdiction of USMS, and not sanctioned by a FINA member federation, shall be obtained from the Executive Committee.

202.3 Fitness Events

Fitness events are USMS events approved by the USMS Fitness Education Committee, LMSCs or clubs. Participants shall be USMS members or obtain one-event registrations to participate in these events. A fitness event shall be a sanctioned event or performed in an organized/supervised practice.

ARTICLE 203: Sanction of Open Water Events

203.1 Sanctions

Swims achieved by USMS members at sanctioned events are considered for USMS open water national awards and recognition, provided a designated USMS observer is present and verifies in writing that the conduct of the competition conforms to the applicable USMS swimming rules and administrative regulations.

203.1.1 Sanction Options—USMS shall offer sanction options as defined below.

A Standard USMS Sanction—Open water events restricted to USMS members, one-event registrants and Masters swimming members of a FINA member federation. All swimmers entered shall be considered part of the same event and shall swim under applicable USMS open water swimming rules and administrative regulations.

B Events Including Both USMS and USA Swimming Members—USMS sanctioned open water event held in conjunction with a USA Swimming sanctioned open water event. USMS members shall swim under applicable USMS open water swimming rules and administrative regulations and USA Swimming members shall swim under applicable USA Swimming rules and administrative regulations. USMS athletes and USA Swimming athletes may swim at the same time on the same course. Athletes holding both USMS and USA Swimming memberships must declare their affiliation, in writing, prior to the start of the event.

C Other Sanctions—The Board of Directors shall consider and may approve other sanction options recommended by the Long Distance Committee, with input from the Open Water Committee, that allow sanctioning of events that include USMS and non-USMS members.

203.2 Swimmer Verification

203.2.1 All swimmers entered in USMS sanctioned events as USMS members or Masters swimming members of a FINA member federation shall provide proof of current membership, acceptable to the LMSC. All other swimmers entered shall provide proof of one-event open water registration.

203.2.2 All swimmers entered in USMS sanctioned events as members of non-FINA governing bodies shall have membership verification acceptable to their governing body.

203.2.3 At the discretion of the event director and exclusive of national championship events, a swimmer may enter indicating “number pending,” as long

as acceptable proof of membership is presented prior to the swimmer's participation in the event.

203.3 Sanction Requirements

203.3.1 Jurisdiction—The LMSC in which the event originates shall have jurisdiction in issuing the sanction. If any events are to be swum in more than one LMSC, the other LMSC(s) may also issue a sanction for the event. The sanction fee shall be established by the LMSC with jurisdiction.

203.3.2 Requirements—The following requirements shall be followed by the sanctioning LMSC and sanction applicant:

- A** LMSCs shall use the prescribed sanction application form without additional requirements.
- B** Applications for sanction shall be made to the LMSC with jurisdiction.
- C** Sanctions shall be signed by the LMSC's authorized representative, and a record thereof shall be retained for two years.
- D** The LMSC's authorized representative shall report the sanction to USMS.
- E** Sanctions issued to one organization cannot be transferred to another.
- F** No sanction of any event shall be granted with the word "Olympic" or any derivative thereof used in any manner in connection with said event unless consent is obtained from the USOC.
- G** When sanctioning a FINA Masters World Championship open water event, an LMSC may grant exceptions to specific USMS open water swimming rules and administrative regulations in order to be in compliance with FINA rules.
- H** Sanctioned events may include nonconforming swims so long as they are conducted in a safe manner.

203.3.3 Entry Forms and Programs

- A** The entry forms shall contain the language of the liability release as stated in article 204. The language may only be modified by naming the sanctioning LMSC(s), sponsoring USMS club(s) and/or additional insured(s) following "UNITED STATES MASTERS SWIMMING INC." All swimmers, before participating, shall have signed the liability release.
- B** Entry forms and programs must bear the statement "Sanctioned by (LMSC name) for USMS Inc. Sanction number: _____."
- C** In the event of a dual sanction, entry forms and programs must identify the other sanctioning body.
- D** For competitive open water events that calculate individual scoring for place and/or club scoring, a swimmer's valid club affiliation and age must be displayed after the name in the program, if a program is published.

203.3.4 Results—Event directors shall submit official electronic results of the event to the LMSC's authorized representative.

203.4 Withdrawal Or Denial Of Sanctions

- 203.4.1** Sanction may be denied to any individual or organization that has failed to conduct previously sanctioned events in accordance with applicable USMS open water swimming rules and administrative regulations, or as stated on the entry form.
- 203.4.2** Sanction may be denied to any individual or organization that has failed to demonstrate the ability or willingness to conduct the sanctioned events in accordance with applicable USMS open water swimming rules and administrative regulations.
- 203.4.3** Sanction may be withdrawn from any individual or organization failing to conduct the sanctioned events in accordance with agreed upon USMS open water swimming rules and administrative regulations and other stated requirements on the entry form.

**ARTICLE 204:
Liability Release**

204.1 Release

All individual membership application forms and sanctioned entry forms shall include a liability release. The liability release shall be signed by the person registering or entering. The language of the membership release shall be:

“I, the undersigned participant, intending to be legally bound, hereby certify that I am physically fit and have not been otherwise informed by a physician. I acknowledge that I am aware of all the risks inherent in Masters swimming (training and competition), including possible permanent disability or death, and agree to assume all of those risks. AS A CONDITION OF MY PARTICIPATION IN THE MASTERS SWIMMING PROGRAM OR ANY ACTIVITIES INCIDENT THERETO, I HEREBY WAIVE ANY AND ALL RIGHTS TO CLAIMS FOR LOSS OR DAMAGES, INCLUDING ALL CLAIMS FOR LOSS OR DAMAGES CAUSED BY THE NEGLIGENCE, ACTIVE OR PASSIVE, OF THE FOLLOWING: UNITED STATES MASTERS SWIMMING INC., THE LOCAL MASTERS SWIMMING COMMITTEES, THE CLUBS, HOST FACILITIES, MEET SPONSORS, MEET COMMITTEES OR ANY INDIVIDUALS OFFICIATING AT THE MEETS OR SUPERVISING SUCH ACTIVITIES. In addition, I agree to abide by and be governed by the rules of USMS.”

- 204.1.1** The language of the entry release may be modified as described in article 202.1.1A(1).
- 204.1.2** For open water events, the following statement shall be added to the end of the release:
- “Finally, I specifically acknowledge that I am aware of all the risks inherent in open water swimming and agree to assume those risks.”



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PART 3: OPEN WATER AND LONG DISTANCE SWIMMING RULES

ARTICLE 301: Administration

301.1 Organization

The conduct and organization of open water and long distance swimming for Masters shall be governed by USMS through its Long Distance Committee and LMSCs. The chair and committee members shall be appointed as provided in articles 507.1 and 507.1.8.

301.2 Guide to Operations

301.2.1 Open Water Guide to Operations—The Long Distance Committee, with input from the Open Water Committee, shall develop and maintain a USMS Open Water Guide to Operations. The manner of implementation, governing policies and management of the rules applying to open water swims shall be contained in this guide.

301.2.2 Postal Guide to Operations—The Long Distance Committee shall develop and maintain a USMS Postal Guide to Operations. The manner of implementation, governing policies and management of the rules applying to postal swims shall be contained in this guide.

301.3 Membership, Representation and Sanctions

Membership, representation and sanctions for open water and long distance events shall be governed by all applicable rules under articles 202 and 203. In addition, the following administrative rules apply:

301.3.1 Participants with one-event registrations shall not be eligible to compete in open water and postal national championships, nor shall they be eligible for records, All-American status or any other USMS special awards.

301.3.2 All participants in national championship postal events must be currently registered members of USMS or a FINA-member national governing body on or before the day of their swim.

301.4 Liability Release

Entry forms shall contain the exact language of the liability release according to article 204.

301.5 Age Determining Date

301.5.1 In an open water swim, the eligibility of a participant shall be determined by the age of the participant as of the last day of the event, except for 18-year-olds, who must be 18 on the day that they swim.

301.5.2 In a postal swim, the eligibility of a participant shall be determined by the age of the participant as of the day of the swim.

ARTICLE 302: Open Water Events

302.1 Events

An open water event is comprised of one or more swims of any distance conducted in an open body of water, either natural or manmade. The distances shall be the same for both men and women.

302.1.1 Open water events shall be comprised of individual and/or relay swims.

302.1.2 At the discretion of the event director, clinics or other swimming activities may be included as part of open water events.

302.1.3 At the discretion of the event director, open water events may be competitive and/or noncompetitive.

302.2 Open Water Swims

302.2.1 Straightaway Swims

A The course shall be a straight, measured distance within plus or minus 6 inches, in stationary open water and defined by a cable with floats or a continuous marking system visible to the swimmer. Floats on the course shall be a maximum of 10 meters apart.

B Course measurement—If permanent fixed and stationary markers are used, a course shall be certified once every five years. If markers are not permanent, the course shall be certified by a licensed surveyor annually before the swim takes place.

302.2.2 Other Open Water Swims—The event director shall determine the course and type of start for open water swims, keeping in mind the safety of the swimmers. The course shall be measured as accurately as possible.

302.2.3 Solo Swims—Solo open water swims, consisting of one or a select number of swimmers, may be sanctioned and shall conform to the rules stated under article 303.11.

302.3 Cumulative Relays

302.3.1 Cumulative relays are comprised of groups of swimmers entered in the individual swim. Cumulative relay swims may be contested on a total time/distance or point system basis.

302.3.2 Time or Distance Basis—A specified number of contestants on each relay shall be considered in the computations for team scoring. The relay whose top specified number of swimmers has the lowest cumulative time or the greatest cumulative distance shall be declared the winner. A similar method shall be used to determine second, third and subsequent places. In the event of a tie, the relay with an individual member with the fastest or farthest swim shall be declared the winner or awarded the place.

302.3.3 Point Basis—Points are awarded on the basis of overall finishing position, with one point for first place, two points for second place, etc. The points of specified relay members are added, and the lowest cumulative score determines the winning relay; the second lowest score, the second place,

etc. In the event that two or more relays score the same number of points, the relay with the individual member with the fastest or farthest swim shall be declared the winner or awarded the place.

302.4 Sequential Relays

302.4.1 Relays shall consist of two or more swimmers as specified on the entry form. The relay members shall rotate in the same order throughout the event. The time or distance each swimmer is required to spend in the water shall be specified on the entry form. The changeover to the new swimmer shall be made within one minute after the completion of the previous swimmer's leg. In the exchange in open water relays, physical contact must be made between the two swimmers.

302.4.2 Mixed-gender sequential relays shall consist of at least one swimmer of each gender is represented, as follows:

Total number of relay members	Women	Men
2	1	1
3	minimum 1	minimum 1
4	2	2
5	minimum 2	minimum 2
6	3	3

302.4.3 With the exception of National Championship events, the event director may allow special events in which members of an open water relay need not be from the same club.

302.5 Water Conditions

For swims of three miles or more, the swim shall not begin if the water temperature exceeds 85° F.

Article 303:

Conduct of Competitive and Solo Open Water Events

303.1 Scoring Divisions

With the exception of national championship events, scoring divisions are at the discretion of the event director and may be separated by gender, age group, swimwear, specialty categories or any other method suitable to the swimmers served.

303.1.1 Scoring divisions shall be subject to the following:

- A** Scoring divisions shall be the same for men and women.
- B** For competitive swims, separate scoring divisions may be contested at the same time, with results tabulated separately.
- C** If awards are given for competitive swims, they shall be of equal value for men and women.
- D** For the purposes of national championships, awards and recognition, only standard USMS scoring divisions—used singly and in combination—shall be eligible. Specific applications of scoring divisions are found in the applicable rules under articles 307.7.4 and 307.7.5.

303.1

E With the exception of National Championships, requirements defined in article 303.1.1D may be waived by the Long Distance Committee chair to facilitate the development of new or revised awards systems.

303.1.2 Standard USMS gender scoring divisions consist of:

A Individual—Open, women and men

B Relay—Women, men and mixed

303.1.3 Standard USMS age group scoring divisions consist of:

A Individual—Open and 18-24, 25-29, 30-34 ... (five-year age groups as high as necessary).

B Relay—Open and 18+, 25+ ... (10-year age groups as high as necessary), the age of the youngest relay member determining the age group.

303.1.4 Standard USMS swimwear scoring divisions consist of category I and category II swimwear as defined in article 303.7.

303.2 Safety

303.2.1 Event directors shall develop and maintain a written safety plan that is available for review by the LMSC authorized representative.

303.3 Escorted Swims

303.3.1 In any event for which it has been arranged that an escort craft will accompany each swimmer throughout the event, all swimmers shall be accompanied by such an escort craft. If the escort craft becomes disabled or cannot continue to accompany the swimmer, the swimmer may stay in the water near the disabled escort craft until a replacement arrives, join another escort craft that is accompanying only one other swimmer until another escort craft arrives or exit the water.

303.3.2 Swimmers may receive the following assistance from any escort craft:

A Food or drink may be passed from escort craft to swimmer as long as deliberate contact is not made between the two.

B The escort craft may also assist the swimmer with navigation, including verbal and written communication.

303.3.3 Swimmers shall not receive the following assistance from any escort craft:

A Swimmers shall not receive flotation or propulsion from any escort craft nor make intentional contact with any craft.

B Drafting the escort craft shall not be permitted when other open water is readily available.

C Escort craft shall not obstruct other swimmers in the race.

303.3.4 If a swimmer's escort craft becomes disabled as per article 303.3.1, an escort craft for another swimmer may assume responsibility for the swimmer with the disabled escort craft, subject to the following conditions:

A Any one escort craft may escort no more than two swimmers.

B The two swimmers must stay within 3 meters of each other. Failure to stay within 3 meters shall result in immediate disqualification of the second swimmer assigned to the escort craft and the immediate exit of that person from the water.

303.4 Starts

303.4.1 Types

- A Stationary**—Swimmers start from a platform or in the water behind the starting line.
- B Running**—Swimmers line up a short distance from the water behind a marked line. At the starting signal, the swimmers run into the water and swim the prescribed course.
- C Wave**—At the discretion of the event director, swims may be started in waves in which each wave is separated at the start from other waves by a time interval. Swimmers' times shall be adjusted by the starting time interval and their order of finish shall be determined on the basis of the adjusted time.

303.4.2 Starting Signal—The starting signal shall be both audible and visible.

303.4.3 Straightaway Events—A stationary water start shall be used in straightaway events.

303.5 Seeding

303.5.1 When practical, swimmers shall be seeded by their 1500 meters/1650 yards times. The manner of seeding swimmers without times shall be at the discretion of the event director, as stated in the event entry sheet.

303.5.2 When wave starts are used in straightaway swims, the swimmers shall be seeded in order of time, with the fastest swimmers receiving the preferred positions in seeded order. If subsequent rows are needed, they shall be seeded in a similar method.

303.5.3 Events for different age groups and genders may be combined to allow the swimmers to compete at the same time.

303.6 Finishes

303.6.1 Types

A In-the-Water—The swimmer shall have finished the swim when any part of the swimmer touches a vertical surface or crosses a specifically designated finish line after completion of the prescribed distance. Order of finish shall be determined as the swimmer touches the vertical surface or crosses the finish line. Place judges and timers shall position themselves accordingly.

B Out-of-the-Water—Swimmers shall leave the water, as defined by the course, and proceed to a specifically designated finish line. Order of finish shall be determined as the swimmer's chest crosses the finish line. Place judges and timers shall position themselves accordingly.

303.6.2 Straightaway Events—An in-the-water finish shall be used in straightaway events.

303.6.3 When a final time has been submitted to the nearest second, .99 second shall be added to the time submitted. When a final time has been submitted to the nearest tenth of a second, .09 shall be added to the time submitted.

303.6.4 Electronic Timing/Incorporating Chip Timing

- A Backup timing**—In open water swims in which the event director provides electronic timing/chip timing, an independent operating backup timing system is required.
- B Order of finish**—For both in-water and out-of-water finishes, the order of finish shall be determined when the timing chip is registered by the electronic timing system or when the independent backup timing system is activated.

303.7 Swimwear for Open Water Events

Swimwear allowed for open water events is defined below and is not impacted by decisions of FINA, USA Swimming or Part 1 of USMS rules. It is the swimmer's responsibility to understand the appropriate swimwear allowed at a particular event.

303.7.1 Rules for All Swimwear for Open Water Events

- A Design**—Swimsuits shall be nontransparent and conform to the current concept of the appropriate. The referee shall have the authority to bar offenders from competition until they comply with this rule.
- B Advertising**—Products involving tobacco, alcohol or pharmaceuticals containing drugs banned under IOC or FINA rules may not be advertised, but the advertiser's name only may be used. Offenders may be barred from competition until they comply with this rule.

303.7.2 Rules for Category I Swimwear for Open Water Events

- A** Swimwear shall include only a swimsuit, cap or caps (which may include those made of neoprene) and goggles. Swim caps shall be defined as head gear conforming to a traditional swim cap design and shall not extend to protect the neck and shoulders. Nose clips, ear plugs, wristwatches and grease are also allowed.
- B** The competitor shall wear only one swimsuit in one or two pieces. All swimsuits shall be made from textile materials. For men, the swimsuit shall not extend above the navel nor below the knees. For women, the swimsuit shall not cover the neck, extend past the shoulder nor below the knees.
- C** Exemptions to the restrictions in articles 303.7.2A-B may be granted to a swimmer, on a case by case basis, by the chair of the Long Distance Committee or designee. Exemptions will be granted only for conflicts due to the swimmer's verified religious beliefs or verified medical conditions.
- (1) Procedures for applying for an exemption will be published by the Long Distance Committee and posted on the U.S. Masters Swimming website.
 - (2) No exemptions to these restrictions will be granted for swimwear that would give a swimmer a competitive advantage.
 - (3) The decision of the Long Distance Committee chair may be appealed only to the entire Long Distance Committee, whose decision shall be final and binding on all parties.
- D** Swimmers are not permitted to wear or use any device or substance to help their speed, pace, buoyancy or endurance during a swim (such as

wetsuits, webbed gloves, fins, snorkels, buoyant armbands, etc.). Any kind of tape on the body or flat armband is not permitted unless approved by the referee. Any devices used to maintain body heat are not permitted, except for those listed in article 303.7.2A.

303.7.3 Rules for Category II Swimwear for Open Water Events

- A** Swimwear that does not meet the requirements for category I swimwear shall be considered category II swimwear. Swimwear may include a swimsuit or wetsuit, cap or caps, goggles, arm bands and rash guards. Nose clips, ear plugs, wristwatches and grease are also allowed.
- B** Wetsuits or any other heat-retaining swimwear may be allowed at the discretion of the event director when the water temperature is not greater than 78 degrees Fahrenheit.
- C** Swimmers are not permitted to wear or use any additional device or substance to help their speed, pace, buoyancy or endurance during a swim (such as webbed gloves, fins, snorkels, etc.), except in designated events where all swimmers may use similar devices or substances. Any kind of tape on the body is not permitted unless approved by the referee.

303.8 Officials

- 303.8.1** There shall be an event director, referee, safety coordinator, scorer, announcer, clerk of course, starter and a sufficient number of judges, inspectors, timers and medical personnel to ensure a properly run open water event.
- 303.8.2** The clerk of course shall ensure that all entrants in open water events are visibly marked with their entrant numbers.
- 303.8.3** Official craft shall be placed in a position in open water events to best observe yet not physically hinder the swimmers.

303.9 Disqualifications

A disqualification can be made only by the referee, the starter or a judge within whose jurisdiction the infraction has been committed. Swimmers shall be disqualified if they:

- 303.9.1** Or their personal escort willfully or intentionally delay the progress of another swimmer. Accidental contact, especially at the start, shall not be considered a disqualification. However, the flagrant disregard of another swimmer's rights shall result in disqualification.
- 303.9.2** Fail to complete the prescribed course.
- 303.9.3** Fail to complete the prescribed course within the preannounced time.
- 303.9.4** Fail to follow race rules.
- 303.9.5** Receive assistance by pulling, pushing, or resting on the escort or safety craft, cables, line markers, buoys, buoy lines, or cable pilings. Incidental contact shall not be a basis for disqualification.
- 303.9.6** Receive assistance by drafting in swims in which drafting is prohibited.
- 303.9.7** Violate rules on escorted swims as described in article 303.3.3 or receive similar assistance from any craft on the course.
- 303.9.8** Receive unauthorized assistance at the start or finish.
- 303.9.9** Violate swimwear rules.

303.9.10 Swim in a manner in which their personal safety is jeopardized.

303.9.11 Act in an unsportsmanlike or unsafe manner within the swimming venue.

303.10 Swimmers with Disabilities

303.10.1 The event director may modify any rule or race management procedure for a swimmer who has a disability. Any such modification shall affect only the current event and does not set precedent.

303.10.2 Definition—Disability is defined as a permanent physical or cognitive disability that substantially limits one or more major life activities.

303.10.3 Responsibilities

A Athlete—The athlete (or the athlete’s coach) is responsible for notifying the event director, prior to the competition, of any disability of the athlete and of the requested modification. The swimmer/coach shall provide any assistant(s) or equipment if required.

B Event director—The event director shall devise such modifications that allow the swimmer to participate as long as they conform to safety requirements. No modifications shall be granted that will give a swimmer a competitive advantage.

303.10.4 Recommendations for allowable modifications are further described in the Open Water Guide to Operations.

303.11 Solo Open Water Swim

This swim must be sanctioned by the LMSC in which it originates and conducted in accordance with all pertinent rules and regulations. If more than one swimmer is attempting to swim, only one sanction need be issued. All times achieved in solo open water swims shall be duly certified and made a matter of record by the sanctioning LMSC. The certification shall include:

303.11.1 Each swimmer’s name, age, gender and membership number.

303.11.2 Governing body sanctioning the event.

303.11.3 Course, including the name of the body of water, the starting and finishing points, and the measured distance.

303.11.4 Verification and documentation that all rules were observed and the swimmer(s) either completed or failed to complete the distance.

303.12 Incomplete Race

303.12.1 The referee shall determine if the start of a race is to be postponed or canceled, or if a race in progress is to be stopped.

303.12.2 If a race is stopped and swimmers are removed from the water for their safety, the referee shall determine if the race is to be restarted, canceled or considered official. If the referee determines the race to be official, article 303.9.2 may be waived and the order of finish of the swimmers on the course shall be determined by the referee.

303.13 Protests

303.13 .1 Any protest arising from a competition (other than National Championships—refer to article 307.7) shall be made to the event director within 30 minutes after the release of results for an open water event. If the protest is not resolved, the protester may appeal in writing within 10 days of the swim for adjudication to the LMSC officers. If the LMSC does not satisfactorily

resolve the protest, the protestor may appeal in writing for adjudication to the USMS Long Distance Committee chair.

ARTICLE 304: Conduct of Noncompetitive Open Water Events

304.1 Noncompetitive Events

Noncompetitive events are those that contain swims that are not scored for placement. At the discretion of the event director, the event may also include competitive swims.

304.1.1 Conduct of noncompetitive swims shall be at the discretion of the event director, as long as they conform to article 303.2.

304.1.2 Competitive swims included in a noncompetitive event shall be conducted according to the rules in article 303.

304.1.3 At the discretion of the event director, noncompetitive swims may provide timing as a courtesy to swimmers who desire to know their finish time.

ARTICLE 305: Long Distance Pool Events

305.1 Events

Long distance pool events shall consist of individual and/or relay competitions. The distances shall be the same for both men and women.

305.2 Definitions

A long distance pool event is any swimming event that contains distance-based swim(s) more than 1650 yards (1508.8 meters) in length or a time-based swim(s) equal to or longer than 60 minutes in time.

305.3 Pool

A long distance pool swim may be based on the time to swim a fixed distance or the distance swum over a fixed time. These swims may be conducted in a designated pool or as a postal event.

305.3.1 Event Director—The event director shall have the discretion to decide the time/distance of the swim(s) and, in the case of postal swim(s), the size(s) of the pools in which the event is to be swum.

305.3.2 Distance-Based Swims—The object of a distance-based swim is to determine who can swim a specific distance in the shortest amount of time.

305.3.3 Time-Based Swims—The object of a time-based swim is to determine who can swim the greatest distance in a given time period.

305.3.4 Postal—A postal event is a competition in which swimmers participate at a place of their choosing and send the time or distance achieved to a central location for tabulation.

305.4 Cumulative Relays

Cumulative relays are comprised of groups of swimmers entered in the individual swim. Cumulative relay swims may be contested on a total time/distance or point system basis.

305.5 Sequential Relays

Sequential relays shall consist of two or more swimmers as specified on the entry form. The relay members shall rotate in the same order throughout the event. The time or distance each swimmer is required to spend in the water shall be specified on the entry form. The relay exchange is governed by articles 101.7.3C and 101.7.3H.

305.6 Age Groups

Age groups in individual and relay events for men and women shall be the same as the standard USMS age group scoring divisions (listed in article 303.1.3).

305.7 Awards

If awards are given, they shall be of equal value for all age groups.

**ARTICLE 306:
Conduct of Postal Events****306.1 Rules**

Long distance events conducted in pools must comply with all applicable pool event rules in Part 1 of the rule book, except as noted in article 306.

306.2 Pool Size

306.2.1 Events shall be swum in a pool at least 25 yards in length.

306.2.2 Requirements for pool certification (article 105.1.6) and pool measurement (article 105.1.7) shall not apply to postal events.

306.3 Officials

306.3.1 There shall be at least one adult acting as a referee and starter present at all times, having no additional responsibilities during the swim other than acting as a timer if necessary.

306.3.2 Each swimmer shall have a timer who shall time and count lengths by recording split times for every two lengths during the swim. A timer may also serve as referee and starter if necessary. One person may serve as timer for no more than two swimmers at the same time.

306.4 Multiple Swimmers per Lane

304.4.1 In pools that are less than 50 meters, no more than two swimmers shall share a lane.

306.4.2 Drafting shall not be permitted.

306.4.3 When two swimmers are sharing the same lane, they shall conform to articles 102.10.4A(6)(a)-(b).

306.4.4 In pools that are 50 meters or longer, the referee shall establish procedures to prevent drafting if more than two swimmers are competing per lane.

306.5 Timing

306.5.1 A stopwatch or electronic timing system shall be used to time the event.

306.5.2 Cumulative split times must be recorded to the nearest second.

306.5.3 When a final time has been submitted to the nearest second, .99 second shall be added to the time submitted. When a final time has been submitted to the nearest tenth of a second, .09 second shall be added to the time submitted.

306.6 Determining Distances in Time-Based Events

- 306.6.1** Distances shall be determined by multiplying the total lengths swum by the length of the pool and adding the last completed 5-yard/meter increment.
- 306.6.2** If the size of the pool is not designated, all distances shall be reported in yards.
- 306.6.3** If distances are to be reported in yards and the event is swum in a metric pool, the distances shall be determined to the last completed meter, converted to yards by multiplying 1.0936 times the number of meters completed and rounding off the distance to the last completed 5-yard increment.

306.7 Determining Times in Short-Course Distance-Based Events

- 306.7.1** Swimmers may choose to swim events in 25-meter pools, swimming the same nominal number of meters as yards.
- 306.7.2** Times done in 25-meter pools shall be reported as if swum in a 25-yard pool, by dividing times by 1.0936 and integrating them with 25-yard times.

306.8 Integrity of Results in Postal Events

- 306.8.1** Each entrant in a postal event shall be responsible for the validity of the split times and/or the time/distance submitted.
- 306.8.2** Event directors shall have the discretion to request additional verification of completion from any entrant and may request the Long Distance Committee chair to refuse to accept, or disqualify, any entry that appears to contain erroneous information.

306.9 Determination of Place

- 306.9.1** In distance-based events, the person swimming the fastest time shall be declared the winner.
- 306.9.2** In time-based events, the person swimming the farthest shall be declared the winner.
- 306.9.3** If two or more swimmers swim the same distance or achieve the same time, a tie shall be declared.

**ARTICLE 307:
Open Water and
Long Distance National Championships**

307.1 Rules

Open water and long distance championship events shall be governed by articles 301, 302, 303, 305 and 306. In addition, the following rules apply specifically to championships.

307.2 Open Water and Long Distance Championship Events

- 307.2.1** At the discretion of the Long Distance Committee, open water national championships may be awarded in a form determined in the best interest of USMS open water swimming, including:
- A** Individual championships distributed across the country.
 - B** Multi-championship swim festivals.
 - C** A combination of A and B as deemed appropriate.

D Any other configuration that enhances the value of USMS open water championships.

307.2.2 At the discretion of the Long Distance Committee, national championship events may be awarded in the following categories:

A One mile (quarter-mile straightaway or open water course)

B Two miles (quarter-mile straightaway)

C Open water (greater than 1 and less than or equal to 3 miles)

D Open water (greater than 3 and less than 6 miles)

E Open water (greater than or equal to 6 miles and less than 9 miles)

F Open water (greater than or equal to 9 miles)

G Postal one hour (in a pool 25 yards or longer)

H Postal 5 and 10 kilometer (each event swum separately in a 50-meter pool)

I Postal 3000 and 6000 yard (each event swum separately in a 25-yard or 25-meter pool)

J Other national championship events and distances may be awarded at the discretion of the Long Distance Committee chair.

307.2.3 Rules Pertaining to Cumulative Relays

A Cumulative relay competitions shall be contested in postal championships and may be contested in other championships. Recognized relays shall be three-person women and men's relays and four-person mixed gender relays with two women and two men. Exceptions for open water national championships may be granted by the Long Distance Committee chair.

B Age groups for relay swims shall be the same as those listed in article 303.1.3B.

C All team members shall be from the same USMS-registered club.

D All relay members shall also be entered in the individual event. Exceptions for open water events only are at the discretion of the event direction and with the approval of the Long Distance Committee Chair.

E Competitors shall be allowed to swim in only one same-gender and one mixed-gender relay event per event.

F The age of the youngest relay member determines the age group of the relay: 18+, 25+, 35+... 95+.

G A swimmer who ages up during the duration of an event and swims the individual event twice may swim on one same-gender and one mixed-gender relay in each age group.

307.3 Site Selection

The manner of site selection for national championships shall be at the discretion of the Long Distance Committee and shall depend upon the championship structure chosen under article 307.2. Should a bidding system be selected, it shall be accomplished in the following manner.

307.3.1 Bids shall be due, in writing, to the Long Distance Committee chair no later than 45 days prior to the annual meeting.

- 307.3.2** Championships shall be awarded by the Long Distance Committee, typically at the annual meeting, one to three years prior to the championship being held.
- 307.3.3** Events not awarded at the annual meeting may be awarded by the Long Distance Committee chair.
- 307.3.4** Suitable bids shall comply with all applicable USMS swimming and open water and long distance rules, policies and procedures.
- 307.3.5** A three-area award system may be followed for the bidding of open water championships. (See Appendix D for map and description of areas.)
In this system, suitable bids from a qualifying area shall receive preference over bids from other areas.
- 307.3.6** Postal national championships may be awarded to an organization for consecutive years.

National Championship Bid Rotation			
Year	Area 1 West	Area 2 Central	Area 3 East
2013	Open water >1/≤3 mile Open water >9 mile	2 mile cable Open water ≥ 6/<9 mile	1 mile Open water > 3/<6 mile
2014	1 mile Open water >3/<6 mile	Open water >1/≤3 mile Open water >9 mile	2 mile cable Open water ≥6/<9 mile
2015	2 mile cable Open water ≥6 mile	1 mile Open water > 3/<6 mile	Open water > 1/≤3 mile Open Water > 9 mile

307.4 Contract

A representative of the sponsoring organization that is the successful bidder of an open water and long distance championship event shall sign a written contract with USMS, which specifies the responsibilities of the event host and of USMS.

307.5 Financial

- 307.5.1** The sponsoring organization shall agree to underwrite the full event expenses, including but not limited to the following:
- A** Costs associated with the event (setting up the course, supplies, equipment, etc.).
 - B** Cost of all national championship event awards (medals and patches) and/or other appropriate awards.
 - C** A fee per individual entrant in the event and a performance bond shall be paid to USMS. All or a portion of the performance bond shall be returned to the sponsoring organization, based upon compliance with the conditions set forth in the event contract.
 - D** Any other costs that may be reflected in national championship event contracts.
- 307.5.2** Complete financial statements shall be forwarded to the Long Distance Committee chair after completion of the event in accordance with the championship forms provided.

307.6

307.6 Entry Fee

The entry fees for open water and postal national championships shall be approved by the Long Distance Committee.

307.7 Rules of Conduct

307.7.1 Event Director—The event director shall follow the applicable swimming and open water and long distance rules of USMS and the policies and procedures established by the Long Distance Committee with regard to the planning and execution of the requirements for a national championship.

307.7.2 Entry Forms—Entry forms, including paper forms and forms used in the online entry system, shall be reviewed by a Long Distance Committee representative and the LMSC for content and sanctioning prior to distribution in accordance with the USMS contract.

307.7.3 Officials—In addition to the officials required by article 303.8, the following officials are required for national championship events:

A The Long Distance Committee shall appoint an event liaison to assist the event director in planning, to ensure that the event is conducted in accordance with the contract, to ensure that all rules are observed and to evaluate the event.

B For open water events, a turn judge shall be located at each change of direction in the course. The turn judge shall:

- (1) Be positioned on shore or on the water in clear view of the turn to ensure that all swimmers complete the turn as indicated in the competition information documents and as directed at the pre-race briefing,
- (2) Record any violation of the turn procedures and
- (3) Report such violation to the referee.

307.7.4 Individual Age Groups—Age groups in individual open water swims for men and women shall be 18–24, 25–29, 30–34 ... (five-year age groups as high as necessary).

307.7.5 Relay Age Groups—Age groups in relay open water swims for men, women and mixed relays shall be 18+, 25+... (10-year age groups as high as necessary), the age of the youngest relay member determining the age group.

307.7.6 Swimwear

A Only swimmers wearing category I swimwear as defined in articles 303.7.1 and 303.7.2 may compete in national championship swims.

B At the discretion of the event director, swimmers wearing category II swimwear as defined in articles 303.7.1 and 303.7.3 may participate in events containing national championship swims, but shall be excluded for the purposes of articles 307.8 through 308.1. In addition, category II competitors shall have a separate start time.

307.7.7 Assistance During the Race

A Feeding is permissible, but use of alcohol or illegal drugs is forbidden.

B Escort craft may be permitted by the event director under the conditions in article 303.3.

307.7.8 Protests—Any protest arising from a competition shall be made to the event director within 30 minutes after the release of results for an open water event or 14 days after the release of results for a postal event. If the protest is not resolved, the protester may appeal in writing within 10 days for adjudication to the Long Distance Committee chair.

307.8 Results

Individual and relay results and records (when appropriate) shall be tabulated and distributed to the Long Distance Committee chair and all participants in the event. Date of birth shall not be included in published results or results distributed to participants.

307.8.1 Individual results shall be tabulated electronically by gender and age group in order of finish. Women's results shall be shown first, followed by men's results. For each swimmer, the following information must be reported in this order:

A Age group place

B Swimmer's name (last name first, as it appears on the USMS membership card)

C Age

D Club (official USMS club abbreviation)

E USMS number

F Official time/distance

G Special information (national records, overall place, place among gender, etc.).

307.8.2 Relay results shall be tabulated electronically by gender and age group in order of finish. Women's results shall be shown first, followed by men's results, then mixed-gender relays last. For each relay, the following information must be reported in the order designated on the results forms in the championship packet for that event:

A Age group place

B Team's full name (USMS club followed by blank, A, B, etc.)

C Official time/distance for the team

D Names, ages and official time/distance for each member of the team.

307.9 Club Scoring

Club scores shall be officially tallied for national championship postal events. At the discretion of the event director, club scoring may be officially tallied for national championship open water events.

307.9.1 Scoring

A Club scoring for the one-hour swim shall be calculated based on total club yardage for individual swims.

B Club point scoring for the 3000 and 6000 yard and 5K and 10K postal national championships shall be calculated based on a predetermined formula, approved by the Long Distance Committee, to fit the age group national record times for each gender.

C Club scoring for the other national championships shall be calculated based on point value for placing in individual swims. Points shall be scored to 10 places (11-9-8-7-6-5-4-3-2-1).

307.9.2 Categories—Club scoring shall be tabulated for women's, men's and combined categories.

307.9.3 Divisions—Up to four divisions may be recognized for purposes of club scoring based on the number of swimmers entered from each club in the event. The number of entrants from a club that shall constitute division I (very large), division II (large), division III (medium) and division IV (small) shall be determined by the Long Distance Committee chair and the event director after the event entry deadline.

307.10 Awards

307.10.1 National championship medals or other appropriate awards approved by the Long Distance Committee chair shall be awarded at least to the first six place winners of individual championships in each age group.

307.10.2 National championship medals or other appropriate awards approved by the Long Distance Committee chair shall be awarded to the members of at least the first three place winners of relay championships in each age group.

307.10.3 A USMS championship patch shall be awarded to each individual champion and each scoring member of a championship relay. An individual champion shall receive only one patch per event.

307.10.4 Appropriate awards approved by the Long Distance Committee chair may be awarded to the first, second and third place club winners in each division if warranted by the size of the event entry. Club awards are not required.

307.11 All-American

307.11.1 The highest placing USMS member in each age group of each individual open water and long distance pool national championship event shall qualify as a USMS Long Distance All-American for the calendar year in which the event was conducted.

307.11.2 The members of the highest placing USMS team in each age group of each open water and long distance pool national championship event shall qualify as USMS Long Distance Relay All-Americans.

307.11.3 The event director shall submit the name, age, date of birth, club affiliation, time or distance, and USMS membership number for each competitor achieving All-American status to the Long Distance Committee chair in accordance with the USMS event contract.

307.12 All-Star Team

A USMS All-Star Team shall be selected each calendar year from the official results of the USMS open water and long distance national championship events.

307.12.1 A swimmer shall earn points for a top 10 finish in each open water and long distance national championship event in the following manner: 1st: 22 points, 2nd: 18 points, 3rd: 16 points, 4th: 14 points, 5th: 12 points, 6th: 10 points, 7th: 8 points, 8th: 6 points, 9th: 4 points, 10th: 2 points.

307.12.2 To be considered for the All-Star Team, a swimmer shall compete in at least three events, of which one shall be an open water event and one shall be a postal event.

- 307.12.3** If a swimmer scores points in one age group and ages up to another age group in the course of a year, the points earned shall be transferred up to the new age group. If a swimmer swims the same event in two different age groups, only the higher finish will be counted.
- 307.12.4** Ties shall be allowed.

ARTICLE 308: Records

308.1 Records

- 308.1.1** Individual national records will be maintained in quarter-mile straightaway swims (1-mile and 2-mile) and time/distance pool events (one-hour, 3000-yard, 6000-yard, and 5- and 10-kilometer postal). Relay national records shall be maintained in all of these quarter-mile straightaway swims and long-distance pool events. The records shall be for three-person men's and women's relays and four-person mixed relays.
- 308.1.2** To be considered for a national record, individual participants and relays must enter and complete the swim in a sanctioned event with results routed through the event host to the Long Distance Committee chair.
- 308.1.3** With the exception of the quarter-mile straightaway swims specified in article 307.2.2, no national records will be maintained in open water events due to differences in courses, currents and other physical factors.
- 308.1.4** Open water and long distance records shall only be permitted from events conducted in compliance with articles 307.7.3B and 307.7.6A of the USMS rule book.
- 308.1.5** When a record attempt has been timed to the nearest second, .99 second shall be added to the time submitted. When a record attempt has been timed to the nearest tenth of a second, .09 second shall be added to the time submitted.
- 308.1.6** Long distance national records for cable swims may not be established by using a swimmer's split time in an individual event.
- 308.1.7** Long distance national records for postal swims may be established by using a swimmer's split time in an individual event if:
- A** The split is swum as an initial distance within a scheduled event,
 - B** The swimmer completes the full distance of the scheduled event without being disqualified,
 - C** The intent to record a split time is brought to the attention, in writing, of the event director at the time of entry in the longer event and
 - D** At least two dedicated handheld watches are used to record the record split.
- 308.1.8** Split times from individual postal events may not be used:
- A** As part of a relay entry into a separate relay postal event of a shorter distance
 - B** For entry into a separate individual postal event of a shorter distance.

Notes



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PART 4: PARTICIPATION, CONDUCT, HEARINGS AND APPEALS

ARTICLE 401: Participation

401.1 Protection

USMS and its LMSCs shall respect and protect the opportunity of every eligible individual to participate in USMS administrative activities and sanctioned or recognized events.

401.2 Participation

No member of USMS or any organization associated with USMS may deny or threaten to deny any eligible individual the opportunity to participate in USMS administrative activities and sanctioned or recognized events without just cause. It is not a violation of this article to restrict an individual's eligibility based on one or more of the following:

401.2.1 The individual's age

401.2.2 Membership in the organization that is conducting the event

401.2.3 Qualifying times.

Any member or eligible individual who alleges that the opportunity to participate has been denied or is about to be denied by an individual or organization associated with USMS shall follow the procedures set forth in article 102.14.2 or article 403, as applicable, to seek redress for the alleged violation of opportunity.

ARTICLE 402: Conduct of Members

402.1 Standards Of Conduct

The mission of USMS is to promote fitness and health in adults by offering and supporting Masters swimming programs. The opportunity to participate in Masters swimming is made possible by USMS. Members accept that this opportunity to participate is a privilege and as such shall conduct themselves with integrity and in a sporting manner. In matters relating to Masters swimming, members shall respect and protect the privileges of others who share this mission; therefore, the privileges of membership and participation may be withdrawn or denied if the conduct of a member or prospective member is inconsistent with the mission of the organization or the best interest of the sport and those who participate in it.

402.2 Compliance With Rules and Regulations

It shall be the responsibility of all members to comply with the rules and regulations of USMS and the applicable rules, constitution and bureau decisions of FINA.

402.3

402.3 Enforcement

Any prospective member may be denied membership, and any member may be denied membership, censured, placed on probation, suspended, fined or expelled from USMS if such member engages in any unsporting conduct listed in article 402.4.

402.4 Unsporting Conduct

The following shall be considered unsporting conduct as it relates to Part 4:

402.4.1 Violation of the opportunity to participate, as set forth in article 401.

402.4.2 Discrimination in violation of article 501.3.

402.4.3 Any act of fraud, deception or dishonesty in connection with any USMS related activity.

402.4.4 Knowingly providing false information including name, date of birth, age or gender on USMS membership applications or meet entries.

402.4.5 Any nonconsensual physical contact, obscene language or gesture, or other threatening language or conduct directed toward meet personnel, in connection with a USMS event.

402.4.6 Any nonconsensual sexual conduct, pattern of unwelcome sexual advances or other inappropriate sexually oriented behavior or action by a USMS member toward a member or any other person participating in any capacity whatsoever in the affairs or activities of USMS.

402.4.7 Any act, conduct or omission that is detrimental to the image or reputation of USMS, an LMSC or the sport of swimming.

402.4.8 Aiding or abetting another to engage in any of the foregoing violations.

ARTICLE 403: Hearings and Appeals

403.1 General Jurisdiction

As provided herein, USMS may deny membership, censure, place on probation, suspend, fine or expel any member or any person participating in the affairs of USMS who has engaged in any of the unsporting conduct listed in article 402.4.

403.2 Jurisdiction of the LMSC

Disputes arising within a single LMSC and not brought by USMS shall be filed directly with such LMSC and handled pursuant to LMSC rules and procedures. Any appeal of the LMSC's decision shall be made to the National Board of Review.

403.3 National Board of Review

The National Board of Review shall be composed of a chair and a pool of potential hearing panel members, all of whom shall be USMS members. The National Board of Review chair shall be appointed by the USMS president. The pool of potential hearing panel members shall be appointed by the chair. The Board of Directors shall approve the appointment of the chair and the pool of potential hearing panel members. The term of the chair shall be two years, with no limit to the number of terms of service.

403.4 Jurisdiction of the National Board Of Review

403.4.1 The National Board of Review has original and exclusive jurisdiction to hear:

- A Any complaint from members of USMS where more than one LMSC is involved.
- B Any complaint of violation of article 402.4.4, providing false information.
- C Any complaint initiated by USMS.

Upon a majority vote of the Executive Committee, the National Board of Review may be assigned exclusive and immediate jurisdiction at any stage of any matter within the purview of this article 403 to serve the best interests of Masters swimming.

403.4.2 The National Board of Review has appellate jurisdiction to hear appeals of LMSC decisions.

403.4.3 Matters of jurisdiction to the National Board of Review shall be initiated by a written grievance served upon the National Office accompanied by the filing fee. The written grievance shall set forth all parties against which the grievance is filed (respondents) and shall state the grounds for the grievance, citing factual and legal issues in as much detail as possible. Instructions on how to file a grievance may be obtained from the National Office.

403.5 Authority of the National Board of Review

The National Board of Review, through its hearing panels, in hearing grievances and appeals of LMSC decisions has the authority to:

- 403.5.1** Impose and enforce penalties for any violation of the rules and regulations, administrative or technical, of USMS.
- 403.5.2** Determine the eligibility and right to participate of any member or individual.
- 403.5.3** Vacate, modify, sustain, reverse or stay any decision or order properly submitted for review, or remand the matter for further action.
- 403.5.4** Investigate any alleged election impropriety.
- 403.5.5** Interpret any provision of the rules and regulations of USMS, with the exception of the rules of competition, which the National Board of Review shall defer to the USMS Rules (Part 1) or Long Distance (Part 3) Committees.
- 403.5.6** Review any revocation, suspension, reinstatement of membership or challenge to the granting or denial of membership.
- 403.5.7** Issue such interim orders as may be necessary pending a final decision of the National Board of Review.
- 403.5.8** Require the production of any available evidence bearing on an alleged violation.
- 403.5.9** Take testimony from witnesses.
- 403.5.10** Transcribe the National Board of Review hearings.
- 403.5.11** Assess costs and fees against one or more parties, and refund filing fees.

403.6 Authority of the National Board of Review Chair

With regard to matters within the original or appellate jurisdiction of the National Board of Review, the National Board of Review chair has the authority to:

- 403.6.1** Initiate an investigation into the alleged misconduct, as described in a written grievance or appeal.

403.6

- 403.6.2 Dismiss a grievance or appeal determined to be without merit, with the concurrence of the USMS president.
- 403.6.3 Refer a grievance or an appeal of an LMSC decision back to the LMSC.
- 403.6.4 Mediate or delegate the mediation of a grievance or appeal.
- 403.6.5 Appoint a hearing panel, drawn from the hearing panel pool, consisting of not less than three members to conduct a formal hearing to decide a grievance or appeal.

403.7 Appeal of LMSC Decision to the National Board of Review

- 403.7.1 Decisions rendered by an LMSC may be appealed to the National Board of Review.
- 403.7.2 The petition for appeal shall be served upon the National Office within 30 days of the postmark date of the mailing of the LMSC's written decision and shall be accompanied by the filing fee. The petition shall set forth the grounds for appeal, citing factual and legal issues in as much detail as possible.
- 403.7.3 In appeals from LMSC decisions, the National Board of Review chair shall exercise the authority detailed in article 403.6.

403.8 Hearing Panel Procedure

If, pursuant to the authority in article 403.6, the chair chooses to appoint a hearing panel to decide a matter, the following procedure shall be used:

- 403.8.1 The chair shall set a hearing date, which shall be 50 to 75 days from the postmark date of mailing the notice of hearing.
- 403.8.2 The chair shall mail the notice of hearing, together with a copy of the written grievance received by the National Office, to the respondents.
- 403.8.3 The respondents shall have 30 days from the postmark date of mailing to submit a written response to the charges. The response shall be mailed to the chair and the grievant.
- 403.8.4 The grievant shall have 10 days from the postmark date of mailing of the response to submit a written rebuttal. The written rebuttal shall be mailed to the chair and the respondents.
- 403.8.5 At the hearing panel's discretion, a decision may be rendered based solely on the written submissions. A written decision shall be mailed to the parties and shall inform the parties that an appeal to the Board of Directors is available.
- 403.8.6 Conduct for all hearings shall be in accordance with policies and procedures of the National Board of Review. The grievant and respondents shall be provided copies of these policies and procedures by the chair.
- 403.8.7 A written decision shall be rendered by the hearing panel and shall be mailed to the parties within seven days after the hearing. The written decision shall set forth the right of appeal.
- 403.8.8 Upon the request of either party for good cause shown or the determination of the hearing panel, the hearing may be held in private.
- 403.8.9 The hearing panel shall have the authority to stay the enforcement of its decision during the time allowed for appeal of the decision, with the decision going into effect automatically if no timely appeal is filed.

403.8.10 All mailings and other correspondence from the grievant, respondent and any witnesses shall be made as prescribed by the chair.

403.9 Appeal to the Board of Directors

Any person directly affected by the National Board of Review's decision may appeal to the Board of Directors for review of any decision of the National Board of Review within 30 days of the postmark date of the mailing of the National Board of Review's written decision.

403.9.1 The petition for appeal shall be served upon the National Office and shall be accompanied by the filing fee. The petition shall set forth the grounds for appeal, citing factual and legal issues in as much detail as possible.

403.9.2 The USMS president and National Board of Review chair shall select, from the Board of Directors, a board panel chair and four additional board panel members to hear the appeal.

403.9.3 The National Office shall send a copy of the petition for appeal to the respondent and all members of the board panel. The respondent shall then have 30 days from the postmark date of mailing of the petition to file a written response with the board panel chair and the grievant. The board panel chair may decrease or increase the time limits for any of the foregoing, upon request of either party on a showing of good cause.

403.9.4 The board panel may assess costs and fees against any or all named parties.

403.9.5 The review by the board panel shall be on the basis of the record from the National Board of Review and written briefs and shall not include new evidence. However, by majority vote, the board panel may decide to take new evidence and hear testimony.

403.9.6 The board panel shall render a final and binding decision within 75 days from the appeal filing date. A written decision shall be sent to all parties.

403.10 Documentation

The National Office shall maintain a permanent file of all physical evidence and written decisions pertaining to any matter that was reviewed by the National Board of Review or the Board of Directors pursuant to Part 4. That file shall be retained for at least 10 years after the date of any final decision or withdrawal of any matter brought under Part 4.

403.11 Filing Fee

The Board of Directors shall establish fees for filing grievances with the National Board of Review and for filing appeals with the National Board of Review and the Board of Directors.

403.12 Recognition and Enforcement

Final decisions rendered by the National Board of Review or the Board of Directors pursuant to Part 4 shall, when applicable, be recognized and fully enforced.

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PART 5: UNITED STATES MASTERS SWIMMING INC.: ORGANIZATION AND BYLAWS

ARTICLE 501: Membership

501.1 Membership Categories

The membership of United States Masters Swimming Inc., hereinafter sometimes referred to as USMS, shall consist of the following categories:

501.1.1 Club—Clubs that register with USMS through an LMSC.

501.1.2 Individual—Individuals who register with USMS through an LMSC.

501.1.3 Affiliate—Organizations that have an interest in Masters swimming. Organizations shall apply to the National Office for affiliate membership. Membership shall be granted or denied by the Board of Directors and shall be coincident with the individual membership year. Dues for affiliate members shall be established by the Board and entitle each affiliate member to one nonvoting delegate to the House of Delegates. Additional nonvoting delegates may be granted by a majority vote of the Board.

501.1.4 Allied—Organizations that have an interest in Masters swimming and also have a national swimming program, national competition that provides for athlete development, due process, a rule book and an officials training program. Organizations shall apply to the National Office for allied membership. Membership shall be granted or denied by the Board of Directors and shall be coincident with the individual membership year. Dues for allied members shall be established by the Board and entitle each allied member to one nonvoting seat on the Board of Directors and one nonvoting delegate to the House of Delegates. Additional nonvoting delegates may be granted by a majority vote of the Board.

501.1.5 Other—Any organization that is interested in swimming on either the national or local level. The House of Delegates may establish classes for such membership.

501.2 Mandatory Memberships

All of the following shall hold individual memberships in USMS:

501.2.1 Members of the House of Delegates and Board of Directors.

501.2.2 Members of standing committees and ad hoc committees of USMS.

501.2.3 Members of the National Board of Review.

501.2.4 Appointees.

501.2.5 Officers and members of the board of directors of each LMSC.

501.3 Equal Opportunity

Membership in USMS shall not be denied by virtue of race, creed, gender, religion, political affiliation, disability, sexual orientation or national origin.

**ARTICLE 502:
Local Masters Swimming Committee (LMSC)**

The Local Masters Swimming Committee is a subordinate organization of the corporation with supervisory responsibilities within a specified geographical territory.

502.1 LMSC Membership

Each LMSC shall consist of individual members and club members registered through that LMSC. An LMSC shall not place any restrictions on the formation of clubs.

502.2 Bylaws

Each LMSC shall be governed by bylaws that are consistent with USMS objectives and goals.

502.3 Annual Meeting

Each LMSC shall hold an annual meeting open to all individual members of the LMSC.

502.4 Election Of Officers

Each LMSC shall provide for periodic election of officers in its bylaws.

502.5 Filing of Bylaws

Each LMSC shall file a copy of its current bylaws with the USMS National Office.

502.6 Boundary Descriptions

Appendix D contains official names and boundary descriptions for each LMSC.

502.7 Records and Record Keeping

Each LMSC shall comply with the financial record-keeping and reporting requirements of USMS. The LMSC shall forward to the USMS National Office the minutes of the annual meeting and annual financial reports within four months of the end of the LMSC's fiscal year.

502.8 Financial Controls

LMSC funds shall not be commingled with funds of USMS clubs, individual members or any other person or entity.

502.9 LMSC Championship Meets

Each LMSC may conduct championship meets, but pool meets identified as such should not be scheduled beginning the weekend before, through and including the weekend following the USMS short course and long course national championship meets.

502.10 LMSC Minimum Standards

Each LMSC shall meet minimum standards established by the USMS Board of Directors and published in the *USMS Policy Manual*.

ARTICLE 503: Zones

503.1 Zone Boundaries

Appendix D contains official names and boundary descriptions for each of the zones.

503.2 Zone Meetings

Each zone shall conduct a meeting in conjunction with the annual meeting of the House of Delegates. Meetings between the annual meetings of the House of Delegates may be called at the discretion of the zone chair or as indicated in zone policies. The zone chairs or designees shall preside at all meetings of their respective zones. Minutes of each meeting should be maintained and forwarded to the vice president of local operations.

503.3 Zone Chairs

503.3.1 Zone chairs shall be elected in odd-numbered years at the zone meeting held in conjunction with the annual meeting of the House of Delegates. The term of office shall be two years.

503.3.2 Zone chairs shall be residents and members of an LMSC in their respective zones.

503.3.3 If a vacancy in the position of zone chair occurs, the vice president of local operations shall consult with the chair of each LMSC in that zone and appoint a new or replacement zone chair, with the concurrence of the USMS president.

503.4 Zone Policies

Each zone may adopt and maintain policies that provide direction on such items as voting rights at meetings, budgets and financial records, zone championship meet conduct, zone records and Top 10.

503.5 Zone Championship Meets

Each zone may conduct zone championship meets that should not be scheduled from the weekend before, through the weekend following the USMS short course and long course national championship meets.

503.6 Communications

Zone chairs shall enhance communications among the LMSCs to promote Masters swimming within the zones.

ARTICLE 504: House of Delegates

504.1 Membership

The House of Delegates of USMS shall consist of the following:

504.1.1 One member from each LMSC. If the LMSC has over 300 individual members, it is entitled to one additional member. For each additional 500 individual members, the LMSC is entitled to one more member in the House of Delegates. Figures shall be determined by the records of the National Office for the previous year or June 15 of the current year, whichever is the greater.

504.1

- 504.1.2 All voting members of the Board of Directors.
- 504.1.3 All past presidents.
- 504.1.4 All zone chairs.
- 504.1.5 All voting members of the Finance, Legislation, Long Distance and Rules Committees, the chairs of all standing committees, the convention coordinator, the rule book coordinator, the legal counsel and the National Board of Review chair.
- 504.1.6 Nonvoting delegates from affiliate and allied members.
- 504.1.7 The president of USMS shall be empowered to appoint up to 10 percent of the total membership of the House of Delegates as at-large members of the House of Delegates.
- 504.1.8 All members of the House of Delegates shall remain until their successors are selected, except that membership may be terminated by resignation filed with the secretary.

504.2 Powers

The powers of the House of Delegates shall be as follows:

- 504.2.1 To determine the mission and objectives that shall govern USMS in all of its activities.
- 504.2.2 To delegate responsibility and authority to other USMS entities as prescribed in USMS code and by USMS policy.
- 504.2.3 The following powers are fully the responsibility of the House of Delegates and shall not be delegated:
 - A Elect officers and directors (**Note:** The nomination and election procedures may be delegated).
 - B Amend the *USMS Code of Regulations and Rules of Competition*.
 - C Review and approve the annual budget.
- 504.2.4 To admit to group membership or individual membership any organization or person eligible under this code and who applies.
- 504.2.5 To prescribe and amend the code for the governance of USMS.
- 504.2.6 To call regular and special meetings of USMS and to fix the time, place and manner for holding all meetings not fixed by this code.
- 504.2.7 To collect and expend the monies of USMS.
- 504.2.8 To create, modify or disband standing committees.
- 504.2.9 To alter, amend, repeal or otherwise change any provision of the *USMS Code of Regulations and Rules of Competition*. Explanation and interpretation shall be delegated to the chair and/or committee of jurisdiction.
- 504.2.10 To receive and approve all annual reports.

504.3 Meetings of the House of Delegates

- 504.3.1 The annual meeting of the House of Delegates shall be held at such time and place, within or without the state of Ohio, as may be fixed in the notice of such meeting.
- 504.3.2 Special meetings of the House of Delegates may be held at any time, pursuant to a resolution of either the Board of Directors or the House of Delegates.

- 504.3.3** A written notice of all annual and special meetings of the House of Delegates, stating the time, place and preliminary agenda, shall be given to each member of the House of Delegates by mail or electronic mail to each member's last known address at least three weeks prior to the meeting date.
- 504.3.4** Each member of the House of Delegates, except for the representatives of allied and affiliate members, shall have one vote on each matter submitted to the House of Delegates of USMS for vote, consent, waiver, release or other action. There shall be no voting by proxy.
- 504.3.5** A quorum shall consist of those members of the House of Delegates present and voting.

ARTICLE 505: Officers

505.1 Positions

The elected officers of USMS shall be president, vice president of administration, vice president of community services, vice president of local operations, vice president of programs, secretary and treasurer. No person may concurrently hold more than one such office. This amendment will take effect upon passage, at which time the vice president of national operations shall become the vice president of administration and the vice president of member services shall become the vice president of programs.

505.2 Elections and Term of Office

- 505.2.1** All officers of USMS shall be elected by the members of the House of Delegates at annual meetings held in odd-numbered years. Their terms of office shall commence at the close of the annual meeting of the House of Delegates at which they are elected.
- 505.2.2** Elected officers shall hold office for two years or until their successors are elected and qualified.
- 505.2.3** The current election operating guidelines shall govern the nomination and election proceedings.
- 505.2.4** Each officer is eligible for election to the same office for two terms. No person so elected for two successive terms is eligible for reelection to the same office until after the lapse of two years following the term of office to which that person was last elected.

505.3 Duties of Officers

The duties of the officers shall be as follows:

- 505.3.1** The president shall:
- A** Order meetings of USMS as provided in the code and preside at all meetings of USMS.
 - B** Exercise all the duties pertaining to this office in accordance with the code.
 - C** Serve as an ex officio member of all committees.
 - D** Make appointments as required in Part 5 and as necessary to carry out the business of the corporation.

- E** Serve as chair of the Board of Directors and the Executive Committee, and as the presiding officer of the House of Delegates.

505.3.2 The vice presidents shall:

- A** Chair their respective divisions.
- B** Coordinate their respective committees' activities and funding as set forth in article 507.

In the event the president is unable to perform assigned duties, the vice president of administration shall perform these duties or, if the vice president of administration is unable to perform such duties, they pass to the vice president of local operations.

505.3.3 The secretary shall make proper arrangements to:

- A** Keep the records of USMS and the House of Delegates.
- B** Conduct all official correspondence of USMS.
- C** Issue all official notices of all meetings of the House of Delegates and Board of Directors.
- D** Serve as secretary of the House of Delegates and Board of Directors.

505.3.4 The treasurer shall:

- A** Be the custodian of all corporate funds.
- B** Oversee the receipt of all USMS funds and all deposits to the accounts of USMS.
- C** Oversee the disbursement of USMS funds as authorized in accordance with the budget.
- D** Invest USMS funds in a prudent manner for the benefit of USMS, in accordance with the investment policies established by the Board of Directors.
- E** Oversee the maintenance of accurate and reliable financial records that document the receipt and disbursement of USMS funds.
- F** Ensure that internal accounting controls are in place to protect USMS assets.

ARTICLE 506: Board Of Directors

506.1 Membership

506.1.1 The voting members of the Board of Directors of this corporation shall consist of:

- A** Each voting member of the Executive Committee.
- B** An at-large director from each zone, nominated by that zone and elected by the House of Delegates.

506.1.2 The nonvoting members of the Board of Directors shall consist of the executive director, legal counsel, all past presidents not already voting members, a representative of each allied organization (as approved by the Board of Directors), and a representative from USA Swimming.

506.2 Election and Term of Office of At-Large Directors

- 506.2.1** At-large directors shall be elected at annual meetings held in even-numbered years. Their terms of office shall commence at the close of the annual meeting of the House of Delegates at which they are elected.
- 506.2.2** At-large directors shall hold office for two years or until their successors are elected.
- 506.2.3** The current election operating guidelines shall govern the nomination and election proceedings.
- 506.2.4** Each at-large director is eligible for election to the same office for two consecutive terms. No person so elected for two successive terms is eligible for reelection to the same position until after the lapse of two years following the term of office to which that person was last elected.

506.3 Powers

The powers of the Board of Directors shall be:

- 506.3.1** To act for USMS and the House of Delegates between meetings of the House of Delegates, except that it shall not have the authority to assume the non-delegable powers of the House of Delegates set forth in article 504.2.3.
- 506.3.2** To adopt and amend policies of USMS.
- 506.3.3** To create, modify or disband committees of the Board.
- 506.3.4** To provide for efficient and effective use of financial and other resources.
- 506.3.5** To prepare or cause to be prepared, prior to each annual meeting, the USMS budget for the next fiscal period and submit same to the House of Delegates for approval.
- 506.3.6** To consider and make determinations regarding budget variance requests.
- 506.3.7** To employ, evaluate and terminate an executive director, who shall report to the Board of Directors.
- 506.3.8** To oversee elections of officers and Board members, in accordance with election operating guidelines. Conduct of elections of officers and Board members shall be delegated to an ad hoc committee composed of at least three members of the House of Delegates, none of whom have conflicts of interest with such elections.
- 506.3.9** To exercise the emergency power to adopt or suspend any swimming rule (Part 1 or Part 3) or administrative regulations of competition (Part 2) provided that the Board, with the advice and consent of the Rules Committee for Part 1, Legislation Committee for Part 2, Long Distance Committee for Part 3 and legal counsel, determines that immediate action is required to serve the interests of USMS. An action taken under this emergency provision shall be effective until the next meeting of the House of Delegates. The president shall make a detailed report of the actions taken to the entire membership of the House of Delegates within 30 days of the action taken.

506.4 Meetings

A minimum of two meetings of the Board of Directors shall be held each year (one at the annual meeting of the House of Delegates and one midyear). Meetings held by conference call shall be held on a regular basis. Other meetings of the Board of Directors shall be held at any time or place, within or without the state of Ohio, pursuant to

a resolution of the Board of Directors or to a call signed by the president or any three directors. Two weeks' written notice of such meeting shall be given to each director. Notice of any meeting may be waived in writing before such meeting. Special matters may be voted upon by the Board of Directors by mail, but no action can thus be taken without the endorsement of a majority of all directors.

506.5 Quorum

The presence of a majority of the directors with voting privileges shall constitute a quorum at any meeting of the Board of Directors.

506.6 Voting Privileges

Each voting member of the Board of Directors shall have one vote. The president may vote by ballot or when the vote could change the outcome. There shall be no voting by proxy.

506.7 Permanent Committees of the Board

There shall be permanent committees of the Board as set forth in this article. Unless otherwise stated in this article, the president, with the concurrence of the Board, shall appoint the committee chair and the members of each permanent committee. Committee members shall be chosen from the Board and shall also include at least one member of USMS not on the Board.

506.7.1 Finance Committee—The Finance Committee shall:

- A** Propose policies pertaining to the financial affairs of USMS for approval by the Board of Directors.
- B** Receive and review the reports of the treasurer and controller.
- C** Cause to be prepared a summary of the above reports to be presented to the Board of Directors.
- D** Annually receive and compile budget requests for the next fiscal year.
- E** Assist in the preparation of the USMS annual budget for the next fiscal period and submit same to the Board of Directors for approval and then to the House of Delegates for ratification.

506.7.2 Compensation and Benefits Committee—The Compensation and Benefits Committee shall assist the Board of Directors in setting the compensation and performance goals of the executive director and shall make recommendations to the Board of Directors regarding compensation and benefit plans, policies and programs for USMS.**506.7.3 Governance Committee** — The Governance Committee shall be responsible for ongoing review and recommendations to enhance the quality and future viability of the Board and the USMS governance structure, including committees and local and regional divisions of USMS. The committee shall be composed of Board and non-Board members with relevant involvement or expertise in governance and organizational development. The president shall appoint all committee members and a chair of the committee.**506.8 Executive Committee****506.8.1** The Executive Committee shall be a committee of the Board of Directors.**506.8.2** The voting members of the Executive Committee shall consist of:

- A** The officers of USMS.
- B** The immediate past president.

- 506.8.3** The nonvoting members of the Executive Committee shall consist of:
- A** The legal counsel.
 - B** The executive director.
- 506.8.4** The Executive Committee shall have the authority to:
- A** Carry out policies established by the Board of Directors.
 - B** In an emergency, assume the policy-making responsibilities of the Board of Directors. An action taken under this emergency provision shall be effective until the next meeting of the Board of Directors. The president shall make a detailed report of the actions taken to the entire membership of the Board of Directors within 30 days of the action taken.

506.9 Removal of Board Members

A voting director, including an officer, may be removed by the Board for failing to attend more than half of the Board meetings during any 12-month period, unless there are demonstrable extenuating circumstances to excuse the absences. Lacking such circumstances, the director shall be removed by a two-thirds vote of the Board. The director in question shall have no vote on such removal.

506.10 Vacancies

A vacancy in the position of a voting director, including an officer, may be filled for the remainder of the unexpired term by the Board of Directors. An appointed director/officer shall have full rights and responsibilities of the position/office.

ARTICLE 507: Committees and Appointments

507.1 Standing Committees

Standing committees shall be as listed in this article. Unless otherwise specified in this article, the president, with the concurrence of the Executive Committee, shall appoint the chair of each committee, and the president, with the concurrence of the committee chair, shall choose committee members from the individual membership of USMS. When practical, each committee shall have representation from each zone. Committee chairs and committee members shall serve at the pleasure of the president. Each standing committee shall report to an officer of the corporation, who shall be an ex officio member of that committee. Standing committees shall conduct business as necessary throughout the year and shall meet in conjunction with the annual meeting of the House of Delegates. Each committee member shall have one vote. The president may appoint associate members to committees that have reached their full membership. Associate members have participatory rights but no vote or automatic delegate status. The executive director or designee shall be an ex officio member of each standing committee. Associate and ex officio members shall have voice but no vote.

507.1.1 Championship Committee—The Championship Committee shall serve in an advisory capacity to national championship hosts and make recommendations and decisions that enhance the quality of championship meets. The committee, with the assistance of the USMS National Office staff, shall solicit and receive bid proposals. The committee shall review bid proposals and select sites for national championship meets. The committee shall consist of the committee chair and sufficient members to execute the committee function, including at least three members who have had experience in

overseeing a national championship meet and two members without such experience.

507.1.2 Coaches Committee—The Coaches Committee shall recruit, educate and support coaches for USMS members. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.1.3 Fitness Education Committee—The Fitness Education Committee shall promote the fitness, health and lifestyle benefits of Masters swimming. The committee may also offer programs to members for this purpose. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.1.4 History and Archives Committee—The History and Archives Committee shall record, collect and preserve documents, stories, photos, exhibits, oral histories and other memorabilia in an appropriate repository and in durable formats to ensure that the achievements of USMS and Masters swimmers will be maintained for posterity. The archived information shall be made available. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.1.5 Legislation Committee—The Legislation Committee may initiate and shall receive, consider and report proposed amendments with the committee’s recommendations at the annual meeting of the House of Delegates, in accordance with the provisions of Part 6, which includes proposed changes to: Code of Regulations, Organizing Principles, Glossary, Part 2: Administrative Regulations of Competition, Part 4: Participation, Conduct, Hearings and Appeals, Part 5: United States Masters Swimming Inc.: Organization and Bylaws, and Part 6: Amendment Procedures. When necessary, the committee shall interpret and render opinions regarding any provision of the rules and regulations of USMS within the committee’s jurisdiction as defined in article 601.1. The committee shall consist of the committee chair and sufficient members to execute the committee function, with at least one member from each zone, not to exceed 16 additional members. The Rules Committee chair and the rule book coordinator shall be ex officio members of the committee.

507.1.6 LMSC Development Committee—The LMSC Development Committee shall work to strengthen LMSC governance and operations by providing educational opportunities and mentoring for LMSC boards and officers. The committee shall provide support for LMSCs. The committee shall review and identify LMSCs that are not meeting LMSC minimum standards as defined by the Board of Directors and assist them in achieving compliance. The committee may consult with other committees, coordinators and special appointments as necessary for this purpose. The committee may initiate and shall receive, consider and report proposed amendments to Appendix D: Zone and LMSC Boundaries, with the committee’s recommendations, at the annual meeting of the House of Delegates, in accordance with the provisions of Part 6. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.1.7 Long Distance Committee—The Long Distance Committee shall oversee the rules and administration of open water and long distance events. The

committee shall solicit and review bid proposals and select the sites for the long distance championship events. The committee shall work in a coordinating and advisory capacity with event hosts and make recommendations to enhance the quality of long distance championship events. The committee shall maintain records and select the Long Distance All-American and Long Distance All-Star Teams. The committee shall assure that the competitive rules in Part 3 of the USMS rules and regulations provide for fair and equitable competition in the best interests of all USMS members and that these members are informed of current rules, interpretations and changes. The committee may initiate and shall accept, consider and report proposed amendments, with the committee's recommendations, at the annual meeting of the House of Delegates, in accordance with the provisions of Part 6. When necessary, the committee shall interpret and render opinions regarding any provision of the rules and regulations of USMS within the committee's jurisdiction as defined in article 601.1. The committee shall consist of the committee chair and no more than 16 additional members. The rule book coordinator and Open Water Committee chair shall be ex officio members of the committee.

- 507.1.8 Officials Committee**—The Officials Committee shall be responsible for conducting training, education and certification programs to ensure that the competitive program offered to USMS members is conducted with the highest standard of professional officiating and in full conformance with USMS rules and regulations. The committee shall consist of the committee chair and sufficient members to execute the committee function.
- 507.1.9 Open Water Committee**—The Open Water Committee shall promote the development of and participation in open water swimming. The committee shall develop educational resources for open water participants and event directors. The committee shall increase awareness about open water swimming and identify opportunities to promote USMS. The committee shall consist of the committee chair and sufficient members to execute the committee function. The Long Distance Committee chair shall be an ex officio member of the committee.
- 507.1.10 Recognition and Awards Committee**—The Recognition and Awards Committee shall promote recognition of service to USMS. The committee shall review and approve proposals for all official USMS service awards and ensure that a history of all service awards is maintained. The committee shall be involved in determining method of recognition and recipient selection when appropriate. The committee shall consist of the committee chair, at least four Ransom J. Arthur award recipients, representatives from the Coaches, Long Distance, Records and Tabulation and History and Archives Committees, and sufficient other members to execute the committee function.
- 507.1.11 Records and Tabulation Committee**—The Records and Tabulation Committee shall establish and maintain a standardized process of recording and verifying times and shall publish the Top 10 times, All-American and All-Star rosters, and USMS national records annually for each course. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.1.12 Registration Committee—The Registration Committee shall develop effective procedures for registering members and advise the Board of Directors on registration policies. Committee members shall assist LMSC registrars and communicate current policies and procedures. The committee shall consist of the committee chair, one member from each zone and one member-at-large.

507.1.13 Rules Committee—The Rules Committee shall assure that the competitive rules in Part 1 of the USMS rules and regulations provide for fair and equitable competition in the best interests of all USMS members and that members are informed of current rules, interpretation and changes. The Rules Committee may initiate and shall accept, consider and report proposed amendments, with the committee’s recommendations, at the annual meeting of the House of Delegates, in accordance with the provisions of Part 6. When necessary, the committee shall interpret and render opinions regarding any provision of the rules and regulations of USMS within the committee’s jurisdiction as defined in article 601.1. The committee shall consist of the committee chair and sufficient members to execute the committee function, with at least one member from each zone, not to exceed 16 additional members. The Legislation Committee chair, the rule book coordinator, the Officials Committee chair and the USA Swimming Rules and Regulations Committee chair shall be ex officio members of the committee.

507.1.14 Sports Medicine and Science Committee—The Sports Medicine and Science Committee shall educate members and the public on topics of sports medicine and science. The committee shall stimulate and encourage research pertaining to Masters swimming. The committee shall consist of the committee chair and sufficient members to execute the committee function.

507.2 Ad Hoc Committees

The president may establish other committees on an ad hoc basis that are deemed necessary to carry out the duties of the president. The president shall provide the Board of Directors a written description of the ad hoc committee’s purpose.

507.3 Appointments

507.3.1 Coordinators—The president, with the concurrence of the Executive Committee, shall appoint the coordinators. The Board of Directors may grant a coordinator the same rights and responsibilities as the chairs of standing committees. A coordinator, with the concurrence of the president, may appoint a working group to assist the coordinator.

A Convention coordinator—The convention coordinator shall cooperate with U.S. Aquatic Sports in the preparation of each year’s national convention and carry out the operational needs of the House of Delegates and its committees at convention.

B Rule book coordinator—The rule book coordinator shall design, ensure the accuracy of and produce the rule book and other materials or media, as approved by the House of Delegates. The rule book coordinator shall be an ex officio member of the Legislation, Long Distance and Rules Committees.

- 507.3.2 Legal counsel**—The president shall appoint the legal counsel. The legal counsel shall be an ex officio member of the Board of Directors, Executive Committee and Legislation Committee.
- 507.3.3 Special assignments**—The president may make special assignments that are deemed necessary to carry out the duties of the president and shall provide a written description of duties to the Board of Directors.
- 507.3.4 Liaisons**—The president may appoint liaisons to other organizations to further the interests of USMS. The president shall provide a written description of duties to the Board of Directors.

ARTICLE 508: Financial Policy

508.1 Fiscal Year

USMS shall have a one-year fiscal period for tax and accounting purposes commencing on the first day of January.

508.2 Fees

Fees shall be established by the House of Delegates.

508.3 Budget Requests

Requests for budget items or funding that are disapproved by the Board of Directors (or those not submitted to the Board of Directors) may be approved by the House of Delegates by a two-thirds vote.

ARTICLE 509: Parliamentary Authority

509.1 Parliamentary Authority

Unless otherwise specified, and subject to all standing rules, the current *Robert's Rules of Order* shall govern all USMS meetings and proceedings.

ARTICLE 510: Indemnification

510.1 Coverage

Each person who is or was a director, officer or employee of USMS (including the heirs, executors, administrators or estate of such person) shall be indemnified by USMS to the full extent permitted by the Nonprofit Corporation Law of the state of Ohio against any liability, cost or expense incurred in the capacity as director, officer or employee, or arising out of the status as a director, officer or employee (including serving at the request of USMS as a director, trustee, officer, employee or agent of another not-for-profit organization).

510.2 Insurance

USMS may maintain insurance, at its expense, to protect itself and any such person against any such liability, cost or expense. For the purpose of article 510, references to "USMS" include all constituents absorbed in a consolidation or merger as well as the resulting or surviving corporation.

**ARTICLE 511:
Dissolution**

If deemed advisable by the members, USMS may be dissolved pursuant to the applicable provision of the corporation laws of the state of Ohio.

511.1 Dissolution

Upon the dissolution of USMS, the Board of Directors shall, after paying or making provision for the payment of all the liabilities of USMS, dispose of all the assets of USMS exclusively for the purposes of USMS or to such organization or organizations organized and operated exclusively for charitable, educational, religious, literary or scientific purposes as shall qualify as exempt organizations under section 501(c)(3) of the Internal Revenue Code of 1986, as it may be amended.

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PART 6: AMENDMENT PROCEDURES

ARTICLE 601: Amendments

601.1 Committee Jurisdiction

- 601.1.1 Executive Committee**—Proposed changes to all other sections of the *USMS Code of Regulations and Rules of Competition* shall be considered by the Executive Committee or committee designated by the president. Such proposals are not subject to the provisions of articles 601.2, 601.3, 601.4 and 601.5.
- 601.1.2 Legislation Committee**—Proposed changes to the Code of Regulations (Organizing Principles, Glossary, Part 2: Administrative Regulations of Competition, Part 4: Athletes' Rights, Hearings and Appeals, Part 5: United States Masters Swimming Inc.: Organization and Bylaws, and Part 6: Amendment Procedures) shall be considered by the Legislation Committee for report and recommendation to the House of Delegates.
- 601.1.3 LMSC Development Committee**—Proposed changes to the Code of Regulations (Appendix D: Zone and LMSC Boundaries) shall be considered by the LMSC Development Committee for report and recommendation to the House of Delegates.
- 601.1.4 Long Distance Committee**—Proposed changes to Part 3: Open Water and Long Distance Swimming Rules and the Glossary shall be considered by the Long Distance Committee for report and recommendation to the House of Delegates.
- 601.1.5 Rules Committee**—Proposed changes to Part 1: Swimming Rules and the Glossary shall be considered by the Rules Committee for report and recommendation to the House of Delegates.

601.2 Submission of Proposed Amendments

- 601.2.1 Authorization**—Changes to the *USMS Code of Regulations and Rules of Competition* may be proposed only by an LMSC, a standing committee of the House of Delegates, the Board of Directors or the Executive Committee.
- 601.2.2 Format**—Proposed changes shall be in such form as to show the section as it will read if adopted, with any changes in language underlined if new and lined out if deleted.
- 601.2.3 Submission Deadline**—The deadline for changes submitted by an LMSC to the chair of the LMSC Development Committee is February 1. Proposed changes to the *USMS Code of Regulations and Rules of Competition* by an LMSC must be submitted to the chair of the Legislation, Long Distance or Rules Committee not later than July 10 to be considered as described in articles 601.4.1, 601.4.2 and 601.4.3. The Board of Directors, Executive

Committee or standing committees of the House of Delegates, may propose changes to the USMS code after July 10. Such proposed changes shall be considered by the committee of jurisdiction as emergency amendments as described in article 601.4.6, unless the committee of jurisdiction determines by two-thirds vote that the proposed changes should not be considered as emergency amendments. Such proposed changes will be amended in accordance with the voting requirements in articles 601.4.1, 601.4.2 or 601.4.3, as applicable.

601.2.4 Publication of Proposed Amendments—All proposed changes shall be published and distributed to each LMSC and each member of the House of Delegates not later than August 15.

601.3 Modification Of Proposed Amendments

Proposed amendments may be modified in any manner by the Legislation, LMSC Development, Long Distance or Rules Committee, where appropriate, while under consideration by said committee. Such modification must be germane to the subject matter and intent of the proposed change.

601.4 Adoption Of Proposed Amendments

The *USMS Code of Regulations and Rules of Competition* may only be altered, amended, repealed or otherwise changed at the annual meeting of the House of Delegates and only as follows:

601.4.1 Rules—In even-numbered years, Part 1 and the Glossary may be amended by a majority vote of the House of Delegates members present and voting if the proposed amendments are submitted to and recommended by the Rules Committee, or by a two-thirds vote of the House of Delegates members present and voting if the proposed amendments are submitted to and NOT recommended by the Rules Committee.

601.4.2 Long Distance—In even-numbered years, Part 3 and the Glossary may be amended by a majority vote of the House of Delegates members present and voting if the proposed amendments are submitted to and recommended by the Long Distance Committee, or by a two-thirds vote of the House of Delegates members present and voting if the proposed amendments are submitted to and NOT recommended by the Long Distance Committee.

601.4.3 Legislation—In odd-numbered years, the Organizing Principles, Glossary, Part 2, Part 4, Part 5 and Part 6 may be amended by a majority vote of the House of Delegates members present and voting if the proposed amendments are submitted to and recommended by the Legislation Committee, or by a two-thirds vote of the House of Delegates members present and voting if the proposed amendments are submitted to and NOT recommended by the Legislation Committee.

601.4.4 LMSC Development—In odd-numbered years, Appendix D may be amended by a majority vote of the House of Delegates members present and voting if the proposed amendments are submitted to and recommended by the LMSC Development Committee, or by a two-thirds vote of the House of Delegates members present and voting if the proposed amendments are submitted to and NOT recommended by the LMSC Development Committee.

601.4.5 Proposed Amendments Requiring Action of More Than One Committee—In any year, proposed amendments to the *USMS Code of Regulations and Rules of Competition* that fall within more than one jurisdiction, as described in articles 601.4.1, 601.4.2, 601.4.3 and 601.4.4, may be submitted as an indivisible package to be considered by the House of Delegates, subject to the following:

A Each and every committee under whose jurisdiction the amendment proposals fall votes by a two-thirds majority to accept the proposed amendments as a package to be considered in the whole.

B If the conditions of article 601.4.5A are met, the indivisible package may be approved by a majority vote of the House of Delegates members present and voting if recommended by all committees with jurisdiction, or by a two-thirds vote of the House of Delegates members present and voting if the indivisible package fails to receive the recommendation of all committees with jurisdiction.

601.4.6 Emergency Amendments—Emergency amendments (amendments not submitted in conformity with articles 601.4.1, 601.4.2 and 601.4.3) may be passed by a nine-tenths vote of the House of Delegates members present and voting if they are properly submitted to, deemed an emergency by and recommended by the appropriate governing committee as defined in article 601.1.

601.4.7 USA Swimming Amendments That Affect USMS Rules

A Amendments to USA Swimming articles 101, “Individual Strokes and Relays,” 102, “Conduct and Officiating of All Swimming Competition,” and 105, “Guidelines for Officiating Swimmers with a Disability in USA Swimming Meets,” shall automatically be adopted by USMS unless the USMS House of Delegates votes to reject those amendments. Votes to reject shall not be considered emergency amendments. Amendments to USA Swimming article 103, “Facility Standards,” may be recommended by the Rules Committee for adoption by the House of Delegates. Votes to accept shall not be considered emergency amendments.

B If amendments to USA Swimming articles 101 and 102 are adopted between the annual meetings of the House of Delegates, the corresponding portions of Part 1 shall automatically be adopted by USMS, except that such amendments may be altered, amended, repealed or changed by a nine-tenths vote of the Rules Committee and a majority vote of the Executive Committee.

601.4.8 FINA Masters Swimming Amendments That Affect USMS Rules—If amendments to the FINA Masters Technical Rules are adopted between the annual meetings of the House of Delegates, the corresponding portions of Part 1 shall be automatically adopted by USMS, except that such amendments may be altered, amended, repealed or changed by a nine-tenths vote of the Rules Committee and a majority vote of the Executive Committee.

601.5 Effective Date

Unless otherwise specified, all changes approved as prescribed shall become effective on January 1 of the year following their adoption.

Summary of Amendment Procedures		
	Even Years	Odd Years
Rules (Part 1 and Glossary)		
If recommended by committee	Majority	*
If NOT recommended by committee	2/3	
Long Distance (Part 3 and Glossary)		
If recommended by committee	Majority	*
If NOT recommended by committee	2/3	
Legislation (Organizing Principles, Glossary, Part 2, Part 4, Part 5 and Part 6)		
If recommended by committee	*	Majority
If NOT recommended by committee		2/3
LMSC Development (Appendix D)		
If recommended by committee	*	Majority
If NOT recommended by committee		2/3
* Emergency Amendments: by a 9/10 vote ONLY if properly submitted to, deemed an emergency by, and recommended by the appropriate committee.		

In Memoriam

Monroe Allen (New England)	(Potomac Valley)
Ned Allen (Florida)	Monte Lyons (Alaska)
Steve Allen (Oklahoma)	Suzanne McGaughey (Florida)
Lee Arth (San Diego-Imperial)	Marybeth McGill (Illinois)
Howard Baetzhold (Indiana)	Guy Merchant
Robert Banfield	(Southern Pacific)
(South Carolina)	Peony Munger
Mary Stuart Bland (Georgia)	(Inland Northwest)
George Bole (Florida)	Richard Munger
Seneca “Skip” Burr (Pacific)	(Inland Northwest)
Claire Chapin (Pacific)	Heather Newport (Southern)
Ann Champ (Florida)	Edward Ouimette
Raymond Chen	(New England)
(Potomac Valley)	Bill Page (Pacific)
Frank Clark (Potomac Valley)	Ross Randal (Florida)
Margie Crisp (Indiana)	Marcia Read (Potomac Valley)
Edward Curtis (Connecticut)	Thomas Schardt (Michigan)
Phil Delucchi (North Texas)	Pickett Simpson (Adirondack)
Beth Emery (Ohio)	Joan Smith (Pacific)
Norman Garsoe	Joel Sterling (Metropolitan)
(Delaware Valley)	Lavelle Stoinoff (Oregon)
David Gifford (Florida)	Forrest Sullivan (Virginia)
William Grant, Jr. (Ozark)	Kerry Sussex
Donald Hannam	(Pacific Northwest)
(Potomac Valley)	Eunice Tey (Potomac Valley)
Andrew Holden (Oregon)	Jack Truby (Colorado)
Denny Johnson (Minnesota)	Vinus Van Baalen (Florida)
Burriss Lamar (Connecticut)	Virginia Pietz Van Rossen
Candace Lang (Georgia)	(Oregon)
Kelley Lemmon, Jr.	Dick Webber (North Carolina)

ES//PRINTS//RACING SUITS//PRINTS//SOLIDS//WATER POLO//LIFEGUARD//TRI
RIESCUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER POLO//LIFEGUARD//TRI
RIATHLON//ACCESSORIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER P
RIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER POLO//LIFEGUARD//T
RIATHLON//ACCESSORIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER P
RIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER POLO//LIFEGUARD//T
RIATHLON//ACCESSORIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER P
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RIES//CUSTOM//RACING SUITS//PRINTS//SOLIDS//WATER POLO//LIFEGUARD//T

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APPENDIX A: Records

Category	Current as of
USMS Short Course Yards	November 26, 2012
USMS Short Course Meters	November 26, 2012
USMS Long Course Meters	November 26, 2012
World Short Course Meters	September 26, 2012
World Long Course Meters	September 26, 2012
USMS Open Water and Long Distance	November 1, 2012

EFFECTIVE DATES: The records in this listing reflect applications received by the above effective dates. Some records achieved by these effective dates may not yet have been submitted or processed.

DISCREPANCIES AND ERRATA: The USMS record is faster than the world record in some events. Possible reasons for these discrepancies include: (a) the application for the USMS record has been approved, but the application for the world record still is in progress or (b) the application for the world record was not submitted within 60 days of the date of the performance.

CORRECTIONS: Any questions about the listed records should be addressed to:

Pool Records

Walt Reid

11114 111th St. SW
Tacoma, WA 98498

usmsrecords@usms.org

Open Water and Long Distance Records

Donn Livoni

323 Rummel Lane
Hamilton, MT 59840

longdistance@usms.org

Women 18-24				Women 25-29					
SC-Yards	USMS	Date	SC-Meters	USMS	Date	SC-Meters	USMS		
50 Free	Madison Kennedy	04-28-12	22.62	J Beckberger	11/21/2010	25.58	Kara Denby	7/26/2009	26.22
100 Free	Dana Volmer	11-08-09	48.29	J Beckberger	11/21/2010	55.86	Kara Denby	7/26/2009	56.47
200 Free	Dana Volmer	11-08-09	1:43.28	Alexandra Lee	12/6/2009	2:03.39	Jessica Foschi	8/17/2003	2:03.06
400/500 Free	Jessica Foschi	10-25-03	4:49.97	Marina Falcone	12/4/2010	4:19.91	Lilla Stewars	7/5/2003	4:16.72
800/1000 Free	Luane Rowe	03-31-12	10:12.42	Dawn Heckman	12/9/2001	8:58.71	Luane Rowe	7/5/2012	9:11.87
1500/1650 Free	Karen Burton	- 87	17:31.70	Dawn Heckman	11/11/2001	17:15.2	Luane Rowe	7/5/2012	17:22.39
50 Back	Odomell-McCarthy	05-22-10	26.18	Paige Francis	12/10/2000	29.69	Ermie Ewing	8/5/2011	30.84
100 Back	Ermie Ewing	05-23-10	55.90	Petra Klosova	11/21/2009	59.45	S Schweitzer	8/20/2000	1:04.87
200 Back	Sara Schweitzer	04-30-00	1:59.22	Alexandra Lee	12/4/2009	2:19.21	S Schweitzer	8/20/2000	2:19.70
50 Breast	Kelly McNichols	04-21-12	28.47	Beata Kaszuba	12/10/1995	32.09	Breeja Larson	7/31/2011	33.25
100 Breast	Micah Lawrence	04-28-12	59.97	Beata Kaszuba	12/10/1995	1:08.89	Breeja Larson	7/30/2011	1:10.32
200 Breast	Riley Mantis	05-18-03	2:14.90	Micah Lawrence	10/29/2011	2:33.23	Marissa Ciapp	7/19/2009	2:36.61
50 Fly	Dana Volmer	11-08-09	24.54	Meg Gill	12/5/2009	28.37	Meg Gill	7/12/2009	28.62
100 Fly	Dana Volmer	11-08-09	52.30	Katherine Mills	10/29/2011	1:01.22	Laura Davis	6/29/2008	1:01.04
200 Fly	Katherine Mills	04-28-12	1:54.62	Alexandra Young	12/6/2009	2:19.83	Laura Davis	7/1/2008	2:16.06
100 I.M.	Kara Denby	04-18-10	55.24	Kara Denby	10/29/2011	1:01.74	Jamie Marks	8/10/2010	5:08.00
200 I.M.	Kara Denby	04-18-10	2:02.35	Kara Denby	12/4/2009	2:19.73	Laura Davis	7/1/2008	2:16.06
400 I.M.	Katherine Mills	01-28-12	4:21.82	Katherine Mills	10/29/2011	4:50.84	Jamie Marks	8/10/2010	5:08.00
Women 25-29				Women 25-29					
SC-Yards	USMS	Date	SC-Meters	USMS	Date	SC-Meters	USMS		
50 Free	Andrea Georoff	1/28/2012	23.08	Andrea Georoff	10/29/2011	26.03	Andrea Georoff	7/1/2012	26.05
100 Free	Meagan Jendrick	2/21/2010	49.70	Shella Taormina	3/31/1996	56.30	Andrea Georoff	6/29/2012	56.97
200 Free	Limin Liu	5/20/2001	1:48.80	Shella Taormina	3/31/1996	1:59.78	Shella Taormina	12/2/1995	2:02.06
400/500 Free	Shella Taormina	1/3/1996	4:49.88	Shella Taormina	3/31/1996	4:24.18	Shella Taormina	12/2/1995	4:13.03
800/1000 Free	Lisa Hazen	3/19/1994	10:12.34	Shella Taormina	3/31/1996	8:51.18	Rachel Komisarz	7/19/2001	8:47.44
1500/1650 Free	Karen Burton	5/19/1991	16:50.17	Shella Taormina	3/31/1996	16:36.07	Rachel Komisarz	7/19/2001	16:34.89
50 Back	Tanica Jamison	5/22/2010	25.26	Diana MacManus	3/3/2012	28.92	Diane Graner	8/20/1989	30.80
100 Back	Tanica Jamison	5/23/2010	54.06	Camilla Johansson	10/27/2002	1:03.26	Kelly Harrigan	7/31/2011	1:06.44
200 Back	Kelly Harrigan	4/29/2011	2:00.24	Lia Oberstar	11/17/2001	2:14.77	Diane Graner	8/20/1989	2:19.97
50 Breast	Megan Jendrick	2/21/2010	27.14	Megan Jendrick	11/21/2010	31.87	Megan Jendrick	7/10/2010	31.60
100 Breast	Megan Jendrick	2/6/2010	59.58	Megan Jendrick	4/15/2012	1:10.04	Megan Jendrick	6/26/2012	1:09.81
200 Breast	Megan Jendrick	2/6/2010	2:09.05	Megan Jendrick	4/14/2012	2:29.80	Britta O'Leary	7/7/2012	2:39.40
50 Fly	Tanica Jamison	5/22/2010	24.41	Lindsey Ubraticha	10/16/2011	28.30	Jennifer Brooks	8/3/2003	28.19
100 Fly	Tanica Jamison	5/21/2010	53.72	Shella Taormina	3/31/1996	1:01.33	Rachel Komisarz	7/19/2001	1:01.04
200 Fly	Limin Liu	5/20/2001	1:57.84	Chissy Miller	2/17/2002	2:23.60	Shella Taormina	12/17/1995	2:17.51
100 I.M.	Megan Jendrick	2/6/2010	54.43	Megan Jendrick	1/23/2011	1:03.41	Allison Wagner	8/15/2005	2:20.71
200 I.M.	Megan Jendrick	2/6/2010	1:59.69	Wenke Hansen	12/12/1998	2:21.79	Allison Wagner	7/30/1989	5:06.34
400 I.M.	Kassy Harris	5/22/2005	4:21.52	Wenke Hansen	12/13/1998	5:02.54	Sara Shand	7/30/1989	5:02.78

Women 30-34		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Erika Emdl	22.70	3/11/2009	22.70	Hannah Calidas	12/10/2011	25.77	25.57	Erika Emdl	8/8/2009	25.57	25.74
100 Free	Erika Emdl	49.07	12/6/2008	49.07	Erika Emdl	10/13/2012	54.75	55.11	Erika Emdl	8/5/2009	54.59	55.24
200 Free	Dawn Heckman	1:50.13	4/14/2012	1:50.13	K Pipes-Nelissen	12/15/1996	2:04.64	2:02.60	Erika Emdl	8/7/2009	1:58.92	2:04.05
400/500 Free	Dawn Heckman	4:46.92	4/14/2012	4:46.92	Dawn Heckman	12/4/2011	4:17.82	4:17.82	Dawn Heckman	8/3/2010	4:17.52	4:18.63
800/1000 Free	Dawn Heckman	4:15/2012	9:51.93	4:15/2012	Dawn Heckman	12/4/2011	8:38.58	8:38.58	Dawn Heckman	5/30/2010	8:46.22	8:46.47
1500/1650 Free	Karen Burton	5/23/1993	17:07.52	5/23/1993	Dawn Heckman	12/2/2011	16:26.93	16:26.93	Dawn Heckman	4/25/2010	17:07.54	17:25.81
50 Back	Noriko Inada	24.96	5/1/2011	24.96	Noriko Inada	11/21/2009	27.61	27.43	Noriko Inada	7/8/2012	28.57	28.57
100 Back	Noriko Inada	54.80	4/30/2011	54.80	Noriko Inada	11/22/2009	59.53	100.90	Noriko Inada	8/6/2011	1:01.78	1:01.78
200 Back	K Pipes-Nelissen	1:59.93	2/19/1996	1:59.93	L Oberstar-Brown	11/22/2008	2:12.47	2:11.86	Sarah Beth Metzger	8/6/2009	2:17.61	2:17.61
50 Breast	Katie McClelland	28.48	5/4/2008	28.48	Hannah Calidas	12/4/2011	32.17	31.71	Katie McClelland	8/15/2008	33.20	32.42
100 Breast	Katie McClelland	1:02.08	5/4/2008	1:02.08	Wenke Hansen	12/10/2000	1:10.00	1:06.98	Katie McClelland	8/16/2008	1:13.29	1:10.10
200 Breast	Wenke Hansen	2:17.34	4/30/2000	2:17.34	Wenke Hansen	12/10/2000	2:30.65	2:26.96	Wenke Hansen	8/23/1999	2:41.51	2:28.93
50 Fly	Angel Martino	24.18	4/15/2000	24.18	Noriko Inada	12/10/2011	27.89	27.81	Maritina Moravcova	6/7/2008	27.48	27.48
100 Fly	Angel Martino	55.01	5/16/1999	55.01	Erika Emdl	10/13/2012	1:00.34	1:00.11	Maritina Moravcova	6/7/2008	56.81	58.81
200 Fly	K Pipes-Nelissen	2:03.46	5/12/1996	2:03.46	Karina Radke	10/5/2003	2:19.34	2:13.09	K Pipes-Nelissen	6/7/2008	2:13.72	2:13.89
100 I.M.	Angel Martino	57.01	4/15/2000	57.01	Erika Emdl	10/13/2012	1:02.52	1:02.55	Erika Emdl	8/8/2009	2:13.72	2:13.89
200 I.M.	Erika Emdl	1:58.80	3/11/2009	1:58.80	K Pipes-Nelissen	12/7/1996	2:18.79	2:13.41	Erika Emdl	8/8/2009	2:13.72	2:13.89
400 I.M.	Karlyn Pipes	4:25.68	5/21/1995	4:25.68	K Pipes-Nelissen	12/15/1996	4:53.85	4:45.07	Erika Emdl	6/29/2008	4:47.06	4:56.08
Women 35-39		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Dara Torres	22.34	2/25/2007	22.34	Dara Torres	12/3/2006	25.10	25.10	Dara Torres	8/8/2006	25.57	25.98
100 Free	Dara Torres	49.72	2/25/2007	49.72	Dara Torres	12/3/2006	54.95	54.95	S Neilson-Ball	7/2/1995	54.59	58.38
200 Free	K Pipes-Nelissen	1:51.55	5/3/1997	1:51.55	K Pipes-Nelissen	12/14/1997	2:03.56	2:03.12	Dawn Heckman	6/2/2012	1:58.92	2:06.94
400/500 Free	K Pipes-Nelissen	4:56.09	5/3/1997	4:56.09	K Pipes-Nelissen	12/12/1999	4:22.56	4:22.56	Dawn Heckman	6/1/2012	4:17.52	4:26.17
800/1000 Free	K Pipes-Nelissen	10:22.60	6/16/1999	10:22.60	Alison Zamanian	10/15/2006	9:12.97	8:57.28	Dawn Heckman	6/3/2012	8:46.22	9:09.12
1500/1650 Free	K Pipes-Nelissen	17:13.99	5/4/1997	17:13.99	Laurie Hug	12/10/2000	17:27.84	17:07.48	K Pipes-Nelissen	8/13/2000	17:07.54	17:33.46
50 Back	Sheri Hart	25.97	5/22/2010	25.97	Sheri Hart	11/21/2009	28.68	28.68	Sheri Hart	8/7/2010	28.57	30.17
100 Back	Sheri Hart	56.14	5/23/2010	56.14	Sheri Hart	11/22/2009	1:02.36	1:02.36	Sheri Hart	8/8/2010	1:01.78	1:04.99
200 Back	K Pipes-Nelissen	2:00.54	3/14/1998	2:00.54	K Pipes-Nelissen	12/14/1997	2:14.10	2:14.10	K Pipes-Nelissen	8/10/1997	2:17.61	2:18.20
50 Breast	Cynthia Lewis	29.63	4/15/2012	29.63	Caroline Krattli	12/10/2000	33.03	31.87	Cynthia Lewis	5/27/2012	33.20	33.10
100 Breast	Cynthia Lewis	1:03.46	4/15/2012	1:03.46	Cynthia Lewis	12/3/2011	1:10.64	1:09.20	Cynthia Lewis	5/27/2012	1:13.29	1:12.77
200 Breast	Cynthia Lewis	2:17.84	4/1/2012	2:17.84	Caroline Krattli	12/10/2000	2:36.04	2:30.63	Cynthia Lewis	5/27/2012	2:41.51	2:36.06
50 Fly	S Von Der Lippe	25.54	5/18/2003	25.54	Sheri Hart	11/21/2009	28.58	28.37	Trace Moll	8/23/1999	27.48	28.03
100 Fly	S Von Der Lippe	55.78	5/18/2003	55.78	K Pipes-Nelissen	12/14/1997	1:03.29	1:02.70	Trace Moll	8/23/1999	58.81	1:02.44
200 Fly	S Von Der Lippe	2:03.48	5/22/2005	2:03.48	K Pipes-Nelissen	12/14/1997	2:18.41	2:16.67	K Pipes-Nelissen	8/10/1997	2:20.12	2:20.21
100 I.M.	Sheri Hart	57.67	5/23/2010	57.67	Sheri Hart	11/22/2009	1:04.61	1:03.17	K Pipes-Nelissen	8/10/1997	2:20.12	2:20.21
200 I.M.	K Pipes-Nelissen	2:05.24	3/14/1998	2:05.24	K Pipes-Nelissen	12/10/2000	2:19.08	2:18.60	K Pipes-Nelissen	7/19/1997	2:13.72	2:21.47
400 I.M.	K Pipes-Nelissen	4:24.18	3/14/1998	4:24.18	K Pipes-Nelissen	12/14/1997	4:52.85	4:52.85	K Pipes-Nelissen	8/15/1998	4:47.06	4:59.59



Women 40-44	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Dara Torres	4/15/2007	21.91	Erika Braun	11/3/2012	26.46	26.40	Dara Torres	7/6/2008	24.25	26.44
100 Free	Dara Torres	4/15/2007	46.34	S Von Der Lippe	11/16/2008	57.55	57.55	Dara Torres	7/4/2008	53.78	58.43
200 Free	K Pipes-Neilsen	12/22/2002	1:51.06	K Pipes-Neilsen	12/14/2003	2:05.26	2:05.26	K Pipes-Neilsen	5/25/2003	2:09.00	2:09.28
400/500 Free	K Pipes-Neilsen	10/5/2002	4:58.98	K Pipes-Neilsen	12/14/2003	4:21.75	4:21.75	Janet Evans	8/13/2011	4:22.87	4:22.87
800/1000 Free	K Pipes-Neilsen	12/21/2003	10:20.45	K Pipes-Neilsen	6/20/2003	9:09.71	9:09.71	Janet Evans	6/11/2011	8:59.06	8:59.06
1500/1650 Free	K Pipes-Neilsen	12/7/2002	17:15.20	Alison Zamanian	1/16/2010	17:35.49	17:35.49	K Pipes-Neilsen	8/11/2003	17:56.52	17:56.52
50 Back	Sheri Hart	5/1/2011	26.12	Sheri Hart	10/4/2012	30.02	29.96	Jody Smith	8/9/2009	31.63	31.49
100 Back	Sheri Hart	4/30/2011	56.03	Sheri Hart	10/29/2011	1:03.48	1:03.48	Jody Smith	8/7/2009	1:07.06	1:07.06
200 Back	Kristin Galy	4/24/2010	2:04.43	Jody Smith	12/4/2009	2:19.06	2:19.06	Jody Smith	8/6/2009	2:23.18	2:23.18
50 Breast	S Von Der Lippe	2/28/2010	29.24	S Von Der Lippe	11/22/2009	32.29	32.20	S Von Der Lippe	7/23/2006	33.25	33.09
100 Breast	S Von Der Lippe	5/4/2008	1:03.00	S Von Der Lippe	12/2/2007	1:10.55	1:10.55	S Von Der Lippe	6/30/2008	1:12.74	1:12.74
200 Breast	S Von Der Lippe	5/14/2006	2:17.06	S Von Der Lippe	11/16/2008	2:32.37	2:32.37	S Von Der Lippe	8/9/2006	2:38.44	2:38.44
50 Fly	S Von Der Lippe	5/10/2009	25.14	S Von Der Lippe	12/11/2005	28.21	28.21	S Von Der Lippe	5/25/2009	28.52	28.52
100 Fly	S Von Der Lippe	5/10/2009	54.83	S Von Der Lippe	11/21/2006	1:01.70	1:01.70	S Von Der Lippe	6/29/2008	1:02.47	1:03.36
200 Fly	S Von Der Lippe	5/4/2008	2:03.13	S Von Der Lippe	11/19/2006	2:20.66	2:20.66	K Pipes-Neilsen	8/17/2003	2:24.77	2:24.78
100 I.M.	Erika Braun	4/28/2012	57.95	S Von Der Lippe	11/16/2008	1:04.25	1:04.25				
200 I.M.	S Von Der Lippe	5/4/2008	2:04.85	S Von Der Lippe	12/2/2007	2:19.21	2:19.21	S Von Der Lippe	8/5/2007	2:25.03	2:25.03
400 I.M.	S Von Der Lippe	5/4/2008	4:28.43	K Pipes-Neilsen	11/24/2002	5:00.82	5:00.82	K Pipes-Neilsen	8/1/2004	5:09.83	5:09.83
Women 45-49	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Susan Walsh	5/4/2008	24.00	K Pipes-Neilsen	12/2/2007	27.09	26.59	Susan Walsh	8/13/2007	27.44	26.59
100 Free	K Pipes-Neilsen	12/16/2007	52.23	K Pipes-Neilsen	12/2/2007	58.61	58.61	Fall Willeboordse	6/17/2012	59.62	59.79
200 Free	K Pipes-Neilsen	12/16/2007	1:53.28	K Pipes-Neilsen	12/2/2007	2:05.94	2:05.94	K Pipes-Neilsen	6/13/2009	2:10.09	2:10.09
400/500 Free	K Pipes-Neilsen	4/19/2009	5:04.13	K Pipes-Neilsen	5/16/2009	4:25.34	4:25.34	K Pipes-Neilsen	9/6/2008	4:35.84	4:35.84
800/1000 Free	K Pipes-Neilsen	4/19/2009	10:32.91	K Pipes-Neilsen	5/15/2009	9:11.37	9:11.37	K Pipes-Neilsen	8/5/2007	9:24.11	9:24.11
1500/1650 Free	K Pipes-Neilsen	4/22/2007	17:49.73	S Heim-Bowen	10/10/2004	17:50.64	17:46.32	S Heim-Bowen	8/17/2003	17:55.83	17:55.83
50 Back	K Pipes-Neilsen	12/21/2008	27.35	K Pipes-Neilsen	12/2/2007	30.58	30.31	Jenkins/Reynolds	08-00-11	31.71	31.71
100 Back	Ellen Reynolds	5/23/2010	57.83	K Pipes-Neilsen	5/16/2009	1:04.79	1:04.46	K Pipes-Neilsen	5/24/2009	1:08.11	1:08.11
200 Back	K Pipes-Neilsen	4/19/2009	2:04.65	K Pipes-Neilsen	5/15/2009	2:18.95	2:18.15	K Pipes-Neilsen	5/22/2009	2:26.06	2:26.06
50 Breast	Caroline Krattli	3/27/2011	30.17	S Von Der Lippe	10/10/2010	33.82	33.82	S Von Der Lippe	7/17/2010	33.66	33.66
100 Breast	S Von Der Lippe	5/1/2011	1:05.85	S Von Der Lippe	10/10/2010	1:13.30	1:13.30	S Von Der Lippe	7/17/2010	1:14.41	1:13.49
200 Breast	S Von Der Lippe	5/1/2011	2:22.76	S Von Der Lippe	11/21/2010	2:38.00	2:38.00	Caroline Krattli	8/5/2007	2:45.20	2:45.20
50 Fly	S Von Der Lippe	3/27/2011	25.97	S Von Der Lippe	10/10/2010	28.84	28.84	S Von Der Lippe	7/17/2010	29.12	28.97
100 Fly	S Von Der Lippe	5/1/2011	56.97	S Von Der Lippe	11/20/2010	1:03.47	1:03.47	K Pipes-Neilsen	9/6/2008	1:05.69	1:05.69
200 Fly	K Pipes-Neilsen	12/26/2008	2:07.39	K Pipes-Neilsen	12/13/2009	2:23.18	2:23.18	K Pipes-Neilsen	6/20/2009	2:24.34	2:24.34
100 I.M.	Fall Willeboordse	4/28/2012	59.39	K Pipes-Neilsen	12/12/2009	1:05.75	1:05.61				
200 I.M.	K Pipes-Neilsen	12/16/2007	2:07.26	K Pipes-Neilsen	5/17/2009	2:21.55	2:21.55	K Pipes-Neilsen	8/16/2008	2:27.57	2:27.57
400 I.M.	K Pipes-Neilsen	12/26/2009	4:32.87	K Pipes-Neilsen	12/12/2009	5:05.04	5:00.29	K Pipes-Neilsen	9/6/2008	5:13.85	5:13.85

Women 50-54		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Sue Walsh	4/28/2012	24.91	S Heim-Bowen	12/5/2009	28.11	27.81	Laura Val	8/18/2001	28.22	28.22
100 Free		Laura Val	5/17/2002	54.38	Laura Val	10/21/2001	1:01.49	1:01.49	Laura Val	8/19/2001	1:01.13	1:01.13
200 Free		Laura Val	5/17/2002	1:59.55	S Heim-Bowen	12/6/2009	2:10.72	2:10.72	S Heim-Bowen	4/20/2008	2:15.00	2:15.00
400/500 Free		S Heim-Bowen	5/10/2009	5:16.88	S Heim-Bowen	12/5/2009	4:35.54	4:34.81	S Heim-Bowen	4/24/2008	4:42.37	4:41.19
800/1000 Free		Caroline Krattli	2/17/2012	11:08.78	S Heim-Bowen	12/4/2009	9:29.62	9:23.45	S Heim-Bowen	4/18/2008	9:48.81	9:38.04
1500/1650 Free		Laura Val	4/14/2002	18:42.24	S Heim-Bowen	12/4/2009	17:51.33	17:51.33	S Heim-Bowen	8/14/2008	18:32.76	18:29.28
50 Back		Leslie Livingston	4/29/2012	27.24	Leslie Livingston	3/19/2011	30.58	30.58	Leslie Livingston	7/7/2012	32.43	32.43
100 Back		K Pipes-Nelissen	4/27/2012	1:01.29	Leslie Livingston	3/17/2012	1:08.12	1:08.12	K Pipes-Nelissen	8/12/2012	1:11.78	1:11.78
200 Back		K Pipes-Nelissen	4/28/2012	2:13.99	Ahelee Sue Osborn	12/4/2009	2:34.24	2:25.94	K Pipes-Nelissen	8/11/2012	2:36.56	2:33.03
50 Breast		Brighte Hauer	5/21/2010	32.37	Lisa Bennett	12/12/2009	36.99	34.05	Heinrida Mann	8/7/2006	37.51	34.18
100 Breast		Caroline Krattli	2/18/2012	1:03.21	Jenny Cook	11/8/2008	1:20.72	1:15.76	Heinrida Mann	8/6/2009	1:23.21	1:15.50
200 Breast		Caroline Krattli	2/20/2012	2:29.92	Kim Crouch	12/4/2011	2:56.79	2:48.69	Jenny Cook	4/23/2008	3:05.84	2:50.92
50 Fly		Leslie Livingston	4/29/2012	26.31	Leslie Livingston	3/17/2012	29.54	29.54	Lisa Dahl	7/8/2012	30.34	30.24
100 Fly		Traci Granger	5/10/2009	1:00.28	Andrea Block	12/4/2011	1:08.62	1:06.92	Jill Hernandez	8/13/2011	1:07.80	1:07.80
200 Fly		Laura Val	5/17/2002	2:15.18	Andrea Block	12/3/2011	2:33.93	2:28.08	Laura Val	8/13/2011	2:31.55	2:31.55
100 I.M.		K Pipes-Nelissen	4/28/2012	1:02.18	Ahelee Sue Osborn	12/6/2009	1:11.67	1:08.28	Jill Hernandez	8/13/2011	1:07.80	1:07.80
200 I.M.		K Pipes-Nelissen	3/18/2012	2:14.64	Jenny Cook	10/18/2008	2:35.86	2:30.98	Jill Hernandez	8/13/2011	2:36.97	2:34.32
400 I.M.		Jill Hernandez	3/30/2012	4:46.15	Laura Val	10/13/2002	5:36.28	5:14.65	Laura Val	7/14/2002	5:42.80	5:32.26
Women 55-59		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Laura Val	5/10/2009	25.29	Laura Val	12/5/2009	28.49	28.49	Laura Val	8/17/2008	28.69	28.69
100 Free		Laura Val	5/4/2008	54.72	Laura Val	12/4/2009	1:01.33	1:01.33	Laura Val	8/16/2008	1:02.02	1:02.02
200 Free		Laura Val	5/10/2009	1:59.02	Laura Val	11/21/2009	2:14.45	2:14.45	Laura Val	8/6/2009	2:16.28	2:16.28
400/500 Free		Laura Val	1/25/2009	5:27.33	Laura Val	10/4/2009	4:42.97	4:42.97	Laura Val	7/12/2009	4:50.13	4:50.13
800/1000 Free		Laura Val	1/20/2010	11:20.53	Laura Val	10/17/2009	9:51.35	9:51.35	Laura Val	7/12/2008	10:05.28	10:05.28
1500/1650 Free		Laura Val	4/16/2010	18:56.04	Laura Val	1/16/2010	18:43.73	18:43.73	Laura Val	7/8/2007	19:14.70	19:14.70
50 Back		Laura Val	3/28/2010	28.88	Laura Val	10/24/2009	32.62	32.62	Laura Val	8/12/2010	33.75	33.75
100 Back		Laura Val	5/23/2010	1:04.65	Laura Val	11/16/2008	1:12.23	1:12.23	Laura Val	8/17/2008	1:14.41	1:14.41
200 Back		Laura Val	2/6/2010	2:21.27	Laura Val	10/12/2008	2:40.05	2:40.05	N Sheadman Martin	8/6/2009	2:47.52	2:47.52
50 Breast		Lisa Bennett	5/14/2011	33.76	Colette Crabbe	5/15/2011	39.12	37.58	Beth Estel	6/3/2012	39.16	38.24
100 Breast		Lisa Bennett	5/13/2011	1:13.91	Colette Crabbe	12/10/2011	1:25.94	1:25.18	Lo D Knapp	8/6/2009	1:25.19	1:25.19
200 Breast		Catherine Kohn	5/10/2009	2:40.19	Catherine Kohn	10/31/2009	3:02.37	3:02.37	Lo D Knapp	8/9/2009	3:04.32	3:04.32
50 Fly		Laura Val	4/10/2010	28.20	Laura Val	10/17/2009	31.13	31.13	Laura Val	8/6/2009	31.42	31.42
100 Fly		Laura Val	5/10/2009	1:01.31	Laura Val	12/6/2009	1:09.23	1:09.23	Laura Val	8/9/2009	1:09.47	1:09.47
200 Fly		Laura Val	5/10/2009	2:16.28	Laura Val	9/14/2008	2:31.13	2:31.13	Laura Val	7/8/2007	2:41.51	2:41.51
100 I.M.		Laura Val	5/20/2007	1:05.21	Laura Val	11/12/2009	1:12.90	1:12.90	Laura Val	8/16/2008	2:43.45	2:43.45
200 I.M.		Laura Val	5/22/2010	2:21.91	Laura Val	12/4/2009	2:36.98	2:36.98	Laura Val	7/10/2009	5:49.40	5:49.40
400 I.M.		Laura Val	5/7/2010	5:03.92	Laura Val	11/21/2009	5:39.30	5:39.30	Laura Val			



Women 60-64	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Laura Val	4/21/2012	26.57	Laura Val	9/23/2012	29.44	29.44	Laura Val	8/6/2011	29.31	29.31
100 Free	Laura Val	4/29/2012	56.45	Laura Val	9/23/2012	1:04.79	1:04.79	Laura Val	8/5/2011	1:03.83	1:03.83
200 Free	Laura Val	1/22/2012	2:07.35	Laura Val	12/4/2011	2:20.16	2:20.16	Laura Val	8/12/2012	2:21.48	2:21.48
400/500 Free	Laura Val	3/30/2012	5:42.84	Laura Val	10/16/2011	4:55.54	4:55.54	Laura Val	8/12/2012	4:59.82	4:59.82
800/1000 Free	Laura Val	3/30/2012	11:41.77	Laura Val	1/15/2011	10:21.68	10:21.68	Laura Val	7/8/2011	10:27.71	10:27.71
1500/1650 Free	Laura Val	3/30/2012	19:43.99	Laura Val	1/15/2011	19:38.63	19:38.63	Laura Val	7/8/2011	19:52.85	19:52.85
50 Back	Laura Val	3/10/2012	30.00	Laura Val	9/23/2012	33.70	33.70	Laura Val	7/7/2012	34.30	34.30
100 Back	Laura Val	4/27/2012	1:06.08	Laura Val	10/3/2012	1:13.87	1:14.48	Laura Val	6/15/2012	1:16.08	1:16.08
200 Back	Laura Val	4/28/2012	2:23.94	Laura Val	12/2/2011	2:42.21	2:42.21	Laura Val	6/26/2011	2:48.78	2:48.78
50 Breast	Ginger Pearson	5/14/2006	36.30	Deb Walker	11/12/2011	39.60	38.60	Debra Coelner	6/13/2012	40.80	38.48
100 Breast	Deb Walker	4/13/2012	1:18.75	Deb Walker	11/12/2011	1:27.07	1:26.43	Deb Walker	6/11/2011	1:30.66	1:27.64
200 Breast	Deb Walker	4/15/2012	2:52.02	Deb Walker	11/12/2011	3:13.55	3:06.48	Deb Walker	6/12/2011	3:17.24	3:14.49
50 Fly	Laura Val	2/11/2012	29.38	Laura Val	10/3/2011	32.77	32.77	Laura Val	7/8/2012	32.27	32.27
100 Fly	Laura Val	4/27/2012	1:04.27	Laura Val	10/16/2011	1:12.67	1:12.67	Laura Val	8/4/2011	1:12.06	1:12.06
200 Fly	Laura Val	4/28/2012	2:24.56	Laura Val	12/3/2011	2:41.25	2:41.25	Laura Val	8/4/2011	2:41.03	2:41.03
100 I.M.	Laura Val	3/4/2012	1:07.91	Laura Val	9/29/2012	1:15.72	1:16.37	Laura Val	8/12/2012	2:50.00	2:50.00
200 I.M.	Laura Val	3/4/2012	2:25.40	Laura Val	12/2/2011	2:43.50	2:43.50	Laura Val	7/8/2011	5:56.27	5:56.27
400 I.M.	Laura Val	3/17/2012	5:17.58	Laura Val	9/25/2011	5:51.81	5:51.81	Laura Val	7/8/2011	5:56.27	5:56.27

Women 65-69	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Carolyn Boak	4/29/2011	29.27	Diann Ustiel	12/10/2011	32.06	31.82	Carolyn Boak	8/11/2010	31.84	31.84
100 Free	Carolyn Boak	3/31/2012	1:05.21	Diann Ustiel	11/13/2011	1:10.76	1:10.76	Carolyn Boak	8/12/2010	1:12.00	1:12.00
200 Free	Carolyn Boak	4/30/2011	2:24.31	Carolyn Boak	12/4/2010	2:39.77	2:39.77	Carolyn Boak	8/10/2010	2:39.05	2:39.05
400/500 Free	Ardeh Mueller	4/1/2007	6:29.22	Carolyn Boak	12/5/2010	5:35.53	5:35.53	Jackie Marr	8/17/2008	5:46.65	5:43.10
800/1000 Free	Jackie Marr	5/10/2009	13:25.54	Jackie Marr	12/5/2008	11:40.70	11:24.13	Jackie Marr	8/14/2008	11:53.93	11:53.17
1500/1650 Free	Jackie Marr	4/19/2009	22:28.21	Jackie Marr	12/5/2008	22:09.43	21:43.60	Jackie Marr	6/29/2008	23:07.49	22:40.65
50 Back	Diann Ustiel	10/22/2011	33.55	Diann Ustiel	3/19/2011	35.58	35.58	Diann Ustiel	8/20/2011	37.11	37.11
100 Back	Diann Ustiel	10/22/2011	1:13.64	Diann Ustiel	12/11/2011	1:17.95	1:17.95	Diann Ustiel	7/10/2011	1:22.30	1:21.81
200 Back	Suzanne Dills	5/21/2010	2:50.17	Diann Ustiel	12/4/2011	2:53.36	2:53.36	Diann Ustiel	7/9/2011	3:05.15	3:00.24
50 Breast	Joann Leitch	4/25/2004	37.74	Diann Ustiel	11/12/2011	42.02	40.90	Diann Ustiel	8/4/2011	42.97	41.52
100 Breast	Joann Leitch	4/25/2004	1:23.95	Joann Leitch	3/20/2004	1:32.37	1:28.73	Joann Leitch	8/13/2007	1:36.29	1:33.23
200 Breast	Joann Leitch	4/4/2004	3:01.50	Joann Leitch	3/20/2004	3:17.44	3:14.89	Joann Leitch	8/28/2005	3:26.98	3:24.79
50 Fly	Diann Ustiel	10/22/2011	31.65	Diann Ustiel	12/3/2011	35.17	35.06	Diann Ustiel	8/5/2011	35.42	35.42
100 Fly	Carolyn Boak	5/11/2012	1:15.04	Carolyn Boak	12/4/2010	1:25.67	1:25.67	Carolyn Boak	8/11/2010	1:26.17	1:26.17
200 Fly	Carolyn Boak	4/11/2012	2:59.21	Carolyn Boak	11/12/2011	3:19.08	3:17.36	Carolyn Boak	8/11/2010	3:21.42	3:21.42
100 I.M.	Diann Ustiel	10/22/2011	1:12.91	Diann Ustiel	12/10/2011	1:20.86	1:20.86	Carolyn Boak	8/11/2010	3:06.10	3:05.40
200 I.M.	Carolyn Boak	5/11/2011	2:46.27	Carolyn Boak	12/5/2010	3:04.22	3:02.58	Carolyn Boak	7/23/2010	6:37.45	6:37.45
400 I.M.	Carolyn Boak	4/29/2011	5:49.24	Carolyn Boak	12/4/2010	6:31.71	6:31.71	Carolyn Boak			

Women 70-74	SC-Yards	Date	USMS	SC-Meters	Date	USMS	USMS	World	LC-Meters	Date	USMS	World
50 Free	Gail Roper	4/30/2000	31:05	Gail Roper	11/17/1999	35:37	33.34	33.34	Beth Schreiner	8/6/2011	35:22	33.57
100 Free	Gail Roper	4/30/2000	1:09:79	Gail Roper	12/15/1999	1:18:67	1:12:97	1:14:28	Gail Roper	8/23/1999	1:19:94	1:14:28
200 Free	Gail Roper	4/30/2000	2:35:85	Gail Roper	5/15/2000	2:58:06	2:44:70	2:48:03	Lavelle Stoinoff	7/13/2003	2:57:28	2:48:03
400/500 Free	Lavelle Stoinoff	4/25/2004	6:46:78	Gail Roper	12/15/1999	6:27:21	5:50:41	5:54:97	Lavelle Stoinoff	6/28/2003	6:11:92	5:54:97
800/1000 Free	Lavelle Stoinoff	4/25/2004	13:58:55	June Krauser	9/17/1996	13:07:28	12:32:86	12:13:07	Lavelle Stoinoff	8/15/2004	12:35:14	12:13:07
1500/1650 Free	Lavelle Stoinoff	3/28/2004	23:45:69	June Krauser	11/24/1996	24:57:85	23:54:74	24:06:48	Lavelle Stoinoff	7/13/2003	24:24:13	24:06:48
50 Back	Betsy Jordan	5/20/2007	36:91	Joy Ward	4/15/2012	40:58	40:49	40:67	Joy Ward	7/17/2012	42:08	40:67
100 Back	Betsy Jordan	5/20/2007	1:22:08	Joy Ward	4/14/2012	1:29:64	1:26:25	1:26:15	Joy Ward	7/8/2012	1:32:68	1:26:15
200 Back	Nancy Brown	4/30/2006	2:59:07	Joy Ward	4/12/2012	3:12:67	3:12:67	3:11:54	Joy Ward	7/6/2012	3:18:02	3:11:54
50 Breast	Joann Leitch	1/24/2009	39:89	Joann Leitch	11/13/2011	44:22	42:80	42:80	Joann Leitch	8/17/2009	45:67	42:80
100 Breast	Joann Leitch	4/29/2011	1:26:77	Joann Leitch	3/21/2009	1:37:20	1:35:58	1:37:72	Joann Leitch	7/18/2009	1:38:78	1:37:72
200 Breast	Joann Leitch	2/11/2009	3:07:28	Joann Leitch	3/21/2009	3:25:76	3:25:76	3:24:32	Joann Leitch	8/20/2011	3:34:49	3:24:32
50 Fly	Gail Roper	4/30/2000	35:06	Barbara Frid	4/15/2012	39:81	37:96	37:93	Barbara Frid	7/8/2012	40:81	37:93
100 Fly	Gail Roper	10/21/1999	1:27:74	Gail Roper	10/10/1999	1:37:56	1:28:55	1:28:55	June Krauser	6/28/1996	1:40:85	1:34:51
200 Fly	June Krauser	2/16/1997	3:16:51	June Krauser	10/13/1996	3:38:39	3:34:59	3:34:59	June Krauser	6/28/1996	3:39:91	3:39:91
100 I.M.	Gail Roper	4/30/2000	1:21:97	Gail Roper	5/15/2000	1:32:23	1:24:88	1:24:88	Gail Roper	8/8/1999	1:32:94	1:31:19
200 I.M.	Nancy Brown	4/30/2006	3:07:70	Joy Ward	4/15/2012	3:28:17	3:11:14	3:11:14	Gail Roper	6/28/1996	3:30:91	3:13:19
400 I.M.	Nancy Brown	4/9/2006	6:40:92	June Krauser	10/13/1996	7:24:32	6:56:79	6:56:79	June Krauser	6/28/1996	7:30:91	6:54:93
Women 75-79	SC-Yards	Date	USMS	SC-Meters	Date	USMS	USMS	World	LC-Meters	Date	USMS	World
50 Free	Gail Roper	4/3/2005	33:87	Gail Roper	12/12/2004	37:24	35:88	34:85	Gail Roper	8/15/2005	36:87	34:85
100 Free	Gail Roper	4/24/2005	1:16:23	Gail Roper	10/15/2005	1:24:31	1:18:59	1:20:15	Gail Roper	7/31/2005	1:26:36	1:20:15
200 Free	Ronnie Kamphausen	3/8/2009	2:53:05	Gail Roper	11/20/2005	3:07:58	2:57:19	2:56:57	Gail Roper	7/31/2005	3:13:24	2:56:57
400/500 Free	Ronnie Kamphausen	5/15/2009	7:32:58	Jean Troy	12/8/2002	6:44:09	6:09:40	6:13:20	Jean Troy	8/11/2002	6:55:62	6:13:20
800/1000 Free	Ronnie Kamphausen	3/8/2009	15:47:72	Jean Troy	11/3/2002	13:59:01	12:42:75	12:58:94	June Krauser	9/9/2001	14:10:50	12:58:94
1500/1650 Free	Ronnie Kamphausen	6/16/2009	26:53:24	Gail Roper	12/4/2005	26:37:02	24:04:75	24:41:76	Jean Troy	8/17/2003	27:09:75	24:41:76
50 Back	Doris Steadman	4/30/2000	40:25	Doris Steadman	11/17/1999	44:76	43:50	43:50	Doris Steadman	8/23/1999	44:43	42:06
100 Back	Nancy Brown	4/15/2011	1:27:70	Nancy Brown	3/19/2011	1:36:90	1:36:33	1:38:62	Doris Steadman	8/23/1999	1:39:06	1:38:62
200 Back	Nancy Brown	4/15/2011	3:15:04	Nancy Brown	3/19/2011	3:34:09	3:32:59	3:34:35	Doris Steadman	8/23/1999	3:39:41	3:34:35
50 Breast	Sylvia Eisele	3/20/2005	44:36	Gail Roper	10/15/2005	50:91	43:79	43:95	Ann Hirsch	8/15/2008	51:55	43:95
100 Breast	Ann Hirsch	3/19/2006	1:37:04	Ann Hirsch	10/11/2008	1:50:24	1:36:48	1:38:81	Ann Hirsch	8/10/2006	1:50:28	1:38:81
200 Breast	Ann Hirsch	2/11/2006	3:31:35	Ann Hirsch	10/12/2008	3:56:51	3:33:03	3:41:53	Ann Hirsch	8/10/2006	3:59:30	3:41:53
50 Fly	Gail Roper	4/24/2005	39:05	Gail Roper	12/12/2004	44:18	40:71	41:99	Gail Roper	8/1/2004	44:95	41:99
100 Fly	Gail Roper	4/3/2005	1:37:03	Gail Roper	12/4/2005	1:49:36	1:44:35	1:47:40	Gail Roper	8/1/2004	1:54:14	1:47:40
200 Fly	Lois Kivi Nochtman	4/30/2000	3:41:89	Lois Kivi Nochtman	5/17/1999	4:08:39	3:57:33	4:03:55	June Krauser	6/24/2001	4:10:69	4:03:55
100 I.M.	Gail Roper	4/24/2005	1:27:31	Gail Roper	12/12/2004	1:38:11	1:31:62	1:31:62	June Krauser	6/24/2001	1:38:59	1:31:62
200 I.M.	Gail Roper	4/24/2005	3:18:40	Gail Roper	12/11/2005	3:37:24	3:31:20	3:31:20	June Krauser	6/24/2001	3:48:59	3:38:46
400 I.M.	Gail Roper	4/10/2005	7:03:61	June Krauser	10/17/2001	7:52:71	7:34:39	7:34:39	June Krauser	6/10/2001	7:51:71	7:39:96



Women 80-84	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Florence Carr	3/12/2006	36.85	Gail Roper	1/25/2009	38.03	37.67	Gail Roper	3/7/2009	38.64	37.61
100 Free	Margery Meyer	5/18/2003	1:24.09	Gail Roper	1/25/2009	1:26.23	1:24.44	Gail Roper	3/7/2009	1:27.55	1:24.18
200 Free	Jean Troy	2/17/2008	3:08.99	Gail Roper	1/25/2009	3:18.57	3:01.61	Jean Troy	6/10/2007	3:27.26	3:07.40
400/500 Free	Jean Troy	3/30/2008	8:26.37	Jean Troy	11/11/2007	7:20.96	6:34.92	Jean Troy	6/10/2007	7:24.53	6:39.90
800/1000 Free	Jean Troy	3/30/2008	17:20.18	Jean Troy	11/18/2007	15:12.35	12:49.43	Jean Troy	7/15/2007	15:12.94	13:51.21
1500/1650 Free	Betty Lorenzi	4/19/2009	28:35.79	Jean Troy	11/18/2007	28:55.09	25:45.37	Jean Troy	7/15/2007	29:04.81	29:35.03
50 Back	Betty Lorenzi	4/19/2009	43.57	Margery Meyer	10/13/2002	50.03	46.10	Bunny Cederlund	3/29/2002	46.39	46.39
100 Back	Betty Lorenzi	4/19/2009	1:32.37	Betty Lorenzi	12/12/07	1:50.61	1:44.88	Betty Lorenzi	8/7/2009	1:47.11	1:46.11
200 Back	Betty Lorenzi	4/19/2009	3:26.72	Nancy Kinney	11/22/2009	3:59.15	3:42.88	Betty Lorenzi	3/13/2010	3:53.12	3:47.96
50 Breast	Ann Hirsch	2/12/2011	48.29	Ann Hirsch	10/15/2011	53.62	49.35	Ann Hirsch	8/4/2011	53.40	49.49
100 Breast	Ann Hirsch	2/12/2011	1:46.69	Ann Hirsch	8/20/2011	1:57.31	1:50.76	Ann Hirsch	8/5/2011	1:57.17	1:50.94
200 Breast	Ann Hirsch	2/12/2011	3:49.67	Ann Hirsch	9/25/2011	4:16.16	4:00.52	Ann Hirsch	7/10/2011	4:17.64	4:05.52
50 Fly	Lois Kivi Nochman	4/15/2007	50.10	Gail Roper	5/16/2009	48.85	45.57	Gail Roper	3/7/2009	47.37	46.21
100 Fly	Lois Kivi Nochman	4/22/2007	1:54.16	Gail Roper	11/22/2009	1:58.02	1:50.08	Lois Nochman	5/21/2004	2:06.55	1:54.93
200 Fly	Lois Kivi Nochman	4/24/2005	4:05.12	Lois Kivi Nochman	10/28/2007	4:35.51	4:10.18	Lois Nochman	5/21/2004	4:34.86	4:15.19
100 I.M.	Nanette Bohl	4/19/2009	1:44.34	Gail Roper	5/16/2009	1:44.95	1:42.46	Ann Hirsch	7/10/2011	4:18.27	3:54.07
200 I.M.	Ann Hirsch	2/12/2011	3:53.17	Gail Roper	5/17/2009	3:55.51	3:43.73	Ann Hirsch	7/10/2011	4:18.27	3:54.07
400 I.M.	Jean Troy	2/17/2008	8:16.02	Gail Roper	10/31/2009	8:39.68	8:04.67	Jean Troy	6/10/2007	9:32.43	8:21.88
Women 85-89	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Betty Russ	7/27/2012	41.86	Jean Troy	10/14/2012	46.35	44.68	Jean Troy	7/15/2012	44.97	44.70
100 Free	Margery Meyer	5/10/2009	1:35.48	Jean Troy	10/13/2012	1:43.97	1:43.97	Jean Troy	6/9/2012	1:43.68	1:43.68
200 Free	Betty Russ	7/27/2012	3:29.78	Margery Meyer	9/16/2007	3:54.18	3:54.18	Jean Troy	7/14/2012	3:49.67	3:49.67
400/500 Free	Margery Meyer	4/13/2008	9:14.15	Margery Meyer	9/14/2008	7:58.41	7:58.41	Jean Troy	7/15/2012	8:06.04	8:06.04
800/1000 Free	Margery Meyer	5/10/2009	19:02.30	Betty Lorenzi	10/12/2012	16:25.24	16:49.43	Margery Meyer	7/8/2007	17:09.73	17:09.73
1500/1650 Free	Margery Meyer	5/10/2009	31:15.55	Betty Lorenzi	10/12/2012	30:50.51	31:44.50	Margery Meyer	7/10/2009	32:11.49	32:11.49
50 Back	Aileen Soule	5/19/1981	49.59	Bunny Cederlund	10/15/2006	57.62	56.46	Betty Lorenzi	7/7/2012	51.81	51.81
100 Back	Aileen Soule	5/19/1981	1:55.84	Betty Lorenzi	10/14/2012	1:52.21	2:02.71	Betty Lorenzi	3/10/2012	1:53.28	1:54.22
200 Back	Marjorie Stone	2/8/2002	4:07.66	Bunny Cederlund	10/15/2006	4:36.48	4:18.50	Betty Lorenzi	3/10/2012	4:05.53	4:11.77
50 Breast	Marjorie Stone	6/28/2011	59.96	Marl Gogniat	12/10/1995	1:09.77	58.52	Betty Christian	8/10/2006	1:06.48	57.24
100 Breast	Joan Wayne	6/29/2011	2:12.54	Marl Gogniat	12/10/1995	2:38.48	2:11.80	Jean Troy	7/14/2012	2:32.62	2:09.75
200 Breast	Joan Wayne	6/29/2011	4:40.55	Jean Troy	10/14/2012	5:13.19	5:09.65	Jean Troy	8/12/2012	5:21.96	4:43.93
50 Fly	Lois Kivi Nochman	3/27/2010	57.02	Lois Kivi Nochman	3/15/2009	1:02.04	1:02.04	Lois Kivi Nochman	8/7/2009	1:01.94	1:01.94
100 Fly	Betty Russ	7/27/2012	2:12.10	Lois Kivi Nochman	5/15/2009	2:21.77	2:21.77	Lois Kivi Nochman	8/7/2009	2:23.89	2:23.89
200 Fly	Lois Kivi Nochman	3/7/2010	4:42.19	Lois Kivi Nochman	2/9/2009	4:59.50	4:59.50	Lois Kivi Nochman	7/25/2009	5:07.64	5:07.64
100 I.M.	Margery Meyer	4/19/2009	2:03.29	Jean Troy	10/13/2012	2:09.72	2:11.95	Jean Troy	6/9/2012	5:09.82	5:09.82
200 I.M.	Lois Kivi Nochman	3/7/2010	4:32.38	Lois Kivi Nochman	5/17/2009	4:59.06	4:59.06	Jean Troy	6/30/2012	10:41.24	10:45.77
400 I.M.	Lois Kivi Nochman	3/27/2010	9:39.02	Jean Troy	10/12/2012	10:13.73	10:28.05	Betty Russ			

Women 90-94		SC-Yards	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Aileen Soule	49.68	Rita Simonon	12/6/2008	55.53	Maurine Kornfield	8/13/2011	55.48	54.97				
100 Free		Rita Simonon	1:50.37	Rita Simonon	10/18/2008	2:07.65	Rita Simonon	8/3/2008	2:03.52	2:00.12				
200 Free		Rita Simonon	3:59.22	Rita Simonon	11/8/2008	4:24.90	Rita Simonon	7/20/2008	4:19.80	4:19.80				
400/500 Free		Rita Simonon	10:22.61	Rita Simonon	11/8/2008	9:01.89	Rita Simonon	8/3/2008	9:04.93	9:04.93				
800/1000 Free		Rita Simonon	4:26/2009	Maurine Kornfield	12/4/2011	18:38.69	Rita Simonon	8/14/2008	18:53.58	18:53.58				
1500/1650 Free		Rita Simonon	35:22.28	Rita Simonon	10/5/2008	35:40.38	Rita Simonon	6/1/2008	36:02.20	36:02.20				
50 Back		Aileen Soule	1:01.93	Maurine Kornfield	10/23/2011	1:12.15	Aileen Soule	8/25/1996	1:03.49	1:03.49				
100 Back		Aileen Soule	2:14.66	Rita Simonon	12/4/2010	2:32.24	Aileen Soule	8/25/1996	2:23.23	2:23.23				
200 Back		Aileen Soule	4:42.55	Maurine Kornfield	11/20/2011	5:32.55	Aileen Soule	6/29/1997	5:29.07	5:17.36				
50 Breast		Maria Lenk-Zigler	1:17.70	Rita Simonon	6/8/2008	1:36.78		6/10/2007	1:43.76	1:13.20				
100 Breast		Rita Simonon	3:25.96	Mariana Berkley	11/4/2012	3:41.00	Maria Lenk-Zigler	8/15/2005	3:12.88	2:57.56				
200 Breast		Eva Muller	7:21.02	Charlote Sanddal	10/10/2012	7:56.76	Maria Lenk-Zigler	8/15/2005	6:57.76	6:53.97				
50 Fly		Rita Simonon	1:18.23	Charlote Sanddal	10/11/2012	1:21.95	Rita Simonon	6/1/2008	1:33.12	1:22.05				
100 Fly		Jewel Cooke	3:26.50	Jewel Cooke	2/21/1999	4:06.32								
200 Fly		Jewel Cooke	7:12.95											
100 I.M.		Rita Simonon	2:37.23	Rita Simonon	6/8/2008	2:51.20								
200 I.M.		Rita Simonon	5:40.28	Rita Simonon	10/18/2008	5:58.46	Rita Simonon	8/16/2008	6:30.12	6:30.12				
400 I.M.		Jewel Cooke	13:06.38	Jewel Cooke	2/21/1999	14:55.37								
Women 95-99		SC-Yards	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Marie Kelleher	1:26.17	Mary Latham	12/4/2010	1:43.00	Julia Doice	8/15/2005	1:17.53	1:14.38				
100 Free		Marie Kelleher	3:02.75	Marie Kelleher	5/17/2008	3:10.36	Julia Doice	8/15/2005	3:08.43	2:56.83				
200 Free		Marie Kelleher	6:12.19	Marie Kelleher	5/17/2008	6:50.52	Anne Dunvin	6/2/2012	11:15.91	6:30.34				
400/500 Free		Anna Bauscher	12/7/1997	Anne Dunvin	11/6/2011	21:39.84	Anne Dunvin	6/4/2011	22:01.50	13:52.13				
800/1000 Free		Anne Dunvin	50:44.12							29:29.02				
1500/1650 Free										54:09.81				
50 Back		Edith Hendry	1:26.19	Edith Hendry	12/3/2006	1:27.92	Edith Hendry	7/15/2007	1:39.68	1:19.05				
100 Back		Edith Hendry	3:09.30	Edith Hendry	12/3/2006	3:25.37	Edith Hendry	7/15/2007	3:42.90	2:55.56				
200 Back		Edith Hendry	7:02.33	Edith Hendry	12/3/2006	7:36.62	Edith Hendry	7/15/2007	7:52.01	6:29.89				
50 Breast		Marie Kelleher	1:55.41							2:25.20				
100 Breast														
200 Breast														
50 Fly														
100 Fly														
200 Fly		Marie Kelleher	3:28.34	Marie Kelleher	5/17/2008	3:54.89								
100 I.M.														
200 I.M.														
400 I.M.														



Women 100-104	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free				Marie Kelleher	5/12/2012	1:44.10					5:10.84
100 Free				Marie Kelleher	5/12/2012	3:40.00					
200 Free											
400/500 Free											
800/1000 Free											
1500/1650 Free											
50 Back								3:53.60			
100 Back											
200 Back											
50 Breast											
100 Breast											
200 Breast											
50 Fly											
100 Fly											
200 Fly											
100 I.M.											
200 I.M.											
400 I.M.											

Men 18-24		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Josh Schneider	4/28/2012	19.36	Nick Brunelli	12/11/2005	21.38	21.38	Josh Schneider	7/1/2012	21.78	
100 Free		Andy Grant	1/18/2009	43.77	Nick Brunelli	12/11/2005	48.00	48.00	Josh Schneider	6/28/2012	49.37	
200 Free		Andy Grant	1/18/2009	1:35.02	Nick Brunelli	12/11/2005	1:47.32	1:47.32	Joe Tristan	8/16/1998	1:52.74	
400/500 Free		Andy Grant	1/24/2010	4:24.81	Eric Nilsson	12/10/2011	3:57.08	3:57.08	Hyun Seung Lee	8/13/2007	4:04.68	
800/1000 Free		JP Arnold	2/13/2010	9:01.26	Eric Nilsson	12/9/2011	8:16.50	8:16.50	Peter Galan	8/19/2007	8:44.94	
1500/1650 Free		Andrew Mueller	3/27/2010	15:48.70	Andrew Mueller	10/31/2010	16:08.13	16:08.13	Peter Galan	8/21/2010	17:07.87	
50 Back		Eugene Godsoe	1/28/2012	22.60	Josh Hafkin	3/17/2012	25.38	25.38	Dave Rollins	8/15/2005	26.91	
100 Back		C Gibson	4/15/2007	49.19	Eugene Godsoe	10/29/2011	51.91	51.91	Eugene Godsoe	6/27/2012	53.61	
200 Back		Nelson Silva	5/1/2011	1:48.10	Louis Vayo	12/4/2009	2:01.17	2:01.17	Vicenne Andrade	8/11/2010	2:08.63	
50 Breast		Nelson Westby	4/27/2012	24.87	Gregor Pevelj	11/21/2009	27.83	27.83	Dave Rollins	8/15/2005	28.87	
100 Breast		Nelson Westby	4/28/2012	54.45	Greg Owen	12/11/2005	1:01.75	1:01.75	Dave Rollins	8/15/2005	1:05.76	
200 Breast		Gary Marshall	5/14/2006	1:58.34	Tyler Harris	10/8/2011	2:15.74	2:15.74	Kevin Raab	7/25/1999	2:25.57	
50 Fly		Timothy Phillips	4/27/2012	21.45	Paul Buren	12/7/2003	25.16	25.16	Noah Copeland	7/23/2009	24.83	
100 Fly		Timothy Phillips	4/27/2012	46.86	Eugene Godsoe	10/29/2011	52.25	52.25	Eugene Godsoe	6/30/2012	52.47	
200 Fly		Russell Payne	2/14/2010	1:49.39	Eric Nilsson	12/10/2011	2:03.41	2:03.41	Hyun Seung Lee	8/13/2007	2:08.62	
100 IM.		Romain Barnier	2/18/2001	50.14	Eugene Godsoe	10/20/2011	55.71	55.71	Dave Rollins	8/15/2005	2:09.30	
200 IM.		Russell Payne	2/14/2010	1:49.35	Nick Brunelli	12/11/2005	2:00.32	2:00.32	Dave Rollins	8/15/2005	2:09.30	
400 IM.		Russell Payne	2/13/2010	3:50.12	Sergey Marniuk	11/14/1993	4:28.54	4:28.54	Peter Galan	8/21/2010	4:44.53	
Men 25-29		SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free		Fred Bousquet	2/13/2010	18.67	Peel/Wagner	93---96	22.48	22.11	Kevin DeJorrest	8/28/1983	22.59	22.59
100 Free		Andy Grant	4/18/2010	42.58	Bjorn Zikarsky	12/10/1995	49.91	48.58	Nick Shackell	8/13/2000	50.74	50.74
200 Free		Andy Grant	4/16/2010	1:33.86	John Kappeler	12/10/1995	1:48.81	1:48.81	John Kappeler	3/12/1996	1:51.00	1:52.17
400/500 Free		Andy Grant	4/17/2010	4:20.82	Alex Kostich	12/14/1997	3:58.23	3:58.23	Honza Vitazka	8/18/2002	4:00.98	4:00.98
800/1000 Free		Alex Kostich	5/3/1998	9:25.88	Alex Kostich	12/14/1997	8:14.75	8:07.91	Alex Kostich	6/29/1997	8:24.67	8:24.67
1500/1650 Free		Alex Kostich	5/3/1998	15:44.70	Alex Kostich	12/14/1997	15:41.81	15:29.68	Alex Kostich	8/10/1997	16:13.89	16:13.89
50 Back		Adam Mania	4/16/2010	21.46	Kevin Doak	12/2/2007	25.15	25.05	Adam Mania	5/22/2011	26.05	26.18
100 Back		Adam Mania	4/15/2010	45.95	Kevin Doak	3/15/2009	55.26	54.23	Adam Mania	8/3/2011	55.15	56.80
200 Back		Adam Mania	11/18/2011	1:46.57	John Kappeler	12/10/1995	2:02.63	1:56.22	John Kappeler	8/23/1992	2:07.57	2:03.62
50 Breast		Mark Gangloff	5/21/2010	23.87	Corey Welch	10/10/2008	28.46	27.69	Mark Gangloff	8/4/2011	27.96	27.96
100 Breast		Mark Gangloff	5/22/2010	52.30	Gary Marshall	12/5/2009	1:01.62	1:00.28	Bj Johnson	6/25/2012	1:01.41	1:02.65
200 Breast		Gary Marshall	5/20/2007	1:57.46	Corey Welch	6/22/2008	2:19.27	2:14.44	Bj Johnson	6/29/2012	2:11.47	2:16.70
50 Fly		Sabri Muhammad	4/25/2004	21.15	Oswaldo Quevedo	10/2/2005	24.98	23.66	Kohhei Kawamoto	8/16/2008	23.71	23.71
100 Fly		Jayne Cramer	3/7/2010	47.51	Jeff Dash	11/15/2008	53.82	52.92	Kohhei Kawamoto	8/15/2008	53.09	53.09
200 Fly		Erik Scalise	5/20/2007	1:47.62	Jason Eaddy	12/15/2002	2:03.59	1:59.74	Jason Eaddy	7/21/2002	2:05.76	2:03.26
100 IM.		Mark Gangloff	5/22/2010	1:48.18	Jeff Cummings	8/24/2003	56.65	55.13	Honza Vitazka	8/18/2002	2:06.33	2:05.98
200 IM.		Mark Gangloff	5/22/2010	3:52.43	John Kappeler	12/10/1995	4:26.79	4:14.51	Honza Vitazka	8/18/2002	4:32.19	4:30.05

Men 30-34	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Nicholas Brunelli	1/28/2012	19.65	Nicholas Brunelli	10/29/2011	21.98	21.98	Nicholas Brunelli	6/30/2012	22.39	22.53
100 Free	Mike Picotte	12/19/2004	44.53	Tamas Kerekjarto	12/24/2009	49.30	49.04	Nicholas Brunelli	6/28/2012	49.63	50.84
200 Free	Jon Olsen	5/16/1999	1:38.03	Tamas Kerekjarto	10/24/2009	1:49.58	1:46.52	Tamas Kerekjarto	7/26/2009	1:53.46	1:53.15
400/500 Free	Matthew Cellinski	2/25/1996	4:29.49	Tamas Kerekjarto	10/4/2009	3:57.47	3:57.47	Erik Hochstein	8/11/2002	4:05.61	3:58.42
800/1000 Free	Joshua Woodruff	3/23/2003	9:25.93	Alex Kostich	12/10/2000	8:17.06	8:17.06	Rowdy Gaines	11/14/1993	8:40.19	8:08.53
1500/1650 Free	Jeff Erwin	5/12/1996	15:51.57	Alex Kostich	12/10/2000	15:51.07	15:51.07	Bobby Patten	8/22/1993	16:36.06	15:25.79
50 Back	Kevin Doak	1/15/2012	22.64	Danya Buyukuncu	10/24/2009	24.81	24.81	Kevin Doak	7/7/2012	26.42	26.02
100 Back	Kevin Doak	1/15/2012	48.93	Danya Buyukuncu	10/24/2009	52.68	52.68	Nicholas Brunelli	6/28/2012	55.55	56.55
200 Back	Nicholas Brunelli	1/28/2012	1:47.33	Danya Buyukuncu	11/1/2009	1:55.46	1:55.46	Sean Murphy	7/9/1994	2:05.62	2:02.75
50 Breast	Ed Moses	4/30/2011	24.84	Jeff Cummings	12/7/2008	28.01	27.11	Jeff Cummings	8/7/2006	29.01	28.59
100 Breast	Ed Moses	5/1/2011	53.44	Ed Moses	10/8/2011	1:00.81	1:00.72	Mark Gangloff	6/25/2012	1:00.21	1:02.71
200 Breast	Ed Moses	5/1/2011	1:56.02	Roque Santos	12/12/1999	2:17.56	2:12.58	Gary Marshall	7/7/2012	2:18.04	2:18.04
50 Fly	Zsolt Gaspar	12/5/2009	21.44	Zsolt Gaspar	11/1/2009	24.44	24.44	Kevin Doak	7/8/2012	24.59	24.15
100 Fly	Zsolt Gaspar	5/21/2010	47.77	Tamas Kerekjarto	11/7/2009	54.10	52.63	Kevin Doak	7/6/2012	54.83	54.19
200 Fly	Peter Egan	5/16/1994	1:49.52	Tamas Kerekjarto	10/4/2009	2:00.50	1:57.46	Matt Haupt	8/11/2010	2:03.76	2:03.76
100 I.M.	Nicholas Brunelli	4/28/2012	49.81	Nicholas Brunelli	10/29/2011	55.77	55.00	Isvan Balhazi	8/23/2009	2:05.52	2:03.54
200 I.M.	Ronald Karnaugh	5/4/1997	1:47.62	Tamas Kerekjarto	12/4/2009	1:57.68	1:57.68	Sean Murphy	7/9/1994	4:40.22	4:31.36
400 I.M.	Ronald Karnaugh	5/4/1997	3:53.81	Tamas Kerekjarto	12/5/2009	4:19.69	4:19.69	Sean Murphy	7/9/1994	4:40.22	4:31.36

Men 35-39	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Josh Davis	5/2/2008	20.14	Felipe Delgado	12/5/2009	22.73	21.53	Brian Jacobson	6/30/2012	23.35	22.76
100 Free	Vlad Pysmenko	4/20/2009	44.24	Michael Picotte	11/6/2009	50.72	49.53	Rowdy Gaines	7/16/1995	51.49	50.78
200 Free	Josh Davis	5/4/2008	1:36.56	Erik Hochstein	12/14/2003	1:51.31	1:51.31	Vlad Pysmenko	8/6/2006	1:52.84	1:52.84
400/500 Free	Ronald Karnaugh	5/17/2002	4:33.97	Erik Hochstein	12/14/2003	3:57.77	3:57.77	Rowdy Gaines	7/16/1995	4:07.64	4:05.91
800/1000 Free	Eric Christensen	5/20/2010	9:27.97	Alex Kostich	12/6/2009	8:16.19	8:16.19	Rowdy Gaines	11/12/1995	8:38.73	8:18.44
1500/1650 Free	Jeff Erwin	5/18/2003	15:53.88	Alex Kostich	12/4/2009	15:56.57	15:56.57	Christopher Derks	8/14/2008	16:32.72	16:00.04
50 Back	Josh Davis	5/4/2008	22.70	Edison Silva	10/18/2009	25.72	25.72	Edison Silva	8/8/2009	27.03	27.03
100 Back	Josh Davis	5/4/2008	49.12	Michael Ross	12/5/2004	55.95	55.95	Michael Ross	8/10/2006	59.18	59.18
200 Back	Josh Davis	5/4/2008	1:47.72	Ron Kamaugh	12/8/2002	2:00.34	2:00.34	Ron Kamaugh	7/29/2001	2:07.16	2:09.26
50 Breast	Steve West	5/21/2010	25.35	Jeff Cummings	12/6/2009	27.79	27.79	Jeff Cummings	5/25/2009	28.53	28.47
100 Breast	Jeff Cummings	4/29/2011	55.12	Jeff Cummings	12/20/2009	1:01.47	1:01.47	Jeff Cummings	6/25/2012	1:04.16	1:02.72
200 Breast	Ron Kamaugh	12/16/2001	1:59.23	Steve West	12/4/2011	2:15.64	2:15.64	Steve West	8/6/2011	2:20.34	2:20.29
50 Fly	Josh Davis	4/29/2011	22.26	Igor Marchenko	11/20/2011	25.14	23.72	Wade King	8/18/2002	25.00	24.69
100 Fly	Josh Davis	1/15/2012	49.35	Igor Marchenko	12/4/2011	54.27	54.27	Michael Ross	8/15/2004	56.07	55.84
200 Fly	Bobby Patten	5/16/1999	1:50.74	Bobby Patten	11/20/1999	2:04.50	2:03.05	Jeff Stuart	6/28/1996	2:06.74	2:06.74
100 I.M.	Josh Davis	5/4/2008	50.06	Ron Kamaugh	12/7/2003	56.94	56.37	Ron Kamaugh	1/27/2002	2:05.64	2:08.19
200 I.M.	Ron Kamaugh	12/22/2002	1:46.74	Ron Kamaugh	12/8/2002	2:03.29	2:03.29	Ron Kamaugh	7/29/2001	4:34.10	4:42.45
400 I.M.	Ron Kamaugh	12/16/2001	3:56.76	Ron Kamaugh	12/7/2003	4:24.36	4:24.36	Ron Kamaugh	7/29/2001	4:34.10	4:42.45

Men 40-44	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Michael Ross	4/26/2009	20.84	Erik Hochstein	12/6/2008	23.25	23.06	David Boatwright	7/13/2003	24.14	23.86
100 Free	Michael Ross	5/4/2008	45.35	Michael Ross	12/6/2008	50.43	50.43	Vlad Pysmenko	8/12/2010	51.72	51.72
200 Free	Michael Ross	5/4/2008	1:38.94	Michael Ross	12/6/2008	1:50.08	1:50.08	Vlad Pysmenko	8/2/2010	1:53.65	1:53.65
400/500 Free	Alex Kostich	5/6/2010	4:39.86	Erik Hochstein	10/4/2009	4:01.32	4:00.67	Erik Hochstein	7/24/2009	4:06.74	4:06.74
800/1000 Free	Alex Kostich	5/7/2010	9:32.66	Alex Kostich	12/4/2011	8:21.78	8:21.78	Alex Kostich	7/25/2010	8:37.81	8:37.81
1500/1650 Free	Alex Kostich	5/9/2010	15:51.52	Mike Shafer	12/4/2009	16:09.32	16:07.46	Alex Kostich	7/23/2010	16:36.91	16:36.91
50 Back	Michael Ross	4/26/2009	22.77	Michael Ross	12/12/2009	25.53	25.53	Michael Ross	8/23/2008	27.47	27.38
100 Back	Michael Ross	4/26/2009	48.49	Michael Ross	12/7/2008	54.85	54.85	Michael Ross	8/7/2009	59.08	59.08
200 Back	Michael Ross	5/4/2008	1:50.09	Michael Ross	12/14/2008	2:03.84	2:03.84	Sean Murphy	8/10/2006	2:13.37	2:12.77
50 Breast	Steve West	4/27/2012	25.69	Roque Santos	12/6/2009	29.22	28.86	Steve West	7/8/2012	29.38	28.84
100 Breast	Steve West	4/28/2012	55.79	Roque Santos	12/5/2009	1:03.33	1:02.42	Steve West	7/6/2012	1:03.76	1:03.60
200 Breast	Steve West	4/29/2012	2:00.78	Roque Santos	12/6/2009	2:16.03	2:15.95	Steve West	7/7/2012	2:19.01	2:18.94
50 Fly	Michael Ross	4/26/2009	22.61	Michael Ross	12/6/2008	24.91	24.91	Michael Ross	8/6/2009	25.57	25.07
100 Fly	Michael Ross	5/4/2008	49.27	Michael Ross	12/14/2008	55.82	55.57	Michael Ross	8/23/2008	56.43	56.17
200 Fly	Dennis Baker	4/14/2002	1:50.61	William Specht	10/11/1998	2:02.97	2:02.97	Dennis Baker	7/11/2004	2:05.55	2:05.55
100 I.M.	Michael Ross	5/23/2010	51.85	Michael Ross	10/18/2008	57.71	57.39				
200 I.M.	Michael Ross	4/26/2009	1:51.85	Roque Santos	12/4/2009	2:05.46	2:05.46	Erik Hochstein	7/25/2009	2:14.13	2:10.63
400 I.M.	Roque Santos	4/19/2009	4:01.87	Roque Santos	11/16/2008	4:32.05	4:31.92	Dennis Baker	8/15/2005	4:49.42	4:43.00
Men 45-49	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Richard Hughey	5/21/2010	21.06	Fritz Bedford	12/13/2009	23.80	23.67	Paul Smith	8/10/2006	24.29	24.26
100 Free	David Sims	5/22/2010	46.46	Paul Smith	12/2/2007	52.54	51.30	Jack Groselle	8/23/1999	53.90	53.77
200 Free	David Sims	5/21/2010	1:41.69	Paul Smith	12/2/2007	1:56.00	1:52.87	Keith Switzer	8/6/2009	1:57.89	1:57.89
400/500 Free	Dennis Baker	5/20/2007	4:39.10	Keith Switzer	11/12/2009	4:09.19	4:05.90	Dennis Baker	7/19/2008	4:09.20	4:11.07
800/1000 Free	Keith Switzer	5/20/2010	9:43.93	Keith Switzer	10/15/2010	8:42.85	8:39.81	Jeff Erwin	8/9/2010	8:51.98	8:42.85
1500/1650 Free	Jeff Erwin	5/20/2010	16:08.05	Keith Switzer	10/15/2011	16:37.25	16:28.63	Jeff Erwin	8/10/2009	16:38.81	16:38.81
50 Back	Chris Stevenson	4/29/2012	23.96	Chris Stevenson	12/12/2009	27.02	27.02	Steve Wood	6/7/2008	28.05	28.05
100 Back	Chris Stevenson	4/30/2011	51.55	Chris Stevenson	12/13/2009	57.00	57.00	Steve Wood	6/8/2008	1:00.13	1:00.13
200 Back	Rich Saeger	5/13/2011	1:53.97	Chris Stevenson	12/12/2009	2:05.54	2:05.54	Rich Saeger	8/12/2012	2:13.37	2:13.37
50 Breast	Wally Dicks	12/20/2008	26.58	Chris Weissman	12/5/2009	29.85	28.87	David Guthrie	6/8/2008	30.59	29.63
100 Breast	Chris Weissman	4/19/2009	57.87	Chris Weissman	12/5/2009	1:04.69	1:04.62	David Guthrie	8/16/2008	1:07.38	1:06.35
200 Breast	David Guthrie	5/10/2009	2:08.33	Glenn Mills	6/22/2008	2:22.68	2:22.68	David Guthrie	8/17/2008	2:27.79	2:24.91
50 Fly	Paul Smith	5/4/2008	22.67	Fritz Bedford	12/13/2009	25.74	25.74	Nicholas Decker	7/8/2012	25.65	25.65
100 Fly	David Sims	5/21/2010	50.90	Paul Carter	12/14/2003	57.17	56.78	Paul Carter	8/4/2002	56.42	56.85
200 Fly	Dennis Baker	12/6/2008	1:50.73	Dennis Baker	11/19/2006	2:06.40	2:06.40	Dennis Baker	7/19/2008	2:04.07	2:06.94
100 I.M.	Richard Hughey	5/23/2010	52.14	Anders Rasmussen	11/22/2009	1:00.14	57.68				
200 I.M.	David Sims	4/29/2012	1:56.14	Jerome Frenstos	3/20/2010	2:09.71	2:04.64	Jerome Frenstos	8/22/2010	2:14.90	2:11.22
400 I.M.	Dennis Baker	5/21/2010	4:14.17	Jerome Frenstos	9/26/2010	4:43.64	4:42.15	Jerome Frenstos	8/21/2010	4:47.65	4:44.76

Men 50-54	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Ambrose Gaines	4/29/2011	21.36	Rowdy Gaines	10/19/2009	23.38	23.38	Ambrose Gaines	8/9/2009	24.58	24.08
100 Free	Ambrose Gaines	5/10/2009	46.59	Rowdy Gaines	10/17/2009	51.61	51.61	Jack Groselle	3/21/2004	54.93	54.94
200 Free	Ambrose Gaines	5/10/2009	1:43.76	Rowdy Gaines	10/14/2011	1:54.61	1:54.61	Dan Stephenson	8/13/2007	2:00.34	2:00.34
400/500 Free	Jim McConica	5/20/2001	4:47.57	Jim McConica	12/10/2000	4:07.99	4:07.99	Dan Stephenson	8/13/2007	4:16.61	4:16.61
800/1000 Free	Jim McConica	5/17/2002	9:57.78	Jim McConica	12/10/2000	8:44.51	8:44.51	Jim McConica	8/16/2001	9:03.84	8:55.05
1500/1650 Free	Jim McConica	5/20/2001	16:42.07	Jim McConica	12/10/2000	16:33.02	16:33.02	Jim McConica	8/20/2000	17:08.33	17:08.33
50 Back	Steve Wood	4/3/2011	24.75	Steve Wood	10/15/2011	27.71	27.71	Steve Wood	8/5/2011	28.60	28.60
100 Back	Clay Britt	4/27/2012	53.09	Steve Wood	10/15/2011	59.92	59.92	Steve Wood	8/6/2011	1:01.89	1:01.89
200 Back	Clay Britt	4/28/2012	2:00.59	Jamie Fowler	12/4/2009	2:11.84	2:11.84	Michael Soderlund	6/11/2012	2:17.57	2:17.57
50 Breast	Holden Bank	5/21/2010	26.98	David Guthrie	12/5/2010	30.73	30.73	Richard Schroeder	8/12/2012	30.88	30.88
100 Breast	Jon Blank	5/22/2010	59.94	David Guthrie	12/5/2010	1:06.84	1:06.84	David Guthrie	8/12/2012	1:09.07	1:09.07
200 Breast	Jon Blank	5/23/2010	2:13.77	David Guthrie	12/4/2010	2:28.59	2:28.59	David Guthrie	8/11/2012	2:32.55	2:32.55
50 Fly	Trip Heitrick	4/25/2004	23.19	Paul Carter	12/22/2007	26.12	25.49	Paul Carter	8/16/2008	25.88	25.88
100 Fly	Paul Carter	4/13/2008	51.93	Paul Carter	12/22/2007	57.29	57.29	Paul Carter	8/15/2008	57.23	57.23
200 Fly	William Specht	3/29/2009	2:00.02	Dennis Baker	11/6/2011	2:12.41	2:12.34	Dennis Baker	7/9/2011	2:13.80	2:13.80
100 I.M.	Clay Britt	4/28/2012	54.42	Jamie Fowler	12/6/2009	1:01.29	1:01.29	Jamie Fowler	7/25/2009	2:18.05	2:18.05
200 I.M.	Ken Shilling	5/10/2009	2:00.82	Jamie Fowler	12/4/2009	2:13.40	2:13.40	Jamie Fowler	7/26/2009	5:04.32	5:04.32
400 I.M.	Michael Mann	5/10/2009	4:23.94	Jamie Fowler	12/5/2009	4:51.57	4:48.02	Jamie Fowler			
Men 55-59	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Richard Abrahams	4/30/2000	21.82	Paul Trevisan	4/1/2006	24.70	24.70	Jack Groselle	7/7/2009	25.01	25.01
100 Free	Richard Abrahams	4/30/2000	48.37	Jack Groselle	4/5/2009	54.50	54.50	Jack Groselle	7/23/2009	56.08	56.08
200 Free	Michael Mann	4/10/2010	1:48.79	Michael Mann	11/21/2009	1:59.08	1:59.08	Michael Mann	7/26/2009	2:04.01	2:04.01
400/500 Free	Michael Mann	4/11/2010	4:56.82	Michael Mann	11/22/2009	4:16.03	4:16.03	Michael Mann	7/25/2009	4:22.49	4:22.49
800/1000 Free	Jim McConica	5/14/2006	10:07.36	Michael Mann	11/21/2009	8:51.34	8:51.34	Michael Mann	7/24/2009	9:00.09	9:00.09
1500/1650 Free	Jim McConica	5/20/2007	17:11.12	Jim McConica	10/2/2005	17:14.15	17:14.15	Michael Mann	8/10/2009	17:22.61	17:22.61
50 Back	Tom Barton	5/1/2011	26.34	Phillip Djang	11/21/2009	29.07	29.07	Tom Barton	8/5/2011	30.01	30.01
100 Back	Tom Barton	4/30/2011	56.55	Tom Barton	10/15/2011	1:03.29	1:03.29	Tom Barton	8/6/2011	1:05.46	1:05.46
200 Back	Tom Barton	3/31/2012	2:03.14	Tom Barton	10/15/2011	2:17.04	2:17.04	Tom Barton	8/4/2011	2:23.84	2:23.84
50 Breast	Timothy Shead	5/4/2008	27.81	Timothy Shead	12/12/2009	31.82	30.50	Jack Groselle	8/7/2009	32.44	31.05
100 Breast	Timothy Shead	5/4/2008	1:01.42	Timothy Shead	12/5/2009	1:09.93	1:08.13	Jack Groselle	7/22/2009	1:12.84	1:11.13
200 Breast	Timothy Shead	5/4/2008	2:17.00	Timothy Shead	12/6/2009	2:33.79	2:33.79	Rick Colella	8/17/2008	2:38.66	2:38.66
50 Fly	Greg Shaw	3/25/2007	24.16	Greg Shaw	12/13/2009	26.93	26.64	Gary Hall	8/6/2009	26.86	26.86
100 Fly	Greg Shaw	3/29/2009	54.09	Greg Shaw	12/17/2006	59.82	59.82	Paul Carter	8/11/2012	1:00.56	1:00.56
200 Fly	Brad Horner	5/23/2010	2:03.18	John Craig	3/21/2009	2:19.72	2:19.72	Brad Horner	8/7/2009	2:18.97	2:18.97
100 I.M.	Timothy Shead	5/4/2008	56.20	Timothy Shead	12/12/2009	1:03.48	1:03.48	Michael Mann	8/9/2009	2:20.83	2:20.83
200 I.M.	Timothy Shead	5/4/2008	2:04.09	Michael Mann	11/22/2009	2:16.44	2:16.44	Michael Mann	7/26/2009	5:04.07	5:04.07
400 I.M.	Michael Mann	4/10/2010	4:28.69	Michael Mann	11/21/2009	4:51.97	4:51.97	Michael Mann			

Men 60-64	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Richard Abrahams	5/22/2005	25.30	Rich Abrahams	12/3/2006	24.90	24.90	Richard Abrahams	8/10/2006	25.23	25.23
100 Free	Richard Abrahams	5/22/2005	49.14	Rich Abrahams	12/7/2008	56.63	56.63	Richard Abrahams	8/15/2005	56.61	56.61
200 Free	Fred Schlicher	3/29/2009	1:54.14	Jim McConica	12/5/2010	2:09.50	2:09.50	Jim McConica	5/16/2010	2:12.57	2:12.57
400/500 Free	Jim McConica	4/29/2012	5:11.17	Jim McConica	12/4/2010	4:37.74	4:37.74	Jim McConica	8/11/2012	4:40.00	4:40.00
800/1000 Free	Jim McConica	5/13/2011	10:47.42	Jim McConica	12/4/2011	9:31.23	9:31.23	Jim McConica	8/12/2012	9:35.50	9:35.50
1500/1650 Free	Jim Clemmons	5/20/2010	17:59.55	Jim McConica	12/3/2010	18:24.21	18:24.21	Jim McConica	6/6/2010	18:12.09	18:12.09
50 Back	High Wilder	5/4/2008	26.82	High Wilder	12/5/2009	30.80	30.80	Hugh Wilder	6/2/2007	31.46	31.46
100 Back	High Wilder	5/4/2008	59.29	Hugh Wilder	12/5/2009	1:07.31	1:07.31	Hugh Wilder	6/2/2007	1:08.77	1:08.77
200 Back	Tim Bimie	5/10/2009	2:13.13	Jim McConica	12/3/2010	2:29.60	2:29.60	Jim McConica	5/6/2012	2:33.94	2:33.94
50 Breast	Robert Strand	5/14/2006	29.32	Robert Strand	12/6/2009	32.31	32.31	Timothy Stead	6/13/2012	32.87	32.80
100 Breast	Rick Colella	4/15/2012	1:04.70	Rick Colella	11/13/2011	1:11.77	1:11.77	Timothy Stead	7/6/2012	1:14.14	1:14.14
200 Breast	Richard Abrahams	5/22/2005	2:41.01	Rick Colella	11/13/2011	2:37.61	2:37.61	Rick Colella	7/7/2012	2:42.84	2:42.84
50 Fly	Richard Abrahams	5/22/2005	24.46	Rich Abrahams	12/6/2008	27.87	27.87	Richard Abrahams	8/15/2005	27.92	27.92
100 Fly	Richard Abrahams	5/22/2005	54.92	Rich Abrahams	12/3/2008	1:03.76	1:03.76	Richard Abrahams	8/15/2005	1:03.03	1:03.03
200 Fly	Lawrence Day	4/16/2011	2:10.06	Scott Lautman	10/20/2012	2:29.40	2:30.18	Lawrence Day	8/15/2005	2:29.05	2:29.05
100 I.M.	Rck Colella	4/15/2012	58.69	Rick Colella	11/13/2011	1:06.29	1:06.29	Timothy Stead	6/13/2012	2:30.05	2:30.05
200 I.M.	Rck Colella	2/19/2012	2:08.77	Tim Broderick	10/15/2011	2:28.47	2:28.47	Timothy Stead	7/6/2012	5:11.73	5:11.73
400 I.M.	Rck Colella	4/15/2012	4:33.96	Rick Colella	11/13/2011	5:04.54	5:04.54	Rick Colella	7/6/2012	5:11.73	5:11.73
Men 65-69	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Richard Abrahams	5/23/2010	22.10	Richard Abrahams	10/14/2012	25.62	25.62	Richard Abrahams	8/12/2010	26.33	26.33
100 Free	Richard Abrahams	5/22/2010	49.42	Richard Abrahams	10/13/2012	58.58	58.68	Richard Abrahams	8/12/2010	1:00.38	1:00.38
200 Free	Richard Abrahams	5/21/2010	1:57.54	David Quiggin	10/17/2009	2:15.39	2:15.39	Tom Landis	8/15/2008	2:18.53	2:18.53
400/500 Free	Tom Landis	5/20/2007	5:37.64	Tom Landis	2/18/2007	4:55.56	4:55.56	Tom Landis	3/10/2007	5:00.26	5:00.26
800/1000 Free	Tom Landis	5/20/2007	11:41.40	Tom Landis	5/18/2008	10:21.09	10:16.06	Tom Landis	6/10/2007	10:25.94	10:25.94
1500/1650 Free	Tom Landis	5/20/2007	19:16.25	Tom Landis	2/18/2007	19:32.78	19:32.78	Tom Landis	4/6/2008	20:01.0	20:00.97
50 Back	Richard Abrahams	5/23/2010	27.74	Richard Burns	12/7/2008	31.64	31.64	Tom Landis	7/12/2012	30.95	30.95
100 Back	High Wilder	6/9/2012	1:00.58	Richard Burns	11/22/2009	1:10.16	1:10.16	Hugh Wilder	7/8/2012	1:09.79	1:09.79
200 Back	Richard Burns	5/10/2009	2:18.14	Richard Burns	12/4/2009	2:34.97	2:34.97	Richard Burns	8/6/2009	2:41.76	2:40.95
50 Breast	Peter Andersen	5/10/2009	30.66	Robert Strand	12/4/2011	34.36	33.86	Richard Burns	7/8/2012	34.66	34.61
100 Breast	Robert Strand	4/17/2011	1:07.63	Robert Strand	12/3/2011	1:16.60	1:16.60	Kenneth Strand	8/6/2009	1:18.11	1:18.11
200 Breast	Robert Strand	5/1/2011	2:30.17	Robert Strand	12/4/2011	2:49.34	2:49.34	Robert Strand	7/7/2012	2:58.13	2:58.13
50 Fly	Richard Abrahams	5/22/2010	24.94	Richard Abrahams	12/4/2010	28.99	28.99	Keele Ludwig	8/16/2008	28.68	28.54
100 Fly	Richard Abrahams	5/21/2010	56.36	Richard Abrahams	12/5/2010	1:06.60	1:05.90	Richard Abrahams	8/11/2010	1:07.34	1:07.34
200 Fly	Robert Poletman	2/14/2010	2:23.38	Robert Poletman	11/15/2008	2:38.71	2:38.71	Robert Poletman	6/6/2009	2:50.18	2:47.60
100 I.M.	Richard Burns	5/23/2010	1:00.32	Richard Burns	12/5/2010	1:10.42	1:10.42	Richard Burns	8/9/2009	2:43.37	2:43.37
200 I.M.	Richard Burns	5/22/2010	2:20.31	Richard Burns	12/4/2009	2:38.42	2:38.42	Richard Burns	7/6/2012	5:52.50	5:52.50
400 I.M.	Richard Burns	5/21/2010	5:12.42	Richard Burns	12/5/2009	5:50.91	5:37.22	George Wendt	7/6/2012	5:52.50	5:52.50

Men 70-74		SC-Yards	USMS	Date	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Jeff Farrell	24.13	5/4/2008	Jeff Farrell	12/6/2008	27.70	27.70	27.70	Jeff Farrell	7/14/2007	28.53	28.35
100 Free	Jeff Farrell	56.05	5/4/2008	Jeff Farrell	12/22/2007	1:03.33	1:03.33	1:03.33	Cay Cavanaugh	8/15/2005	1:05.40	1:05.40
200 Free	Tom Landis	2:08.68	4/27/2012	Graham Johnston	12/9/2001	2:24.31	2:24.31	2:24.31	David Radcliff	8/15/2008	2:26.20	2:26.20
400/500 Free	Graham Johnston	5:51.37	5/20/2001	Graham Johnston	3/16/2002	5:09.75	5:09.75	5:09.75	Graham Johnston	5/4/2001	5:12.05	5:12.05
800/1000 Free	Graham Johnston	12:19.05	5/20/2001	Graham Johnston	10/12/2001	10:52.68	10:52.68	10:52.68	Graham Johnston	3/24/2002	10:45.92	10:45.92
1500/1650 Free	Graham Johnston	20:29.18	5/20/2001	Graham Johnston	10/6/2001	20:54.56	20:54.56	20:54.56	Graham Johnston	8/16/2001	20:36.66	20:36.66
50 Back	Yoshi Oyakawa	30.25	4/25/2004	Yoshi Oyakawa	12/7/2003	33.90	33.90	33.90	Yoshi Oyakawa	8/17/2003	35.31	34.90
100 Back	Yoshi Oyakawa	1:06.83	4/25/2004	Yoshi Oyakawa	11/12/2003	1:15.85	1:15.85	1:15.85	Yoshi Oyakawa	8/8/2004	1:19.12	1:16.64
200 Back	Burwell Jones	2:28.11	5/18/2003	Burwell Jones	10/12/2003	2:51.24	2:51.24	2:51.24	Burwell Jones	8/15/2005	2:55.19	2:48.10
50 Breast	John Kortheuer	33.19	4/22/2001	Jeff Farrell	12/2/2007	37.26	37.26	35.85	Karl Wiedemann	4/21/2008	37.47	37.23
100 Breast	John Kortheuer	1:15.24	4/22/2001	Ronald Johnson	10/5/2003	1:25.11	1:23.70	1:23.70	Karl Wiedemann	4/19/2008	1:24.71	1:24.71
200 Breast	Mike Freshley	2:46.46	4/15/2011	Mike Freshley	11/20/2011	3:07.85	3:05.27	3:05.27	Karl Wiedemann	4/23/2008	3:07.50	3:04.79
50 Fly	David Costill	3:30/2008	29/2/2008	Bert Petersen	2/17/2008	3:15.55	3:15.55	3:15.55	Ronald Johnson	8/19/2001	32.11	31.49
100 Fly	David Costill	1:08.12	2/9/2008	Hugh Roddin	3/17/2012	1:18.38	1:14.82	1:14.82	Richard Kitchell	6/5/2010	1:20.52	1:16.47
200 Fly	Richard Kitchell	2:44.79	4/17/2011	Hugh Roddin	3/17/2012	3:13.99	2:51.32	2:51.32	Richard Kitchell	7/3/2010	3:10.53	2:53.86
100 I.M.	Jeff Farrell	1:06.94	5/4/2008	Ronald Johnson	6/16/2001	1:15.92	1:14.73	1:14.73	Tom Landis	5/12/2012	2:56.72	2:45.60
200 I.M.	Dave Costill	2:23/2008	2/23/2008	Burwell Jones	10/26/2003	2:51.73	2:42.44	2:42.44	Tom Landis	7/6/2012	6:24.76	5:57.81
400 I.M.	Burwell Jones	5:34.47	4/27/2003	Burwell Jones	10/26/2003	6:21.46	5:58.19	5:58.19	Tom Landis			
Men 75-79		SC-Yards	USMS	Date	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Jeff Farrell	25.58	3/4/2012	David Radcliff	4/19/2009	30.15	30.15	30.15	David Radcliff	7/11/2009	30.28	30.28
100 Free	David Radcliff	58.68	5/10/2009	David Radcliff	4/19/2009	1:05.13	1:05.13	1:05.13	David Radcliff	7/12/2009	1:06.63	1:06.63
200 Free	David Radcliff	2:08.77	5/10/2009	David Radcliff	4/18/2009	2:27.53	2:27.53	2:27.53	David Radcliff	6/6/2009	2:25.66	2:25.66
400/500 Free	David Radcliff	6:03.87	5/6/2010	David Radcliff	4/18/2009	5:15.10	5:15.10	5:15.10	David Radcliff	3/7/2009	5:17.77	5:17.77
800/1000 Free	David Radcliff	12:29.59	5/10/2009	David Radcliff	4/17/2009	10:59.10	10:59.10	10:59.10	David Radcliff	7/10/2009	11:07.90	11:07.90
1500/1650 Free	David Radcliff	20:25.49	5/10/2009	David Radcliff	4/17/2009	20:39.50	20:39.50	20:39.50	David Radcliff	7/10/2009	21:03.06	21:03.06
50 Back	Yoshi Oyakawa	32.11	4/19/2009	Yoshi Oyakawa	11/6/2008	35.51	35.51	35.51	Yoshi Oyakawa	8/16/2008	36.14	36.14
100 Back	Burwell Jones	1:08.55	4/19/2009	Burwell Jones	12/6/2009	1:18.47	1:18.47	1:18.47	Burwell Jones	6/14/2009	1:20.98	1:20.98
200 Back	Burwell Jones	2:31.41	4/17/2010	Burwell Jones	11/22/2009	2:49.20	2:49.20	2:49.20	Burwell Jones	6/13/2010	2:57.72	2:57.72
50 Breast	John Kortheuer	35.64	4/30/2006	Manuel Sanguly	8/19/2008	40.07	39.04	39.04	John Kortheuer	6/3/2006	40.82	39.57
100 Breast	David Costill	1:19.21	3/27/2011	David Costill	10/29/2011	1:31.15	1:26.76	1:26.76	John Kortheuer	6/3/2006	1:34.93	1:29.55
200 Breast	David Costill	2:59.83	4/14/2011	Al Craig	11/11/2003	3:29.54	3:09.09	3:09.09	Robert MacDonald	8/15/2004	3:32.60	3:17.54
50 Fly	David Costill	30.84	4/15/2011	Frank Plemme	12/10/2000	34.83	32.93	32.93	Frank Plemme	8/20/2000	35.66	33.05
100 Fly	David Costill	1:12.71	4/16/2011	Ron Johnson	11/19/2006	1:32.31	1:24.38	1:24.38	Burwell Jones	5/1/2010	1:31.89	1:26.04
200 Fly	Burwell Jones	3:05.76	3/29/2009	Tom Maine	11/9/2002	3:39.51	3:16.99	3:16.99	Anton Cerer	7/5/1992	3:43.56	3:26.21
100 I.M.	David Costill	1:09.69	3/27/2011	Burwell Jones	12/6/2009	1:18.80	1:18.80	1:18.80	Burwell Jones	6/13/2009	3:06.58	3:06.58
200 I.M.	David Costill	2:39/2011	3/27/2011	Burwell Jones	12/5/2009	2:59.26	2:59.26	2:59.26	Burwell Jones	6/14/2009	6:48.48	6:48.48
400 I.M.	Burwell Jones	5:49.90	4/19/2009	Burwell Jones	12/6/2009	6:33.87	6:33.87	6:33.87	Burwell Jones			

Men 80-84	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Frank Plemme	4/10/2005	29.25	Frank Plemme	12/4/2005	32.80	32.58	Frank Plemme	5/22/2005	33.09	31.96
100 Free	Frank Plemme	2/12/2005	1:09.04	Frank Plemme	12/4/2005	1:17.02	1:12.84	Graham Johnston	3/12/2011	1:16.04	1:13.12
200 Free	Graham Johnston	6/28/2011	2:33.31	Graham Johnston	10/6/2011	2:57.47	2:45.24	Graham Johnston	3/12/2011	2:53.74	2:48.76
400/500 Free	Graham Johnston	6/30/2011	7:02.70	Graham Johnston	10/10/2012	6:23.47	5:56.77	Graham Johnston	5/20/2012	6:10.13	6:10.13
800/1000 Free	Graham Johnston	3/30/2012	15:17.73	Graham Johnston	10/11/2012	13:15.75	12:50.97	Graham Johnston	6/9/2012	12:51.45	12:51.45
1500/1650 Free	Graham Johnston	3/30/2012	25:17.92	Ray Taft	12/12/1999	25:35.01	25:18.69	Graham Johnston	7/22/2011	25:10.41	24:40.69
50 Back	Ray Taft	8/14/1999	37.39	Paul Hultinger	11/4/2004	41.58	38.26	Paul Hultinger	6/13/2004	41.40	38.41
100 Back	Ray Taft	4/30/2000	1:24.23	Paul Hultinger	3/20/2004	1:35.77	1:25.77	Ray Taft	8/23/1999	1:35.36	1:26.97
200 Back	Bob Miller	4/29/2011	3:03.89	Ray Taft	12/12/1999	3:23.73	3:10.06	Clarks Mitchell	6/2/2012	3:28.97	3:16.82
50 Breast	John Kortheuer	1/29/2012	39.38	Bob Best	10/7/2012	43.51	41.42	Bob Best	5/20/2012	44.41	41.68
100 Breast	Robert MacDonald	4/19/2009	1:30.70	Frank Plemme	12/4/2005	1:42.05	1:35.96	Robert MacDonald	4/19/2008	1:43.21	1:41.02
200 Breast	Robert MacDonald	4/19/2009	3:19.33	Robert MacDonald	11/6/2009	3:45.57	3:34.21	Al Craig	6/23/2007	3:47.81	3:47.81
50 Fly	Frank Plemme	3/6/2005	35.10	Frank Plemme	11/5/2005	40.24	39.66	Clark Mitchell	8/5/2012	39.05	39.65
100 Fly	Andrew Holden	5/16/1999	1:30.06	Frank Plemme	11/5/2005	1:47.17	1:30.15	Thomas Maine	8/10/2006	1:45.50	1:29.39
200 Fly	Thomas Maine	4/23/2006	3:25.55	Thomas Maine	12/2/2007	3:52.41	3:30.11	Thomas Maine	8/10/2006	3:54.51	3:31.42
100 I.M.	Frank Plemme	3/6/2005	1:22.75	Bob Best	11/4/2012	1:32.49	1:28.76	Thomas Maine	8/15/2005	1:33.94	1:29.66
200 I.M.	Frank Plemme	4/10/2005	3:10.28	Ray Taft	10/10/1999	3:37.04	3:26.48	Frank Plemme	8/15/2005	3:34.94	3:29.63
400 I.M.	Frank Plemme	4/10/2005	6:52.79	Ray Taft	12/12/1999	7:37.58	7:26.06	Thomas Maine	8/10/2006	7:47.73	7:12.63
Men 85-89	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Frank Plemme	3/7/2010	31.92	Frank Plemme	12/4/2010	36.26	34.54	Woodrow Bowersock	8/15/1998	35.77	33.94
100 Free	Frank Plemme	4/18/2010	1:10.92	Jim Eubank	9/16/2000	1:23.20	1:19.42	Frank Plemme	6/6/2010	1:23.25	1:23.25
200 Free	Frank Plemme	5/8/2010	2:50.54	Willard Lamb	12/9/2007	3:12.85	3:12.85	Frank Plemme	7/10/2010	3:16.89	3:13.78
400/500 Free	Frank Plemme	5/7/2010	7:54.01	Willard Lamb	12/13/2009	7:13.19	7:13.19	Frank Plemme	5/16/2010	7:03.07	7:03.07
800/1000 Free	Frank Plemme	5/7/2010	16:28.80	Willard Lamb	5/18/2008	14:04.48	14:04.48	Willard Lamb	4/6/2008	14:36.90	14:36.90
1500/1650 Free	Frank Plemme	3/20/2010	27:48.74	Willard Lamb	1/13/2008	28:17.36	28:17.36	Willard Lamb	4/6/2008	28:35.24	28:35.24
50 Back	Frank Plemme	3/7/2010	42.46	Aldo Da Rosa	10/13/2002	47.34	40.59	Fred Van Dyke	8/10/2006	44.52	39.89
100 Back	Frank Plemme	5/8/2010	1:36.02	Willard Lamb	12/13/2009	1:47.93	1:28.98	Willard Lamb	6/14/2008	1:49.24	1:31.65
200 Back	Willard Lamb	2/2/2008	3:36.68	Willard Lamb	5/18/2008	3:55.12	3:18.29	Willard Lamb	6/14/2008	4:04.33	3:28.59
50 Breast	Frank Plemme	3/7/2010	42.72	Frank Plemme	10/8/2010	47.24	44.47	Frank Plemme	7/24/2010	49.49	45.66
100 Breast	Frank Plemme	4/18/2010	1:34.67	Frank Plemme	11/21/2010	1:53.02	1:43.72	Frank Plemme	7/24/2010	1:51.79	1:51.79
200 Breast	Frank Plemme	3/20/2010	3:46.18	Frank Plemme	12/5/2010	4:05.91	4:05.91	Al Craig	7/22/2012	4:10.75	4:10.75
50 Fly	Frank Plemme	3/7/2010	39.89	Max Von Isser	9/26/2004	43.35	43.35	Frank Plemme	7/3/2010	45.63	45.63
100 Fly	Frank Plemme	3/7/2010	1:41.31	Thomas Maine	10/30/2010	1:53.70	1:53.70	Thomas Maine	8/3/2010	1:55.18	1:55.18
200 Fly	Thomas Maine	1/8/2011	3:43.03	Thomas Maine	10/31/2010	3:44.92	3:44.92	Thomas Maine	7/11/2010	4:15.86	4:15.86
100 I.M.	Frank Plemme	3/7/2010	1:28.37	Frank Plemme	11/7/2010	1:42.41	1:40.78	Thomas Maine	8/3/2010	1:42.41	1:40.78
200 I.M.	Frank Plemme	4/18/2010	3:18.10	Frank Plemme	11/7/2010	3:50.46	3:50.46	Thomas Maine	8/3/2010	3:51.20	3:51.20
400 I.M.	Thomas Maine	2/12/2011	7:30.51	Thomas Maine	10/30/2010	8:12.94	8:12.94	Thomas Maine	7/11/2010	8:21.81	8:21.81

Men 90-94	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Woody Bowersock	9/21/2003	35.96	Woodrow Bowersock	12/14/2003	41.07	41.07	Woody Bowersock	6/23/2003	39.19	40.72
100 Free	Woody Bowersock	3/21/2004	1:27.26	Woodrow Bowersock	12/14/2003	1:39.26	1:39.26	Woody Bowersock	8/11/2003	1:43.22	1:38.05
200 Free	Woody Bowersock	4/25/2004	3:40.64	Woodrow Bowersock	12/14/2003	3:59.28	3:59.28	Woody Bowersock	8/11/2003	4:10.40	3:54.89
400/500 Free	Austin Newman	5/14/2006	10:01.23	Gus Langner	12/11/1993	8:50.65	8:50.65	Woody Bowersock	8/11/2003	9:39.37	8:13.45
800/1000 Free	Austin Newman	5/14/2006	20:31.68	Austin Newman	12/11/2005	18:49.01	18:49.01	Gus Langner	8/11/1993	20:13.74	17:54.42
1500/1650 Free	Austin Newman	5/14/2006	33:59.81	Austin Newman	12/11/2005	35:20.36	35:20.36	Gus Langner	8/22/1993	36:47.02	36:47.02
50 Back	John Merrill	3/25/2007	49.65	John Merrill	12/20/2007	55.25	55.25	John Merrill	6/22/2008	55.45	46.82
100 Back	John Merrill	3/25/2007	1:46.67	Woodrow Bowersock	10/19/2003	2:06.00	1:47.66	Woody Bowersock	6/22/2008	2:10.36	1:45.46
200 Back	John Merrill	3/25/2007	3:54.03	John Merrill	12/14/2008	4:38.42	3:59.25	John Merrill	6/22/2008	4:46.15	4:05.77
50 Breast	Russ Witte	4/15/2007	53.07	Jim Penfield	11/15/1998	1:07.22	55.68	Brad Cleaveland	6/10/2007	1:01.64	57.20
100 Breast	Raymond Hakomaki	1/30/2011	1:58.35	Ole Larson	10/6/2011	2:39.96	2:15.14	Raymond Hakomaki	5/15/2010	2:23.53	2:15.43
200 Breast	Russ Witte	7/2/2007	4:44.50	Ole Larson	10/5/2011	5:46.96	4:59.71	Brad Cleaveland	8/5/2007	5:55.72	5:17.47
50 Fly	Walter Pleiffer	3/21/2004	50.44	Walter Pleiffer	10/19/2003	56.09	56.09	Walter Pleiffer	8/11/2003	1:00.30	1:00.30
100 Fly	Walter Pleiffer	3/21/2004	2:13.93	Walter Pleiffer	10/19/2003	2:21.82	2:21.82	Walter Pleiffer	8/11/2003	2:31.03	2:31.03
200 Fly	Walter Pleiffer	5/2/2004	5:08.18	Walter Pleiffer	10/19/2003	5:37.23	5:37.23	Walter Pleiffer	8/11/2003	5:51.79	5:51.79
100 I.M.	Walter Pleiffer	5/2/2004	2:05.12	Walter Pleiffer	12/14/2003	2:14.23	2:08.86	Walter Pleiffer	8/11/2003	2:31.03	2:31.03
200 I.M.	Walter Pleiffer	3/21/2004	4:38.98	Walter Pleiffer	12/14/2003	5:13.24	5:13.24	Walter Pleiffer	8/11/2003	5:12.11	5:02.64
400 I.M.	Walter Pleiffer	5/2/2004	10:10.57	Walter Pleiffer	10/19/2003	11:15.65	11:15.65	Walter Pleiffer	8/11/2003	11:19.91	11:19.91
Men 95-99	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Gus Langner	11/10/1999	51.31	Gus Langner	10/14/1998	57.57	55.08	Gus Langner	8/21/1998	56.88	55.88
100 Free	Gus Langner	11/10/1999	2:04.54	Gus Langner	10/11/1998	2:19.51	2:09.32	Gus Langner	8/23/1998	2:29.32	2:17.59
200 Free	Gus Langner	11/10/1999	4:35.70	Gus Langner	10/11/1998	5:13.46	5:13.46	Gus Langner	8/23/1998	5:13.23	5:13.23
400/500 Free	Gus Langner	11/10/1999	12:17.44	Gus Langner	10/11/1998	10:51.93	10:51.93	Gus Langner	8/23/1998	11:30.53	11:30.53
800/1000 Free	Gus Langner	4/2/2000	30:05.25	Gus Langner	10/11/1998	22:05.55	22:05.55	Gus Langner	8/23/1998	22:28.28	22:28.28
1500/1650 Free	Gus Langner	4/2/2000	30:05.25	Gus Langner	10/11/1998	41:29.87	41:29.87	Gus Langner	8/23/1999	47:30.40	47:30.40
50 Back	Tom Lane	7/8/1989	1:08.20	Russ Witte	11/5/2011	1:21.53	1:01.25	Tom Lane	8/20/1989	1:18.91	1:01.61
100 Back	Russ Witte	2/12/2012	2:45.86	Russ Witte	11/5/2011	2:56.67	2:21.73	Gary Weisenthal	8/9/2008	3:04.37	2:22.83
200 Back	Donald Pope	4/17/2010	10:05.22	Gus Langner	10/14/1998	8:32.34	6:18.51	Gary Weisenthal	8/9/2008	6:38.69	5:30.07
50 Breast	Russ Witte	2/11/2012	1:03.32	Russ Witte	11/5/2011	1:13.72	1:01.12	Gus Langner	8/23/1998	1:26.61	1:10.83
100 Breast	Russ Witte	2/12/2012	2:34.82	Russ Witte	11/5/2011	3:03.57	2:31.77	Gus Langner	8/21/1998	3:38.45	2:40.08
200 Breast	Russ Witte	2/12/2012	5:49.18	Russ Witte	11/5/2011	6:14.84	5:45.70	Gus Langner	8/21/1998	7:37.17	5:47.31
50 Fly											
100 Fly	Walter Pleiffer	10/5/2008	6:04.41	Walter Pleiffer	10/5/2008	6:04.41	6:04.41	Walter Pleiffer	6/1/2008	201.41	201.41
200 Fly	Gus Langner	10/11/1998	3:33.98	Gus Langner	10/11/1998	3:33.98	3:33.98	Walter Pleiffer	6/1/2008	8:55.97	8:55.97
400 I.M.	Walter Pleiffer	10/5/2008	9:50.55	Walter Pleiffer	10/5/2008	9:50.55	9:50.55	Walter Pleiffer	6/1/2008	17:29.20	17:29.20
200 I.M.	Walter Pleiffer	10/5/2008	2:103.17	Walter Pleiffer	10/5/2008	2:103.17	2:103.17	Walter Pleiffer	6/1/2008	4:09.52	4:09.52
400 I.M.	Walter Pleiffer	10/5/2008	6:04.41	Walter Pleiffer	10/5/2008	6:04.41	6:04.41	Walter Pleiffer	6/1/2008	14:05.25	14:05.25

Men 100-104	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	Tom Lane	6/25/1994	1:31.03	Tom Lane	9/30/1995	2:06.66	1:16.92	Tom Lane	7/9/1994	1:40.46	1:40.46
100 Free	Tom Lane	6/25/1994	3:21.86	Tom Lane	9/30/1995	4:32.29	3:02.22	Tom Lane	7/9/1994	4:05.98	4:05.98
200 Free	Tom Lane	6/25/1994	6:56.32								
400/500 Free											
800/1000 Free											
1500/1650 Free											
50 Back				Tom Lane	9/30/1995	2:02.52	1:45.59	Tom Lane	7/9/1994	1:50.73	1:50.73
100 Back							3:51.54	Tom Lane	7/9/1994	4:13.84	4:13.84
200 Back								Tom Lane	7/9/1994	9:04.31	9:04.31
50 Breast											
100 Breast											
200 Breast											
50 Fly											
100 Fly											
200 Fly											
100 I.M.											
200 I.M.											
400 I.M.											



200 Free Relay	SC-Yards	SC-Meters	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+/72-99	SAN DIEGO	NEW ENGLAND	05-18-03	1:36.25	NEW ENGLAND	12-12-99	1:54.83	1:53.83	FT LAUDERDALE	08-08-09	1:53.83	1:51.41
25+/100-119	SMU MASTERS	MICHIGAN	05-03-08	1:35.40	MICHIGAN	03-31-96	1:45.93	1:50.04	ARIZONA	07-30-11	1:50.04	1:50.08
35+/120-159	ROCKY MTN	RED TIDE	05-18-03	1:36.90	RED TIDE	11-13-12	1:51.99	1:46.93	ILLINOIS	08-15-04	1:52.10	1:50.48
45+/160-199	COLORADO	RED TIDE	04-30-11	1:40.44	RED TIDE	12-05-04	1:49.41	1:48.44	TEAM TYR	08-08-06	1:48.44	1:46.44
55+/200-239	GOLD	NEW ENGLAND	04-09-11	1:53.58	NEW ENGLAND	12-05-04	1:56.19	1:57.21	PNA	08-08-06	1:57.21	1:56.04
65+/240-279	PNA	OREGON	04-28-12	2:16.23	OREGON	10-16-11	2:13.64	2:09.56	PNA	07-06-12	2:09.56	2:09.56
75+/280-319	FACT	VIRGINIA	03-29-09	2:58.48	VIRGINIA	11-06-09	2:42.62	2:25.91	NEW ENGLAND	08-11-96	2:38.52	2:33.19
85+/320-359	FACT	FL MAVERICKS	03-29-09		FL MAVERICKS	10-13-02	3:25.71	3:27.23	VIRGINIA	08-08-09	3:27.23	3:04.88
100 Medley Relay	SC-Yards	SC-Meters	Date <th>USMS</th> <th>SC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th> <th>LC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th>	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+/72-99	CHICAGO	WALNUT CREEK	04-22-12	1:47.44	WALNUT CREEK	10-17-09	2:07.15	2:08.96	FT LAUDERDALE	08-08-09	2:08.96	2:04.99
25+/100-119	SMU	SAN DIEGO	05-04-08	1:45.01	SAN DIEGO	12-10-95	2:05.66	2:01.92	ARIZONA	07-31-11	2:01.91	2:04.92
35+/120-159	COLORADO	RED TIDE NYC	05-14-06	1:48.55	RED TIDE NYC	12-13-09	2:04.31	1:59.09	GOLD	08-23-98	2:04.19	2:04.02
45+/160-199	COLORADO	SAN DIEGO	05-01-11	1:52.93	SAN DIEGO	10-05-03	2:06.09	2:04.61	TEAM TYR	08-08-06	2:04.75	2:04.75
55+/200-239	NEW ENGLAND	GOLD COAST	05-18-12	2:07.59	GOLD COAST	12-04-10	2:15.82	2:15.36	OREGON	08-17-08	2:10.98	2:10.98
65+/240-279	VIRGINIA	OREGON	04-24-05	2:35.40	OREGON	11-05-11	2:27.93	2:27.93	PNA	07-07-12	2:29.28	2:29.28
75+/280-319	FACT	ARIZONA	03-29-09	3:15.12	ARIZONA	12-12-04	3:01.44	2:56.58	ARIZONA	08-15-05	3:09.93	2:57.25
85+/320-359	FACT	WALNUT CREEK	03-29-09		WALNUT CREEK	10-15-11	4:09.65	3:30.57	FACT	03-21-09	3:47.69	3:36.21
400 Free Relay	SC-Yards	SC-Meters	Date <th>USMS</th> <th>SC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th> <th>LC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th>	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+/72-99	RED TIDE NYC	OLYMPIC CLUB	03-29-09	3:38.39	OLYMPIC CLUB	12-04-10	4:58.11	4:19.34	LVM	07-24-10	4:19.34	4:19.38
25+/100-119	WALNUT CREEK	NEW ENGLAND	04-14-91	3:37.75	NEW ENGLAND	12-09-01	4:09.10	4:09.21	WOODLANDS	07-19-09	4:19.72	4:19.72
35+/120-159	TEAM ILL MSTRS	RED TIDE NYC	04-15-07	3:41.97	RED TIDE NYC	12-07-08	4:09.95	4:06.03	STANFORD	07-31-94	4:17.94	4:07.62
45+/160-199	NEW	RED TIDE NYC	04-07-02	3:55.16	RED TIDE NYC	12-13-09	4:03.35	4:03.25	ILLINOIS	08-08-09	4:12.60	4:17.76
55+/200-239	GOLD	OREGON MASTERS	04-10-11	4:15.68	OREGON MASTERS	05-16-10	4:24.69	4:24.69	PNA	08-08-09	4:34.00	4:34.00
65+/240-279	VIRGINIA	TAMALPAIS	04-13-08	5:19.35	TAMALPAIS	10-17-09	4:56.63	4:56.63	GOLD COAST	08-12-11	5:10.93	5:10.93
75+/280-319	WALNUT CREEK	VIRGINIA	04-19-09	6:43.43	VIRGINIA	11-07-09	5:51.39	5:51.39	VIRGINIA	08-08-09	5:53.62	5:07.35
85+/320-359		FL MAVERICK			FL MAVERICK	11-18-07	8:46.29	7:16.31	FMM	01-13-02	5:53.69	7:10.67
800 Free Relay	SC-Yards	SC-Meters	Date <th>USMS</th> <th>SC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th> <th>LC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th>	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+/72-99	TERRAPIN	METRO	04-04-04	4:02.73	METRO	11-21-04	4:42.04	4:32.57	LVM	07-24-10	4:32.57	4:33.52
25+/100-119	SMU MASTERS	ARIZONA	03-30-08	4:02.73	ARIZONA	11-21-10	4:34.40	4:49.16	YMCA INDIAN SFT	08-08-09	4:49.16	4:37.21
35+/120-159	SAN DIEGO	MISSION VIEJO	04-27-03	4:07.99	MISSION VIEJO	12-06-09	4:33.44	4:38.85	ILLINOIS	08-08-09	4:38.85	4:52.79
45+/160-199	OREGON	SAN DIEGO	04-11-10	4:12.53	SAN DIEGO	12-15-98	4:43.51	4:47.76	SAN DIEGO	08-05-01	4:46.33	5:20.67
55+/200-239	GOLD	OREGON MASTERS	04-09-11	4:43.19	OREGON MASTERS	05-16-10	4:52.08	4:52.08	SAN DIEGO	05-25-03	5:13.65	5:33.65
65+/240-279	VIRGINIA	OREGON	04-24-05	5:54.65	OREGON	05-15-11	5:42.34	5:37.82	OREGON	07-09-11	5:33.65	6:56.44
75+/280-319	WALNUT CREEK	ARIZONA	02-22-98	8:44.42	ARIZONA	12-12-04	6:54.56	6:54.59	SDSM	07-22-12	6:56.44	8:27.67
85+/320-359		VIRGINIA			VIRGINIA	11-05-11	9:55.29	8:49.44	FMM	01-13-02	10:19.75	
800 Free Relay	SC-Yards	SC-Meters	Date <th>USMS</th> <th>SC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th> <th>LC-Meters</th> <th>Date</th> <th>USMS</th> <th>World</th>	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+/72-99	RED TIDE NYC	TERRAPIN	03-29-09	7:55.34	TERRAPIN	11-14-04	9:11.28	9:03.90	LVM	07-24-10	9:33.71	9:23.95
25+/100-119	WALNUT CREEK	ARIZONA	04-14-96	7:59.38	ARIZONA	09-24-11	8:58.27	8:57.45	SDSM	07-22-12	9:32.67	9:18.66
35+/120-159	SAN DIEGO	RED TIDE	04-27-03	8:00.23	RED TIDE	11-13-11	8:56.55	8:56.55	GOLD COAST	07-24-99	9:41.97	9:41.26
45+/160-199	WALNUT CREEK	RED TIDE NYC	04-13-08	8:39.13	RED TIDE NYC	12-13-09	8:56.55	8:56.55	MISSION VIEJO	08-08-09	9:36.88	10:14.12
55+/200-239	GOLD	GOLD COAST	02-25-11	9:27.53	GOLD COAST	12-06-09	9:40.96	9:40.96	GOLD COAST	08-23-09	10:05.40	10:14.12
65+/240-279	VIRGINIA	TAMALPAIS	04-13-08	12:03.97	TAMALPAIS	12-04-09	10:58.88	10:58.88	GOLD COAST	06-10-11	11:30.92	11:30.92
75+/280-319	WALNUT CREEK	VIRGINIA	04-13-08	15:39.43	VIRGINIA	11-07-09	13:16.85	13:16.85	VIRGINIA	08-08-09	13:30.94	13:43.35
85+/320-359		MAVERICKS			MAVERICKS	11-04-01	18:25.47	19:49.61	FMM	01-13-02	19:29.28	19:36.35

200 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	Date	USMS	World
18#72-99	NORTH CAROLINA	05-22-10	1:18.32	SOUTH BAY	12-06-09	1:37.95	1:30.73	FLAQ	08-13-07	1:40.10	1:31.95
25#100-119	CLEMSON AQUATIC	05-22-10	1:21.82	EL SEGUNDO	12-14-97	1:35.70	1:35.57	OLYMPIC CLUB	08-08-06	1:35.57	1:35.57
35#120-159	LONGHORN	05-29-10	1:23.32	SCAQ	10-24-09	1:32.97	1:34.82	SCAQ	07-26-09	1:34.82	1:34.82
45#160-199	ARIZONA	05-04-08	1:27.70	LONGHORN	11-16-08	1:35.44	1:33.91	TEAM TYR	08-08-06	1:36.28	1:36.28
55#200-239	OREGON	05-10-09	1:32.18	BLU FROG	10-16-10	1:38.79	1:38.79	COLORADO	08-08-06	1:38.24	1:38.24
55#240-279	SAN DIEGO	04-11-09	1:40.07	BLU FROG	10-14-12	1:43.21	1:49.69	OREGON	08-16-08	1:45.90	1:45.90
75#280-319	SAN DIEGO	04-26-09	2:05.89	GOLD COAST	12-06-09	1:57.07	1:57.07	GOLD	06-21-09	1:59.60	1:59.60
85#320-359	FACT	04-28-12	3:05.24	SOSM	12-03-06	2:25.21	2:20.85	OREGON	07-08-07	2:30.08	2:20.89
95#360-399				COAST MASTERS	12-02-07	4:34.35	3:19.42	COAST MASTERS	08-15-05	3:46.35	3:08.87
200 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	Date	USMS	World
18#72-99	GEORGIA	05-23-10	1:30.47	NEW ENGLAND	12-12-09	1:49.66	1:42.75	OLYMPIC CLUB	08-27-95	1:49.35	1:44.60
25#100-119	CLEMSON	05-23-10	1:31.43	FINS SWIMMING	03-17-12	1:43.14	1:42.75	HOUSTON CLUB	08-20-90	1:48.46	1:44.60
35#120-159	LONGHORN	05-10-09	1:34.16	BAYLOR STAR	04-16-94	1:45.01	1:45.01	MICHIGAN	08-08-09	1:46.23	1:45.71
45#160-199	GEORGIA	05-23-10	1:36.56	LONGHORN	11-16-08	1:45.13	1:45.13	TEAM TYR	08-08-06	1:47.72	1:47.72
55#200-239	OREGON	04-11-09	1:45.32	BLU FROG	10-15-11	1:49.67	1:49.67	COLORADO	08-08-06	1:50.83	1:50.83
55#240-279	SAN DIEGO	05-10-09	1:51.58	GOLD COAST	12-05-09	2:01.03	2:01.03	TAMALPAIS	06-04-12	2:02.72	2:02.72
75#280-319	SAN DIEGO	05-10-09	2:31.71	SAN DIEGO	12-06-08	2:15.49	2:15.49	FLA MVERICK	08-08-09	2:16.74	2:16.74
85#320-359	TEAM TEXAS	11-21-99	3:46.43	SOSM	12-03-06	3:00.48	2:50.63	FLA MVERICK	08-17-03	3:00.89	2:52.80
95#360-399				COAST MASTERS	12-02-07	5:43.79	4:15.49	COAST MASTERS	08-15-05	4:13.67	4:13.40
400 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	Date	USMS	World
18#72-99	WMAC	04-16-10	3:05.05	NEW ENGLAND	12-12-09	3:40.01	3:34.71	GREATER INDIANA	07-18-99	3:42.66	3:41.63
25#100-119	ILLINOIS	04-10-11	3:08.20	MICHIGAN	03-14-10	3:32.54	3:31.87	INDY SWIM	08-08-09	3:37.49	3:36.59
35#120-159	LONGHORN	05-29-10	3:18.25	SCAQ	12-05-09	3:23.69	3:32.44	MICHIGAN	08-08-09	3:34.83	3:38.60
45#160-199	WILDCAT ALUM	05-07-10	3:32.08	LONGHORN	12-05-09	3:32.44	3:40.26	LONGHORN	07-03-11	3:39.60	3:42.34
55#200-239	SYSM	05-15-11	4:03.39	BLU FROG	10-15-11	3:58.97	4:07.34	LONGHORN AQ	08-12-12	4:13.50	4:13.50
65#240-279	GOLD COAST	04-16-10	4:03.39	BLU FROG	10-14-12	3:58.97	4:07.34	VENTURA COUNTY	08-13-11	4:13.50	4:13.50
75#280-319	ILLINOIS	05-03-08	4:57.61	GOLD COAST	12-06-09	4:37.25	4:37.25	GOLD	03-15-08	4:45.40	4:45.40
85#320-359				SAN DIEGO	12-02-07	5:40.37	7:11.61	SAN DIEGO	08-05-07	5:52.37	7:07.64
95#360-399				COAST MASTERS	12-02-07	11:09.64	10:48.33	COAST MASTERS	08-05-07	10:48.33	10:48.33
400 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	Date	USMS	World
18#72-99	MICHIGAN	04-16-10	3:29.49	FINS	06-22-08	3:58.83	3:49.80	GREATER INDIANA	07-18-99	4:11.46	4:24.18
25#100-119	CHICAGO	04-22-12	3:25.49	NEW ENGLAND	07-21-06	3:54.64	3:57.49	INDY SWIM	08-08-09	4:06.58	4:11.70
35#120-159	LONGHORN AQ.	03-05-09	3:28.46	SCAQ	12-06-09	3:57.49	3:53.09	MICHIGAN	08-08-09	4:00.06	4:10.99
45#160-199	TALA	04-10-10	3:38.41	LONGHORN	11-15-08	3:50.93	4:08.29	LONGHORN	07-02-11	4:10.99	4:10.99
55#200-239	VENTURA	04-22-07	4:08.90	BLU FROG	10-15-11	4:08.29	4:08.29	LONGHORN AQ	08-11-12	4:13.76	4:13.76
55#240-279	WALNUT CREEK	04-01-12	4:42.13	BLU FROG	12-06-09	4:38.68	4:38.68	VENTURA	05-16-10	4:46.32	4:46.32
75#280-319	WALNUT CREEK	04-18-10	5:49.57	N CAROLINA	12-11-05	5:17.89	5:26.52	N CAROLINA	06-04-04	5:24.55	5:37.43
85#320-359				SAN DIEGO	12-04-11	6:57.50	6:57.50	SOSM	07-24-11	7:03.00	7:03.00
95#360-399				SAN DIEGO	12-04-11	6:57.50	6:57.50	COAST MASTERS	08-05-07	12:59.05	12:59.05
800 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	Date	USMS	World
18#72-99	DAM	04-04-04	7:05.96	SOUTH BAY	12-04-09	8:16.36	7:51.41	GREATER INDIANA	07-18-99	8:28.72	8:05.05
25#100-119	ILLINOIS	04-10-11	6:59.13	DAVIS AQUATIC	12-10-95	7:57.87	7:44.51	SANTA CLARA	05-29-94	8:04.17	8:05.60
35#120-159	TEAM TYR	05-04-07	6:58.69	SCAQ	12-04-09	7:44.51	7:44.51	SCAQ	07-25-09	8:03.21	8:03.21
45#160-199	WILDCAT ALUM	05-08-10	7:22.85	LONGHORN AQ	12-04-09	7:52.82	8:03.40	TEAM TYR	07-16-06	8:15.15	8:32.61
55#200-239	VENTURA	04-17-11	8:08.33	BLU FROG	10-14-11	8:03.40	8:03.40	ARIZONA	06-09-12	8:41.77	8:41.77
65#240-279	OREGON	05-02-04	9:45.84	VENTURA	10-14-11	9:09.49	9:09.49	VENTURA	08-11-12	9:20.38	9:20.38
75#280-319	ILLINOIS	05-03-08	11:03.44	GOLD COAST	10-14-11	10:28.15	10:28.15	VENTURA	08-25-12	10:36.95	10:36.95
85#320-359				SAN DIEGO	12-04-05	14:16.27	15:58.06	MOST	08-11-12	14:03.88	14:03.88
95#360-399				SAN DIEGO	12-04-05	14:16.27	15:58.06	COAST MASTERS	08-05-07	25:29.59	25:29.59

200 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	USMS	LC-Meters	Date	USMS	World
18+/72-99	AUBURN	05-21-10	1:29.18	OLYMPIC CLUB	10-15-95	1:43.33	1:41.66	1:47.94	CSAM	07-26-09	1:43.11	1:41.66
25+/100-119	S.CAL AQUATIC	05-21-90	1:29.40	EL SEGUNDO	12-14-97	1:41.62	1:42.10	1:43.11	OLYMPIC CLUB	08-23-98	1:43.11	1:42.10
35+/120-159	ROCKY MTN	04-25-04	1:30.17	EL SEGUNDO	12-10-00	1:41.37	1:41.23	1:42.65	GOLD	08-08-06	1:42.65	1:42.65
45+/160-199	ARIZONA	05-04-08	1:34.48	CMS	11-22-09	1:42.03	1:42.03	1:42.27	TEAM TYR	08-08-06	1:42.27	1:42.27
55+/200-239	PLANO	04-29-11	1:41.82	BLU FROG	10-14-11	1:42.43	1:47.43	1:44.96	COLORADO	08-08-06	1:44.96	1:44.96
65+/240-279	OREGON	05-10-09	1:53.76	GOLD COAST	12-07-08	1:55.93	1:55.93	1:56.00	TAMALPAIS	08-04-11	1:56.00	1:56.00
85+/320-359	FLORIDA	04-29-01	2:35.78	SAN DIEGO	12-02-07	2:15.63	2:10.44	2:17.43	SAN DIEGO	07-29-07	2:17.43	2:17.43
95+/360-399	MARYLAND	04-17-11	4:04.35	SANTA BARBARA	11-06-04	2:51.05	2:36.37	2:55.56	SANTA BARBARA	08-01-04	2:55.56	2:37.10
200 Medley Relay												
18+/72-99	OLYMPIC CLUB	04-30-11	1:39.06	MICHIGAN	02-07-10	6:03.35	4:13.19	5:26.80	COAST MASTERS	08-11-03	5:26.80	4:18.13
25+/100-119	PHOENIX SWIM	04-30-11	1:37.19	OLYMPIC CLUB	12-04-10	1:52.26	1:51.60	1:57.69	ARIZONA	07-31-11	1:57.69	1:51.99
35+/120-159	COLORADO	05-22-10	1:39.85	EL SEGUNDO	12-10-00	1:51.60	1:51.86	1:50.77	OLYMPIC CLUB	07-09-11	1:50.77	1:50.77
45+/160-199	ARIZONA	05-04-08	1:44.02	CMS	11-21-09	1:53.38	1:53.38	1:58.35	PHOENIX SC	07-08-12	1:58.35	1:56.02
55+/200-239	PNA	04-30-11	1:53.26	BLU FROG	10-14-12	1:57.65	2:01.94	2:02.32	TEAM TYR	08-10-06	2:01.94	2:02.32
65+/240-279	SAN DIEGO	05-10-09	2:06.22	TAMALPAIS	10-11-09	2:10.34	2:10.34	2:09.06	SDSM	08-15-05	2:09.06	2:09.06
75+/280-319	WALNUT CREEK	05-10-09	2:46.58	SAN DIEGO	12-02-07	2:37.71	2:25.50	2:34.68	OREGON	08-08-09	2:34.68	2:25.90
85+/320-359	MARYLAND	04-15-11	4:39.13	FLA MAVERICKS	10-19-03	5:12.04	5:12.04	5:23.37	FLA MAVERICK	06-13-10	5:23.37	3:15.58
400 Free Relay												
18+/72-99	NEM	04-07-02	3:25.12	METRO	12-11-04	3:53.00	3:42.99	3:56.54	CSAM	07-25-09	3:56.54	3:42.99
25+/100-119	OLYMPIC CLUB	04-17-10	3:23.92	OLYMPIC CLUB	12-03-11	3:44.84	3:42.99	3:54.81	SCAQ	07-25-09	3:54.81	3:55.40
35+/120-159	VIRGINIA	03-13-08	3:28.42	OLYMPIC CLUB	12-05-09	3:51.21	3:45.99	3:56.36	MOVY MASTERS	03-05-11	3:56.36	3:55.35
45+/160-199	WALNUT CREEK	04-13-08	3:34.92	CMS	11-21-09	3:46.01	3:46.01	3:58.05	SCAQ	07-05-09	3:58.05	4:03.70
55+/200-239	PLANO	04-01-12	3:48.60	BLU FROG	10-15-11	3:47.16	3:57.16	4:13.82	OREGON	06-03-06	4:13.82	4:16.14
65+/240-279	VIRGINIA	04-13-08	4:36.77	GOLD COAST	11-15-09	4:21.25	4:21.25	4:28.01	NEM	06-03-12	4:28.01	4:28.01
75+/280-319	WALNUT CREEK	04-17-10	5:55.27	OREGON	12-13-09	5:05.69	5:05.69	5:24.15	OREGON	07-13-08	5:24.15	5:23.37
85+/320-359	MARYLAND	04-15-11	8:51.39	FMM	11-13-11	6:53.85	6:53.85	6:43.08	FLA MAVERICK	06-12-11	6:43.08	6:43.08
400 Medley Relay												
18+/72-99	RED TIDE NYC	03-29-09	3:41.71	ORANGE COAST	12-06-09	4:40.54	4:17.68	4:35.26	CSAM	07-25-09	4:35.26	4:29.30
25+/100-119	RED TIDE	04-25-10	3:45.13	NEW ENGLAND	12-15-02	4:16.68	4:13.93	4:36.14	FT LAUDERDALE	08-06-09	4:36.14	4:29.30
35+/120-159	WALNUT CREEK	04-19-09	3:48.70	LONGHORN	11-22-09	4:13.93	4:10.32	4:29.07	N CAROLINA	08-08-09	4:29.07	4:29.25
45+/160-199	OREGON	05-02-04	4:00.80	OMS	11-22-09	4:10.32	4:10.32	4:27.97	FLA MAVERICK	08-08-09	4:27.97	4:29.25
55+/200-239	PLANO	03-31-12	4:17.57	OREGON	11-06-11	4:32.16	4:32.16	4:41.46	OREGON	08-04-08	4:41.46	4:34.71
65+/240-279	SAN DIEGO	04-01-07	5:20.49	OREGON	12-07-08	4:43.20	4:43.20	4:58.85	TAMALPAIS	08-08-09	4:58.85	4:58.85
75+/280-319	MAINE MASTERS	03-16-12	7:09.05	SAN DIEGO	12-07-08	5:34.60	5:34.60	6:03.51	OREGON	06-14-08	6:03.51	6:15.21
85+/320-359	MARYLAND	04-15-11	10:06.17	FLA MAVERICKS	11-22-09	7:29.64	7:29.64	7:45.92	FMM	06-13-09	7:45.92	8:08.47
800 Free Relay												
18+/72-99	NEM	03-30-03	7:32.95	TERRAPAN	12-07-03	8:51.55	8:37.61	8:55.39	CSAM	07-25-09	8:55.39	9:05.51
25+/100-119	ILLINOIS MSTR	04-04-04	7:25.46	NEW ENGLAND	12-17-06	8:29.16	8:27.11	8:39.99	SCAQ	07-25-09	8:39.99	8:47.80
35+/120-159	ILLINOIS	04-17-05	7:24.36	MOVY	03-05-11	8:27.11	8:26.62	8:54.37	NOVAQUATICS	08-13-11	8:54.37	8:55.24
45+/160-199	WALNUT CREEK	04-17-09	7:51.33	WALNUT CREEK	10-16-09	8:53.46	8:53.46	9:27.80	ILLINOIS	08-08-09	9:27.80	9:27.80
55+/200-239	TAM	04-19-09	8:54.85	BLU FROG	10-14-11	9:34.91	9:34.91	10:09.67	SYSM	06-11-10	10:09.67	10:09.67
65+/240-279	SAN DIEGO	04-01-07	10:36.77	TAMALPAIS	10-04-09	11:43.44	11:43.44	12:20.41	TAMALPAIS	07-09-10	12:20.41	12:20.41
75+/280-319	WALNUT CREEK	04-19-09	12:18.74	OREGON	11-05-11	15:35.35	15:35.35	16:34.46	SLAM	08-08-09	16:34.46	16:34.46
85+/320-359	MARYLAND	04-15-11	19:00.45	FMM	11-12-11				SAN DIEGO	08-05-07		

18–24	Women	Year	Record	Men	Year	Record
1 hour postal	Schweitzer (Metzger)	2000	5550 Y	Margalis	2007	6135 Y
5K postal	Morris	2010	1:04:09.79	Skube	1999	1:05:10.62
10K postal	Holman	2010	2:16:23.44	Cohen	1993	2:11:58.09
3000 Y postal	Beard	2001	32:26.99	Whitbeck	2005	30:10.37
6000 Y postal	Holman	2010	1:09:59.56	Charley	2003	1:08:27.18
1-mile cable	Nunn	2003	20:02.38	Barber	1983	21:20.86
2-mile cable	Nunn	2010	40:07.05	Chiles	2006	42:00.81
25–29	Women	Year	Record	Men	Year	Record
1 hour postal	Hazen	1994	5560 Y	Veatch	1994	6115 Y
5K postal	Cornelius (Limaye)	2001	1:05:38.54	Kappler	2005	1:02:25.71
10K postal	Quan (Nelson)	2001	2:14:58.59	Volk	1989	2:04:50.00
3000 Y postal	Whitney	2005	32:25.21	Danner	2010	30:38.07
6000 Y postal	Holman	2011	1:10:09.79	Barley	2010	1:05:03.71
1-mile cable	Smith	2003	20:21.99	Winant	1981	20:50.81
2-mile cable	Smith	2003	39:51.99	Pearson	1992	39:36.39
30–34	Women	Year	Record	Men	Year	Record
1 hour postal	Hazen	1995	5625 Y	Placak/Porch	90/03	5750 Y
5K postal	Day	2003	1:04:24.99	Erwin	1996	59:53.17
10K postal	Knapp	2009	2:15:56.36	Patten	1993	2:03:08.74
3000 Y postal	Knapp	2009	32:40.73	Erwin	1996	31:15.24
6000 Y postal	Knapp	2009	1:07:26.99	Clark	1998	1:04:58.25
1-mile cable	Swayman-Thoms	1984	21:27.07	Barley	2012	20:15.05
2-mile cable	Reed Sengewalt	2002	41:05.48	Kegley	1988	38:32.00
35–39	Women	Year	Record	Men	Year	Record
1 hour postal	George	2012	5645 Y	Shaffer	2003	5905 Y
5K postal	Pipes-Neilsen	1999	1:03:28.06	Erwin	2003	58:11.13
10K postal	Heim (Heim-Bowen)	1996	2:14:08.75	Shaffer	2003	2:00:39.67
3000 Y postal	Pipes-Neilsen	1999	32:54.57	Shaffer	2002	30:16.43
6000 Y postal	Pipes-Neilsen	1998	1:09:11.14	Shaffer	2003	1:02:06.74
1-mile cable	Gellatly	2003	22:20.99	Allen	2002	20:56.99
2-mile cable	Woody	2005	42:06.00	LaBianco	2010	39:59.99
40–44	Women	Year	Record	Men	Year	Record
1 hour postal	Preston	2006	5550 Y	Shaffer	2009	5910 Y
5K postal	Pipes-Neilsen	2003	1:02:53.42	Erwin	2005	58:23.56
10K postal	Preston	2005	2:12:19.31	Barber	2003	2:03:06.33
3000 Y postal	Pipes-Neilsen	2003	33:18.69	Shaffer	2009	30:25.06
6000 Y postal	Pipes-Neilsen	2002	1:08:48.67	Erwin	2005	1:01:37.11
1-mile cable	Dawson	2012	21:38.00	LaBianco	2012	20:13.79
2-mile cable	Dunbar	1990	43:06.00	Stevenson	2009	41:03.05
45–49	Women	Year	Record	Men	Year	Record
1 hour postal	Preston	2008	5550 Y	Erwin	2010	5755 Y
5K postal	Heim-Bowen	2004	1:04:26.97	Erwin	2009	1:00:25.14
10K postal	Einsidler	2002	2:19:42.34	Lussier	2012	2:10:29.48
3000 Y postal	Block	2009	33:53.41	Erwin	2010	31:07.62
6000 Y postal	Preston	2007	1:04:49.19	Erwin	2009	1:03:46.09
1-mile cable	Ogier	2001	23:17.99	Brophy	2010	20:03.52
2-mile cable	Jones	2010	43:04.92	Erwin	2011	40:23.14
50–54	Women	Year	Record	Men	Year	Record
1 hour postal	Heim-Bowen	2010	5180 Y	McConica	2002	5620 Y
5K postal	Heim-Bowen	2008	1:05:30.86	McConica	2003	1:00:53.84
10K postal	Heim-Bowen	2008	2:16:14.51	McConica	2004	2:05:55.37
3000 Y postal	Brown	2009	35:47.54	McConica	2001	31:37.55
6000 Y postal	Brown	2009	1:13:22.24	McConica	2003	1:05:05.26
1-mile cable	Dunbar	2001	22:08.99	Seibt	2012	21:32.51
2-mile cable	Dunbar	2000	44:56.43	McConica	2004	42:06.00
55–59	Women	Year	Record	Men	Year	Record
1 hour postal	Val	2010	5090 Y	McConica	2010	5545 Y
5K postal	Sweat	2012	1:13:32.30	McConica	2006	1:03:20.98
10K postal	Loftus-Charley	2010	2:26:59.80	McConica	2006	2:10:48.23
3000 Y postal	Dunbar	2004	36:25.69	McConica	2006	32:31.77
6000 Y postal	Dunbar	2004	1:15:32.34	McDonald	2010	1:06:49.90
1-mile cable	Loftus-Charley	2011	22:39.47	McDonald	2011	21:24.38
2-mile cable	Loftus-Charley	2011	45:55.10	McDonald	2011	42:19.38

60-64	Women	Year	Record	Men	Year	Record
1 hour postal	Val	2012	4920 Y	McConica	2011	5285 Y
5K postal	Loftus-Charley	2012	1:12:05.16	McConica	2012	1:03:58.63
10K postal	Loftus-Charley	2012	2:28:48.51	McConica	2012	2:12:29.14
3000 Y postal	Loftus-Charley	2011	37:31.06	McConica	2011	33:55.46
6000 Y postal	Loftus-Charley	2011	1:15:32.34	McConica	2011	1:09:22.71
1-mile cable	Loftus-Charley	2012	23:07.96	McConica	2012	21:22.60
2-mile cable	Loftus-Charley	2012	45:38.08	McConica	2012	43:12.00
65-69	Women	Year	Record	Men	Year	Record
1 hour postal	Stoinoff	1999	4135 Y	Landis	2008	4680 Y
5K postal	Stoinoff	1998	1:24:41.84	Johnston	1996	1:12:17.40
10K postal	Jordan	2002	3:13:22.48	Raffaelli	2009	2:34:18.06
3000 Y postal	Dills	2011	44:11.55	Johnston	1996	37:16.16
6000 Y postal	Dills	2011	1:33:38.55	McCleery	2011	1:16:46.74
1-mile cable	Dills	2011	26:39.14	Johnston	1997	22:57.70
2-mile cable	Svenson	2011	1:00:25.14	Mohl	2011	49:57.21
70-74	Women	Year	Record	Men	Year	Record
1 hour postal	Stoinoff	2003	3960 Y	Johnston	2002	4515 Y
5K postal	Pipes	2004	1:34:53.71	Landis	2022	1:15:05.36
10K postal	Pipes	2005	3:18:11.35	Johnston	2001	2:52:22.00
3000 Y postal	Stoinoff	2004	45:35.99	Johnston	2001	38:17.10
6000 Y postal	Pipes	2005	1:39:55.23	Johnston	2001	1:19:56.14
1-mile cable	Brown	2008	32:40.49	Johnston	2001	23:23.99
2-mile cable	Brown	2011	1:00:33.65	Johnston	2002	48:19.50
75-79	Women	Year	Record	Men	Year	Record
1 hour postal	Kamphausen	2010	3525 Y	Radcliff	2010	4520 Y
5K postal	Nochman	2000	1:54:31.32	Radcliff	2009	1:16:36.73
10K postal	Nochman	2001	4:16:45.62	Radcliff	2009	2:39:01.76
3000 Y postal	Pipes	2009	54:22.09	Radcliff	2009	39:22.67
6000 Y postal	Nochman	2000	2:09:39.17	Radcliff	2009	1:22:04.17
1-mile cable	Brown	2011	34:09.21	Radcliff	2011	25:43.29
2-mile cable	Pipes	2009	1:09:32.30	Radcliff	2011	50:55.91
80-84	Women	Year	Record	Men	Year	Record
1 hour postal	Lorenzi	2010	3250 Y	DeRosa	1998	3650 Y
5K postal	Nochman	2005	2:10:49.50	Johnston	2011	1:37:54.11
10K postal				Johnston	2011	3:21:03.20
3000 Y postal	Simonton	1998	55:12.91	Schmidt	2003	50:34.86
6000 Y postal	Nochman	2005	2:07:01.34	Beach	2011	1:53:58.99
1-mile cable						
2-mile cable	Hughes	2001	1:41:17.66	Woodford	1995	1:09:32.94
85-89	Women	Year	Record	Men	Year	Record
1 hour postal	Simonton	2004	3005 Y	Ross	1985	3240 Y
5K postal				Taylor	2011	1:44:43.98
10K postal						
3000 Y postal	Simonton	2003	59:47.72	Schmidt	2008	54:56.57
6000 Y postal				Weisenthal	1999	2:18:29.24
1-mile cable				Irvine	1997	48:47.80
2-mile cable				Selden	2008	1:18:24.65
90-94	Women	Year	Record	Men	Year	Record
1 hour postal	Simonton	2009	2720 Y	Larson	2012	2275 Y
5K postal						
10K postal						
3000 Y postal	Simonton	2008	1:06:51.19			
6000 Y postal						
1-mile cable						
2-mile cable				Seldon	2012	1:33:53.21
95-99	Women	Year	Record	Men	Year	Record
1 hour postal	Latham	2011	1360 Y	Langner	1999	2175 Y
5K postal						
10K postal						
3000 Y postal						
6000 Y postal						
1-mile cable						
2-mile cable						

18+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Univ San Fran	1994	15,810 Y	Stanford	1999	16,515 Y
3 x 5K postal	Gator Swim Club	2010	3:25:24.24	Swim Kentucky	2005	3:14:41.06
3 x 10K postal	St. Pete Masters	2009	7:34:54.36	Masters of South Texas	2007	7:43:18.65
3 x 3000 Y postal	Inland Northwest	2003	1:48:14.76	Novaquatics	2011	1:42:36.97
3 x 6000 Y postal	Gator Swim Club	2011	3:37:18.21	Omaha	2000	3:36:32.47
3 x 1-mile cable	New England Masters	2010	1:16:35.57			
3 x 2-mile cable	Oregon Masters	2012	2:31:55.54	Adirondack Masters	2011	2:27:06.44
25+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Colonial 1776	2006	15,690 Y	Olympic Club	1990	17,275 Y
3 x 5K postal	Oregon	2003	3:34:41.12	Heart of Texas	2001	3:16:07.19
3 x 10K postal	YMCA Indy SwimFit	2006	7:51:55.42	Oregon Masters	2012	7:32:03.04
3 x 3000 Y postal	Novaquatics	2011	1:44:42.00	Niagara District Masters	2010	1:38:36.15
3 x 6000 Y postal	Oregon	2004	3:52:38.27	Longhorn Masters	2009	3:22:42.25
3 x 1-mile cable	Oregon	2011	1:10:21.40	Oregon Masters	2012	1:05:47.50
3 x 2-mile cable	Adirondack Masters	2012	2:24:31.28	Oregon Masters	2012	2:23:25.62
35+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	San Diego	2003	15,290 Y	Ventura County Masters	2002	17,005 Y
3 x 5K postal	YMCA Indy SwimFit	2008	3:37:13.92	Ventura County Masters	2002	3:03:36.63
3 x 10K postal	Oregon	2002	7:39:39.36	Ventura County Masters	2003	6:20:50.42
3 x 3000 Y postal	Colonial 1776	2007	1:48:46.21	Ventura County Masters	2001	1:33:36.65
3 x 6000 Y postal	YMCA Indy SwimFit	2004	3:56:57.02	Ventura County Masters	2003	3:12:37.48
3 x 1-mile cable	Oregon	2011	1:12:02.51	Oregon	2011	1:09:44.15
3 x 2-mile cable	Oregon Masters	2012	2:24:56.68	New England Masters	2011	2:15:27.73
45+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Illinois Masters	2010	14,430 Y	Ventura County Masters	2012	15,790 Y
3 x 5K postal	Illinois Masters	2009	3:37:14.91	Ventura County Masters	2009	3:16:11.84
3 x 10K postal	Oregon Masters	2010	7:58:24.25	Oregon	2012	6:58:27.17
3 x 3000 Y postal	Oregon Masters	2010	1:52:03.60	Ventura County Masters	2009	1:41:51.01
3 x 6000 Y postal	Oregon Masters	2009	3:58:40.59	Ventura County Masters	2003	3:39:27.67
3 x 1-mile cable	Oregon Masters	2011	1:10:42.88	Niagara Masters	2010	1:07:03.47
3 x 2-mile cable	Oregon Masters	2012	2:25:46.00	Oregon Masters	2012	2:16:12.43
55+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Tamapais Aquatic Masters	2010	13,510 Y	Ventura County	2007	14,625 Y
3 x 5K postal	Masters of South Texas	2010	4:10:07.80	TXLA	2012	3:27:47.88
3 x 10K postal	Masters of South Texas	2010	9:35:23.74	Ventura County	2006	7:40:04.73
3 x 3000 Y postal	Masters of South Texas	2010	2:09:39.40	Ventura County	2006	1:47:42.80
3 x 6000 Y postal	San Diego	2004	4:33:26.97	Ventura County	2006	3:42:13.57
3 x 1-mile cable	Oregon Masters	2011	1:23:56.47	Oregon Masters	2011	1:16:13.84
3 x 2-mile cable	Oregon	2012	2:54:06.83	Adirondack Masters	2011	2:30:41.65
65+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	San Diego	2005	11,085 Y	Oregon	2008	13,085 Y
3 x 5K postal	San Diego	2005	4:53:12.48	Oregon	2012	4:06:49.76
3 x 10K postal						
3 x 3000 Y postal	San Diego	2005	2:26:57.24	Oregon	2008	2:03:34.35
3 x 6000 Y postal	San Diego	2005	5:02:58.70	Oregon	2008	4:28:34.05
3 x 1-mile cable	Adirondack Masters	2012	2:06:56.73	Oregon	2011	1:22:04.02
3 x 2-mile cable				Oregon	2011	2:41:38.42
75+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Florida Aquatic Combined	2008	9,230 Y	Oregon	2011	10,410 Y
3 x 5K postal						
3 x 10K postal						
3 x 3000 Y postal	Florida Maverick	2002	3:53:38.61	Florida Maverick	2008	2:59:22.33
3 x 6000 Y postal						
3 x 1-mile cable						
3 x 2-mile cable						
85+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Florida Maverick	2005	5,590 Y	Florida Maverick	2001	6,235 Y
3 x 5K postal						
3 x 10K postal						
3 x 3000 Y postal						
3 x 6000 Y postal						
3 x 1-mile cable						
3 x 2-mile cable						

18+	Mixed	Year	Record
4 x 1 hour postal	St. Pete Masters	2007	21,115 Y
4 x 5K postal	DOC IU	2000	4:34:58.61
4 x 10K postal	St. Pete Masters	2010	10:16:15.40
4 x 3000 Y postal	Novaquatics	2011	2:18:01.96
4 x 6000 Y postal	St. Pete Masters	2008	5:37:17.93
4 x 1-mile cable			
4 x 2-mile cable	Adirondack Masters	2010	3:11:12.71
25+	Mixed	Year	Record
4 x 1 hour postal	Univ San Fran	1994	22,070 Y
4 x 5K postal	Stanford	2004	4:25:43.53
4 x 10K postal	Team Illinois	2007	9:50:18.52
4 x 3000 Y postal	Heart of Texas	2001	2:16:27.57
4 x 6000 Y postal	Heart of Texas	2001	4:40:45.08
4 x 1-mile cable	Oregon	2011	1:32:43.08
4 x 2-mile cable	Adirondack Masters	2012	3:09:07.31
35+	Mixed	Year	Record
4 x 1 hour postal	Walnut Creek Masters	2010	21250 Y
4 x 5K postal	Stanford	2003	4:19:09.57
4 x 10K postal	St. Pete Masters	2007	9:53:56.98
4 x 3000 Y postal	Colonials 1776	2004	2:20:51.38
4 x 6000 Y postal	Ventura County Masters	2003	4:57:31.67
4 x 1-mile cable	Niagara Masters	2010	1:31:55.43
4 x 2-mile cable	Oregon Masters	2012	3:06:40.09
45+	Mixed	Year	Record
4 x 1 hour postal	INDY	2012	20395
4 x 5K postal	Oregon	2010	4:32:34.54
4 x 10K postal	Oregon Masters	2012	9:39:39.30
4 x 3000 Y postal	Oregon Masters	2010	2:23:57.10
4 x 6000 Y postal	Oregon Masters	2012	5:00:33.40
4 x 1-mile cable	Oregon	2011	1:31:21.44
4 x 2-mile cable	Oregon Masters	2012	3:01:11.20
55+	Mixed	Year	Record
4 x 1 hour postal	Tamalpais Aquatic Masters	2010	18325 Y
4 x 5K postal	Oregon	2009	5:31:00.95
4 x 10K postal	Oregon Masters	2012	16:14:22.32
4 x 3000 Y postal	DC Masters	2003	2:47:38.21
4 x 6000 Y postal	Michigan	2001	7:18:38.77
4 x 1-mile cable	Oregon	2011	1:45:20.50
4 x 2-mile cable	Oregon Masters	2012	3:30:38.25
65+	Mixed	Year	Record
4 x 1 hour postal	PNA	2012	16665 Y
4 x 5K postal	St Petersburg	2000	6:55:23.23
4 x 10K postal			
4 x 3000 Y postal	San Diego	2005	3:02:37.13
4 x 6000 Y postal	St. Pete Masters	2007	9:21:17.31
4 x 1-mile cable	Oregon	2011	2:11:30.75
4 x 2-mile cable	Adirondack Masters	2011	4:37:00.68
75+	Mixed	Year	Record
4 x 1 hour postal	Oregon Masters	2010	13365 Y
4 x 5K postal			
4 x 10K postal			
4 x 3000 Y postal	Oregon Masters	2011	4:13:49.83
4 x 6000 Y postal			
4 x 1-mile cable			
4 x 2-mile cable			
85+	Mixed	Year	Record
4 x 1 hour postal	Florida Maverick	2004	8,080 Y
4 x 5K postal			
4 x 10K postal			
4 x 3000 Y postal			
4 x 6000 Y postal			
4 x 1-mile cable			
4 x 2-mile cable			

APPENDIX B:

Information for Meet Directors and Officials

USMS-Approved Certifying Bodies

USMS approves USA Swimming, USMS (through its LMSCs), YMCA, Federation of High School Swimming Officials, College Swimming Officials Association (NCAA) and San Diego–Imperial LMSC as organizations for certifying officials.

Enforcement Of Rules

USMS rules shall be applied uniformly regardless of age.

Differences Between USA Swimming And USMS Rules

All provisions under Part 1 of USMS Swimming Rules are effective January 1, 2012 [USA-S provisions under Part One, the Technical Rules are effective May 1, 2012]. USMS follows USA Swimming’s Technical Rules, Articles 101, 102 and 105, with the following exceptions. USA Swimming and USMS rule references in brackets:

MS1 Starts, Strokes and Relays

MS1.1 Forward start—The forward start may be taken from the starting block, the pool deck or a push from the wall. The forward start or the backstroke start shall be used for freestyle events. The referee’s long whistle indicates that the swimmer must take a position with at least one foot at the front of the platform, the edge of the pool, or on the wall before the command “Take your mark.” The backstroke start may be used as the in-the-water start during freestyle events. [USMS 101.1.1 and 101.5.1; USA-S 101.1.2]

MS1.2 Butterfly—The breaststroke or whip kick may be used exclusively or interchangeably with the dolphin kick at any time during the race. Only one breaststroke or whip kick is permitted per arm pull except that a single breaststroke or whip kick is permitted prior to the turn and finish without an arm pull. After the start and after each turn, a single breaststroke or whip kick is permitted prior to the arm pull that brings the swimmer to the surface. [USMS 101.3.2 and 101.3.3; USA-S 101.3.2 and 101.3.3]

MS1.3 Backstroke—Note: The swimmer who turns past vertical and, in a continuous motion, grabs the wall before pushing off with the feet while on the back is considered to have executed a “continuous turning action.” [USMS 101.4.3; USA-S 101.4.3]

MS1.4 Relays—Relay swimmers who cannot exit the water quickly enough to prevent interference with automatic officiating equipment may hold on to the lane line until all relays have finished, allowing them to exit the pool more slowly or via the ladders at the conclusion of the race. [USMS 101.7.3E; USA-S 101.7.3E]

MS1.5 Long Distance Swimming—Pool events are governed by Open Water and Long Distance rules. There is no provision for leaving the water for brief periods during the swim. [USMS 305 and 306; USA-S 101.8]

APPENDIX B

MS2 Swimming Competition

MS2.1 Personnel—The minimum personnel at USMS sanctioned or recognized Masters swimming meets shall include the following: one referee, one starter, two stroke and turn judges, two timers per lane (if automatic timing is not being used). The referee and starter may double as stroke and turn judges, but the referee and starter shall not be the same person. The referee shall be certified as a referee by a USMS-approved certifying body. A referee who is certified as a stroke and turn judge or starter by a USMS-approved certifying body shall receive training in the duties of a referee. Starters and stroke and turn judges who are uncertified shall receive training in the duties of their positions. Note: USMS does not use place judges and has a meet committee rather than a meet jury. [USMS 103.2, 103.3, 102.14.2, and 103.5; USA-S 102.10.3, 102.10.2, 102.23.3, and 102.9]

MS2.2 Personnel at national championship meets—The meet host shall appoint a meet referee and an administrative referee subject to qualification standards established by the USMS Officials Committee. [USMS 104.5.10B; USA-S 102.10.5]

MS2.3 Warm-up—If there is no other warm-up/warm-down area available in pools of five lanes or more, one lane shall be set aside for warm-up/warm-down during the conduct of the meet. In pools of four or fewer lanes, swimmers shall be allowed to swim to the other end of the pool at the end of each heat and a warm-up/warm-down period must be offered at least once during each half hour of competition. [USMS 102.4.1; USA-S none]

MS2.4 Relays—First and last names of eligible swimmers, their ages and order of swimming shall be submitted to the clerk of course or to the head lane timer. [USMS 102.9.5; USA-S 102.3.7]

MS2.5 Timed finals—All Masters events held in meters pools (short course or long course) are conducted on a timed-final basis. Short course yards meets, except for national championships, MAY be conducted on a basis other than timed finals (e.g., trials/finals basis). If trials/finals are offered, competitors are limited to three individual events per day. [USMS 102.10.1A and 102.6; USA-S 102.2]

MS2.6 Seeding

MS2.6.1 Age groups, genders, and events of the same distance 200 yards or longer may be combined so that no swimmer has to swim alone and lanes may be filled. [USMS 102.10.1B; USA-S 102.1.4 and 102.7.2]

MS2.6.2 Seeding at meets other than national championship meets may be either fast-to-slow or slow-to-fast. Seeding may differ for sprint and distance events. [USMS 102.10.1D; USA-S 102.5.6]

MS2.7 Counters—A swimmer may appoint one counter in any individual event of 16 lengths or more, except the individual medley. [USMS 102.10.6A; USA-S 102.6A]

MS2.8 Swimwear—Medical identification items may be worn. Modesty wear is prohibited unless a medical or religious exemption has been granted by USMS. Only swimwear exemptions granted by USMS shall be eligible for consideration by a referee at USMS competitions. [USMS 102.12.1E, 102.13.9 and 102.12.1C(1); USA-S 102.8.1E and 102.8.1B[1]]

MS2.9 Advertising—Products involving tobacco, alcohol or pharmaceuticals containing drugs banned under IOC or FINA rules may not be advertised, but the advertiser's name only may be used. Offenders may be barred from competition until

they comply with this rule. Note: USMS does not regulate the number of logos on swimsuits, caps and goggles, does not prohibit wearing the insignia or name of another club or prohibit body advertising such as temporary tattoos or prohibit the advertising of political statements. [USMS 102.12.2; USA-S 102.8.3]

MS2.10 Timing System Designation—A manual timing system with two watches per lane, each operated by a separate timer, is the minimum requirement. [USMS 103.17.2A(3); USA-S 102.24.3A(3)]

MS2.11 Records and Top 10

MS2.11.1 Record applications and Top 10 submissions shall not be accepted unless certification of course length accompanies them or is on file with USMS or FINA. Any person can be assigned to conduct the course measurement. [USMS 105.1.6A; USA-S 104.2.2C(3)(a)]

MS2.11.2 USMS records may only be established by USMS members in sanctioned or recognized competition. Because swimmers from different age groups and genders may compete in the same heat or event, winning the heat or event is not required to establish a record. [USMS 105.3.1; USA-S 104.2.1F]

MS2.11.3 Relay leadoff split times will be considered for Top 10 times, provided the swimmers complete the event without being disqualified, and will be considered for USMS records provided automatic timing is used. [USMS 103.18.1, 103.18.4, 105.2.2A and D, 105.3.6A; USA-S 104.2.1E]

MS2.11.4 If swimmers want their initial splits as part of a longer individual event to be submitted for records or Top 10 times, they must notify the referee, in writing, prior to the conclusion of the meet. However, for backstroke initial splits and relay leadoff legs to count, notification must be made prior to the swim so that officials may verify that a legal finish was performed at the initial distance and that for relays the second swimmer did not start in the water (when automatic timing is used). [USMS 103.18.1B(1) and (2); 103.18.1D; and 105.2.2B, C, D and E; and 105.3.6; USA-S none]

MS2.11.5 Required documentation for USMS records includes the referee's signature, as well as the printout from the automatic or semiautomatic (with three buttons) timing equipment or the time card bearing times and signatures from three timers. [USMS 105.3.8; USA-S 104.2.2C(2)]

MS2.12 Scratch procedures—Swimmers or relay teams not reporting for or competing in an event are not penalized. [USMS 102.8.1; USA-S 102.4]

MS2.13 Protests—Protests arising from competition shall be made within 30 minutes after the race in which the alleged infraction took place. If the protest is not resolved immediately, the protester shall at that time file a written protest with the chair of the Local Masters Swimming Committee (LMSC) or the chair's representative having jurisdiction over the event. If the LMSC does not satisfactorily resolve the protest within 10 days, the protester may appeal in writing to the USMS Rules Committee chair within the next five days for final adjudication, whose final decision shall then be binding on all parties. Protests concerning interpretation of the rules in Part 1: Swimming Rules and the Glossary shall be submitted in writing (on paper or in an electronic file) within 10 days to the USMS Rules Committee chair. [USMS 102.14.5 and 102.14.4; USA-S 102.23.5]

MS2.14 Eligibility—The eligibility of a participant for a particular age group will be determined for all meters meets (both short course and long course) by the swimmer's age as of December 31 of the year of competition. For short course yards meets, eligi-

bility will be determined by the swimmer's age as of the last day of the meet. [USMS 102.2; USA-S 205.2.2]

MS3 Facility Standards

MS3.1 Water depth—In pools with water depth 3 feet, 6 inches to less than 4 feet at the starting end, the swimmer must start from the deck or from within the water. USMS does not have a rule for teaching racing starts or certifying swimmers for proficiency at performing racing starts. [USMS 107.2.3A(2); USA-S 103.2.3A]

Dual Sanctioned Events

The following shall govern the conduct of combined, parallel and interwoven meets, hereinafter known as dual sanctioned events, between members of United States Swimming and United States Masters Swimming.

In the event of a claim by a third party, including participants and spectators, alleging bodily injury and/or property damage arising from the conduct of a dual sanctioned event, USA-S and USMS will notify Risk Management Services Inc. as soon as practicable. Any conflicts or request for interpretations shall be resolved by the executive directors of USA-S and USMS.

All competitors in dual sanctioned events must be members of USA Swimming, USMS or both. Competitors who are members of both must select one organization with which to compete for the entire meet, in advance of competition. Dual membership cannot be used to exceed the daily event limits imposed by either organization. Automatic recognition of times achieved by a USMS swimmer competing in the USA-S portion is still available.

Dual sanctioned events must have sanctions from both USA-S and USMS. Both sanctions must be held by the host organization. The host organization cannot be required to accept a participant from either USMS or USA-S that would otherwise be barred from participation by their respective organizations. USMS records and Top 10 submissions must comply with all USMS documentation requirements.

Combined meets—With the consent of all hosting teams and the LSC and LMSC, a combined meet may be sanctioned by both USA-S and USMS with all swimmers competing according to USA-S rules. This mechanism allows the meet hosts to seed the event as they normally would, based upon times, with USA-S and USMS members combined in heats without specific lanes allocated to one organization or the other. There are restrictions, however. A divider must separate members of each organization. A lane line is sufficient to achieve the separation. This does preclude, for example, swimming two-to-a-lane with a member of each organization in the same lane. Warm-up and warm-down should be conducted in separate lanes. Relay teams must consist of members of the same organization.

Parallel meets—The two meets may be swum in parallel by assigning some lanes to USMS competitors and a different set of lanes to USA-S competitors. If possible, separate stroke and turn officials for each set is preferred. It

is permissible to adjust, for example, the makeup of the USMS heats so that competitors in a given heat have approximately the same seed times. Each organization's rules apply to its members.

Interwoven meets—The two meets may be swum with complete heats of swimmers from both organizations. There is no need for separate stroke and turn officials. Each organization's rules apply to its members.

Warm-up and warm-down—Members of each organization must use separate warm-up and warm-down lanes throughout the meet, including the periods prior to and after the actual competition.

Differences Between NCAA Swimming And USMS Rules

NCAA and USMS rule references in brackets.

MS1 Starts, Strokes and Relays

MS1.1 Forward start—The forward start may be taken from the starting block, the pool deck or a push from the wall. At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear, followed by a long whistle indicating that they should take their positions with at least one foot at the front of the starting platform, the edge of the deck or on the wall before the command "Take your mark." Either the forward start or the backstroke start shall be used for freestyle events. The backstroke start may be used as the in-the-water start during freestyle events. [USMS 101.1.1, 101.5.1, and 103.8.5A; NCAA Rule 2, Section 1, Article 1]

Note: Making unnecessary noise during the start is not addressed in the USMS rules.

MS1.2 Backstroke start—At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear. At the referee's first long whistle, the swimmers shall immediately enter the water and at the second long whistle shall return without undue delay to the starting position. Standing in or on the gutter, or placing the toes over the lip of the gutter, or bending the toes over the lip of the gutter, before or after the start is prohibited. [USMS 101.1.2 and 103.8.5A; NCAA Rule 2, Section 1, Article 2]

MS1.3 Declared false starts—There are no "declared false starts" in Masters swimming. [USMS 103.8.6; NCAA Rule 2, Section 1, Article 3h]

MS1.4 Backstroke turn—Once the body has left the position on the back, any kick or arm pull must be part of the continuous turning action. A swimmer who turns past vertical and, in a continuous motion, grabs the wall before pushing off with the feet while on the back is considered to have executed a "continuous turning action" and must not be disqualified. [USMS 101.4.3; NCAA Rule 2, Section 2, Article 1c]

MS1.5 Butterfly—The breaststroke or whip kick may be used exclusively or interchangeably with the dolphin kick while doing the butterfly stroke at any time during the race. Only one breaststroke or whip kick is permitted per arm pull, except that a single breaststroke or whip kick is permitted prior to the turn and the finish without an arm pull. After the start and after each turn, a single breaststroke or whip kick is permitted prior to the first arm pull. A scissors kicking movement is not permitted. [USMS 101.3.2 and 101.3.3; NCAA Rule 2, Section 2, Article 3d]

APPENDIX B

MS1.6 Finish—The swimmer shall have finished the race when any part of the swimmer touches the wall after completion of the prescribed distance. [USMS 101.5.4; NCAA Rule 2, Section 4, Article 1]

MS1.7 Relays—A relay team member who wishes to enter the water to start from the water, shall notify the starter and be careful not to disturb or interfere with another swimmer or the timing system pad when in use. Relay swimmers who cannot exit the water quickly enough to prevent interference with automatic officiating equipment may be allowed to hold on to the lane line until all relays have finished, allowing them to exit the pool more slowly or via the ladders at the conclusion of the race. Mixed relays shall consist of two men and two women who may swim in any order. [USMS 101.7.3D-F; NCAA Rule 2, Section 2, Article 7e and Rule 2, Section 5, Article 3a] First and last names of eligible swimmers, their ages and order of swimming shall be submitted to the clerk of course or to the head lane timer. Any changes in names of the competing swimmers or their order of swimming must be declared to the head lane timer prior to the start of the relay heat in which such relay team is entered. No changes will be permitted thereafter. [USMS 102.9.5; NCAA Rule 2, Section 2, Article 7d and Rule 3, Section 1, Article 4b]

MS2 Swimming Competition

MS2.1 Meet personnel—The minimum personnel at USMS sanctioned Masters swimming meets or recognized

events shall include one referee, one starter, two stroke and turn judges, and two timers per lane (if automatic timing is not being used) or one timer per lane if automatic timing is used. The referee and starter may double as stroke and turn judges, but the referee and starter may not be the same person. [USMS 103.2; NCAA Rule 4, Section 1] The referee shall be certified as a referee. A referee who is certified as a stroke and turn judge or starter (by USA Swimming, USMS, YMCA or any other USMS-approved certifying body) shall receive training in the duties of a referee. Starters and stroke and turn judges who are uncertified shall receive training in the duties of their positions. [USMS 103.3; NCAA Rule 4, Section 1] **Note:** USMS does not use place judges.

MS2.2 Warm-up— If there is no other warm-up/warm-down area available in pools of five lanes or more, one lane shall be set aside for warm-up/warm-down during the conduct of the meet. If there is no other warm-up/warm-down area available in pools of four or fewer lanes, swimmers shall be allowed to swim to the other end of the pool at the end of each heat, and a warm-up/warm-down period shall be offered at least once every half hour of competition. Swimmers must enter the pool feet first in a cautious and controlled manner. Diving shall be permitted only in the designated lanes. [USMS 102.4; NCAA none]

MS2.3 Timed finals—All short course meters events, long course meters events and national championships shall be conducted on a timed-final basis. Other short course yards events may be conducted on a timed-final basis or other basis (e.g., trials/finals). In a trials/finals format, competitors shall be limited to three individual events per day. [USMS 102.10.1A and 102.6; NCAA none]

MS2.4 Seeding—Age groups, genders and events of the same distance 200 yards or longer may be combined so that no swimmer has to swim alone and lanes may be filled. Seeding at meets other than national championships may be either fast-to-slow or slow-to-fast. Seeding may differ for sprint and distance events (400 yards or longer) within a meet. Women's and men's heats may be alternated in the distance events. [USMS 102.10.1B-D; NCAA Rule 5, Sections 1 and 2]

MS2.5 Counters—A swimmer in any individual event of 16 lengths or more, except the individual medley, may appoint one counter to call lengths or indicate lengths by visual sign. Verbal counters may use watches and signal intermediate times to the swimmer. If visual counters are used, they may be stationed at the end or either side of the pool beyond the halfway point toward the end of the course opposite the starting end. The count may be ascending or descending order. Violations of these provisions are not grounds for disqualification. [USMS 102.10.6; NCAA Rule 2, Section 3]

MS2.6 Timing System Designation—A manual timing system with two watches per lane, each operated by a separate timer, is the minimum requirement. [USMS 103.12.2A(3); NCAA Rule 4, Section 23, Article 2c]

MS2.7 Records

MS2.7.1 Record applications and Top 10 submissions shall not be accepted unless certification of course length accompanies them or is on file with USMS or USA Swimming. Any person can be assigned to conduct the course measurement. [USMS 105.1.6] The pool measurement certification must include all lanes used in competition. [USMS 105.1.7A; NCAA Appendix A, Section 2, Article 2h] When a moveable bulkhead is used, the length of the course must be confirmed prior to the start of the meet, and the course measurement of the two outside lanes and a middle lane must be confirmed at the conclusion of the session in which the time was achieved. [USMS 105.1.7C; NCAA Rule 4, Section 6, Article 1k and Appendix A, Section 2, Article 2j]

MS2.7.2 USMS records may only be established by USMS members in sanctioned meets or recognized events. [USMS 105.1.1 and 105.3.1] Because swimmers from different age groups and genders may compete in the same event or heat, winning the heat or event is not required to establish a record. Relay leadoff split times will be considered for USMS Top 10 times, provided the swimmers complete the event without being disqualified and will be considered for USMS records provided fully automatic timing is used. The swimmer's relay leadoff split time shall not count if the second swimmer starts in the water when automatic timing is used. The request to have a split time recorded must be brought to the attention of the meet referee, in writing, prior to the swim. Leadoff splits obtained from three semi-automatic buttons or three watch times are acceptable for FINA records, but not for USMS records. [USMS 105.2.2, 105.3.6, 103.18.1, and 103.18.4; NCAA Rule 3, Section 5, Article 2, and Appendix A, Section 1, Article 3]

MS2.7.3 If swimmers want their initial splits as part of a longer individual event to be submitted for records or Top 10 times, they must notify the referee, in writing, prior to the conclusion of the meet. However, for backstroke initial splits and relay leadoff legs to count, notification must be made prior to the swim so that officials may verify that a legal finish was performed at the initial distance and that for relays the second swimmer did not start in the water (when automatic timing is used). [USMS 103.18.1B(1) and (2), 103.18.1D, 105.2.2 and 105.3.6; NCAA none]

MS2.7.4 Required documentation for USMS records includes the referee's signature, official meet results, the primary printout tape from the automatic or semiautomatic (with three buttons) timing equipment and/or a copy of the entry card bearing times and signatures from three timers. [USMS 105.3.8; NCAA Appendix A, Section 2, Article 2]

MS2.8 Scratch procedures—Any swimmer or relay team not reporting for or competing in an event shall not be penalized. [USMS 102.8.1; NCAA Rule 3, Section 1, Article 4; Rule 3, Section 3, Article 4 and Rule 8, Section 4, Article 8d]

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MS2.9 Honest effort—USMS does not have an “honest effort” requirement. [Rule 3, Section 1, Article 4e]

MS2.10 Protests

MS2.10.1 Protests affecting the eligibility of any swimmer to compete or to represent an organization in any race shall be made in writing to the meet director or referee before the race is held, and if the meet committee deems it advisable, the swimmer may compete under protest and it shall be so announced before the race. The meet committee shall immediately refer such protest to the LMSC officers (local meets) or championship meet protest committee (national championship meets) having jurisdiction for adjudication at the earliest possible time. [USMS 102.14.2; NCAA none]

MS2.10.2 Protests arising from the competition itself shall be made within 30 minutes after the race in which the alleged infraction took place. If the protest is not resolved immediately, the protester shall at that time file a written protest with the chair of the Local Masters Swimming Committee (LMSC) or the chair’s representative having jurisdiction over the event. If the LMSC does not satisfactorily resolve the protest within 10 days, the protester may appeal in writing to the USMS Rules Committee chair within the next five days for final adjudication, whose decision shall then be binding on all parties. [USMS 102.14.5; NCAA Rule 4, Section 2 and Rule 8, Section 4, Article 9]

MS2.11 Age determining date—For short course yards, the eligibility of a participant for a particular age group shall be determined by the swimmer’s age as of the last day of the meet. For short course meters and long course meters, the eligibility of a participant for a particular age group shall be determined by the swimmer’s age as of December 31 of the year of competition. [USMS 102.2; NCAA none]

MS2.12 Swimwear—For men, the swimsuit shall not extend above the navel nor below the knees, and for women, shall not cover the neck, extend past the shoulder, nor extend below the knees. Any kind of tape on the body is not permitted unless approved by the referee. Products involving tobacco, alcohol or pharmaceuticals containing drugs banned under IOC or FINA rules may not be advertised, but the advertiser’s name only may be used. Offenders may be barred from competition until they comply with this rule. [USMS 102.12.1 and 2; NCAA Rule 3, Section 1, Articles 1 and 2]

MS3 Facility Standards

MS3.1 Water depth—In pools with water depth 3 feet, 6 inches to less than 4 feet at the starting end, the swimmer must start from the deck or from within the water. [USMS 107.2.3A(2); NCAA Rule 1, Section 1, Articles 1b and 2b]

Differences Between National Federation Of High School Swimming And USMS Rules

NFHS and USMS rule references in brackets.

MS1 Starts, Strokes and Relays

MS1.1 Forward start—The forward start may be taken from the starting block, the pool deck or a push from the wall. At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear, followed by a long whistle indicating that they should take their positions with at least one foot at the front of the starting platform, the edge of the deck or on the wall before the command “Take your mark.” Either the forward start or the backstroke start shall be used for freestyle events. [USMS 101.1.1, 101.5.1, and 103.8.5A; NFHS

Rule 8, Section 1, Article 1]

MS1.2 Backstroke start—At the commencement of each heat, the referee shall signal to the swimmers by a short series of whistles to remove all clothing except for swimwear. At the referee’s first long whistle, the swimmers shall immediately enter the water and at the second long whistle shall return without undue delay to the starting position. Standing in or on the gutter, placing the toes above the lip of the gutter, or bending the toes over the lip of the gutter, before or after the start is prohibited. USMS does not specify that swimmers must step into the water feet first. [USMS 101.1.2 and 103.8.5A; NFHS Rule 8, Section 1, Articles 2 and 3b]

MS1.3 Backstroke turn—Once the body has left the position on the back, any kick or arm pull must be part of the continuous turning action. A swimmer who turns past vertical and, in a continuous motion, grabs the wall before pushing off with the feet while on the back is considered to have executed a “continuous turning action”. [USMS 101.4.3; NFHS Rule 8, Section 2, Article 1f]

MS1.4 Butterfly—The breaststroke or whip kick may be used exclusively or interchangeably with the dolphin kick while doing the butterfly stroke at any time during the race. Only one breaststroke or whip kick is permitted per arm pull, except that a single breaststroke or whip kick is permitted prior to the turn and the finish without an arm pull. After the start and after each turn, a single breaststroke or whip kick is permitted prior to the first arm pull. A scissors kicking movement is not permitted. [USMS 101.3.2 and 101.3.3; NFHS Rule 8, Section 2, Article 3d]

MS1.5 Relays—A relay team member who wishes to start from the water, shall notify the starter and be careful not to disturb or interfere with another swimmer or the timing system pad when in use. Relay swimmers who cannot exit the water quickly enough to prevent interference with automatic officiating equipment may be allowed to hold on to the lane line until all relays have finished, allowing them to exit the pool more slowly or via the ladders at the conclusion of the race. Mixed relays shall consist of two men and two women who may swim in any order. [USMS 101.7.3D-F; NFHS Rule 8, Section 3, Articles 5 and 7] First and last names of eligible swimmers, their ages and order of swimming shall be submitted to the clerk of course or to the head lane timer. Any changes in names of the competing swimmers or their order of swimming must be declared to the head lane timer prior to the start of the relay heat in which such relay team is entered. No changes will be permitted thereafter. [USMS 102.9.6; NFHS Rule 8, Section 3, Article 4]

MS1.6 Finish—The finish occurs when any part of the swimmer touches the wall. Swimmers are not required to touch the touch pads when automatic timing is used. [USMS 101.5.4; NFHS Rule 8, Section 1, Article 7 and Rule 8, Section 3, Article 6]

MS2 Swimming Competition

MS2.1 Swimwear

MS2.1.1 For men, the swimsuit shall not extend above the navel nor below the knees, and for women, shall not cover the neck, extend past the shoulder, nor extend below the knees. [USMS 102.12.1C; NFHS Rule 3, Section 3, Article 3b.5]

MS2.1.2 Products involving tobacco, alcohol or pharmaceuticals containing drugs banned under IOC or FINA rules may not be advertised, but the advertiser’s name only may be used. Offenders may be barred from competition until they comply with this rule. [USMS 102.12.2; NFHS Rule 3, Section 3, Article 2]

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MS2.2 Meet personnel—The minimum personnel at USMS-sanctioned or USMS-recognized swimming meets shall include one referee, one starter, two stroke and turn judges, and two timers per lane (if automatic timing is not being used) or one timer per lane if automatic timing is used. The referee and starter may double as stroke and turn judges, but the referee and starter may not be the same person. [USMS 103.2; NFHS Rule 4, Section 1, Articles 3 and 5]

The referee shall be certified as a referee. A referee who is certified as a stroke and turn judge or starter (by USA Swimming, USMS, YMCA or any other USMS-approved certifying body) shall receive training in the duties of a referee. Starters and stroke and turn judges who are uncertified shall receive training in the duties of their positions. [USMS 103.3; NFHS none] **Note:** NFHS is a USMS-approved certifying body. USMS does not use a ballot system as a backup judging system.

MS2.3 Warm-up—If there is no other warm-up/warm-down area available in pools of five lanes or more, one lane shall be set aside for warm-up/warm-down during the conduct of the meet, and in pools of four or fewer lanes, swimmers shall be allowed to swim to the other end of the pool at the end of each heat, and a warm-up/warm-down period shall be offered at least once every half hour of competition. [USMS 102.4; NFHS “Guidelines for Meet Warm-Up”]

MS2.4 Events—USMS competition may be conducted in any of the events listed in 102.5. [USMS 102.5; NFHS Rule 5, Section 1, Article 1]

MS2.5 Event limit—A swimmer may compete in not more than five individual events per day. [USMS 102.6; NFHS Rule 3, Section 2, Article 1]

MS2.6 Timed finals—All short course and long course meters events and national championships shall be conducted on a timed-final basis. Other short course yards events may be conducted on a timed-final or other basis (e.g., trials/finals). In a trials/finals format, competitors shall be limited to three individual events per day. [USMS 102.10.1A; NFHS none]

MS2.7 Seeding—Age groups, genders and events of the same distance 200 yards or longer may be combined so that no swimmer has to swim alone and lanes may be filled. Seeding at meets other than national championships may be either fast-to-slow or slow-to-fast. Seeding may differ for sprint and distance events (400 yards or longer) within a meet. Women’s and men’s heats may be alternated in the distance events. [USMS 102.10.1B-D; NFHS Rule 5, Sections 2 and 3]

MS2.8 Counters—A swimmer in any individual event of 16 lengths or more, except the individual medley, may appoint one counter to call lengths or indicate lengths by visual sign. Verbal counters may use watches and signal intermediate times to the swimmer. If visual counters are used, they may be stationed at the end or either side of the pool beyond the halfway point toward the end of the course opposite the starting end. The count may be in ascending or descending order. Violations of these provisions are not grounds for disqualification. [USMS 102.10.6; NFHS Rule 3, Section 4]

MS2.9 Records

MS2.9.1 Record applications and Top 10 submissions shall not be accepted unless certification of course length accompanies them or is on file with USMS or USA Swimming. [USMS 105.1.6 and .7; NFHS Rule 2, Section 2]

MS2.9.2 USMS records may only be established by USMS members in sanctioned meets or recognized events. Because swimmers from different age groups and genders may compete in the same event or heat, winning the heat or event is not required to

establish a record. Relay leadoff split times will be considered for Top 10 times, provided the swimmers complete the event without being disqualified, and relay leadoff split times will be considered for USMS records provided fully automatic timing is used. The swimmer's relay leadoff split time shall not count if the second swimmer starts in the water when automatic timing is used. The request to have a split time recorded must be brought to the attention of the meet referee, in writing, prior to the swim. Leadoff splits obtained from semi-automatic or manual times are acceptable for FINA records and USMS Top 10 but not for USMS records. [USMS 105.1.1, 103.18.1, 103.18.4, 105.2.2 and 105.3.6; NFHS Rule 8, Section 3, Article 8]

MS2.9.3 If swimmers want their initial splits as part of a longer individual event to be submitted for records or Top 10 times, they must notify the referee, in writing, prior to the conclusion of the meet. However, for backstroke initial splits and relay leadoff legs to count, notification must be made prior to the swim so that officials may verify that a legal finish was performed at the initial distance and that for relays the second swimmer did not start in the water (when automatic timing is used). [USMS 103.18.1, 103.18.4, 105.2.2 and 105.3.6; NFHS none]

MS2.9.4 Required documentation for USMS records includes the referee's signature, official meet results, the primary printout tape from the automatic or semiautomatic (with three buttons) timing equipment and/or a copy of the entry card bearing times and signatures from three timers. [USMS 105.3.8; NFHS none]

MS2.10 Scratch procedures—Any swimmer or relay team not reporting for or competing in an event shall not be penalized. There are no "declared false starts". [USMS 102.8.1; NFHS Rule 3, Section 2, Articles 2 and 3]

MS2.11 Protests

MS2.11.1 Protests affecting the eligibility of any swimmer to compete or to represent an organization in any race shall be made in writing to the meet director or referee before the race is held, and if the meet committee deems it advisable, the swimmer may compete under protest and it shall be so announced before the race. The meet committee shall refer the protest to the LMSC officers (local meets) or the championship meet protest committee (nationals) having jurisdiction for adjudication at the earliest possible time. [USMS 102.14.2; NFHS none]

MS2.11.2 Protests arising from the competition itself shall be made within 30 minutes after the race in which the alleged infraction took place. If the protest is not resolved immediately, the protester can file a written protest with the chair (or representative) of the Local Masters Swimming Committee (LMSC) having jurisdiction over the event. If it is not satisfactorily resolved within 10 days, the protester may appeal in writing to the USMS Rules Committee chair within the next five days for final adjudication, whose decision shall then be binding on all parties. [USMS 102.14.5; NFHS Rule 4, Section 2, Article 2g]

MS2.12 Age determining date—For short course yards, the eligibility of a participant for a particular age group is determined by the swimmer's age as of the last day of the meet. For short course meters and long course meters, the eligibility of a participant for a particular age group is determined by the swimmer's age as of December 31 of the year of competition. [USMS 102.2; NFHS none]

MS2.13 Jewelry—USMS does not address the wearing of jewelry [NFHS Rule 3, Section 3, Article 5] in USMS rules.

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MS2.14 Shaving—USMS does not address on-site shaving [NFHS Rule 3, Section 5, Article 7] in USMS rules.

MS3 Facility Standards

MS3.1 Water depth—In pools with water depth 3 feet, 6 inches to less than 4 feet at the starting end, the swimmer must start from the deck or from within the water. [USMS 107.2.3A(2); NFHS Rule 2, Section 7, Article 2]

Information For USMS Participants At FINA Events

USMS recognizes times achieved at meets sanctioned by a FINA member federation and conducted in accordance with FINA rules. The following information summarizes the differences between FINA and USMS rules. FINA and USMS rule references in brackets.

FMS1 Swimming Competition

FMS1.1 Age groups—The youngest age group recognized by FINA is 25-29. [FINA MSW 1.1; USMS 102.1.1 and 102.3]

FMS1.2 Relay age groups—The youngest relay age group recognized by FINA is 100-119 and may not include competitors younger than 25. [FINA MSW 1.2; USMS 102.3.2B]

FMS1.3 Warm-up guidelines—USMS prohibits hand paddles in warm-ups. FINA does not have this restriction. [FINA MSW 3.9 and FINA Warm-up Guidelines; USMS 102.4.2]

FMS1.4 Course type—FINA does not recognize Short Course Yard competition. [FINA MSW 4.1 and 4.2; USMS 102.5.2 and 102.5.1]

FMS1.5 Event limits—FINA has no explicit rule addressing event limits; limits are established for each meet. [FINA, no rule; USMS 102.6 and 102.10.1A]

FMS1.6 Club affiliation and relays—FINA does not allow unattached swimmers in either individual events or relays. All competitors must represent clubs. [FINA MGR 3 and MSW 5; USMS 102.9.1 and 201.3.4]

FMS1.7 Two-to-a-lane seeding by gender—FINA allows two swimmers of the same gender to swim in a single lane for freestyle events 400 meters or longer, while USMS allows two swimmers of either gender to swim in a single lane for freestyle events over 200 meters [FINA MSW 3.8; USMS 102.10.4A(1)(a)]

FMS 1.8 Backstroke Start—When FINA-required touchpads extending 0.3 meter above the water surface are in place and there are no exposed gutters on which to place the toes, the toes may be placed above the water surface for the start. [FINA 2.4.2 and SW 6.1; USMS 107.17.3 and 101.1.2B]

FMS1.9 Counters—FINA officials lap count for swimmers, count only for 800 and 1500 meter races and show the remaining number of laps to be completed. [FINA SW 2.6.3; USMS 102.10.6]

FMS1.10 Splits and timing system—FINA allows splits to be recorded by three watches, three semiautomatic buttons or fully automatic timing for FINA records. For USMS records, splits must be recorded by fully automatic timing equipment. [FINA MSW 6 and FINA World Record Application Form; USMS 103.18.4 and 105.3.6A]

FMS1.11 Splits and Relay disqualification—USMS will not allow the initial relay split to count as an individual time if the relay is disqualified. FINA requires only that the leadoff swimmer is not disqualified for the leadoff split to count as an individual

time. [FINA SW 11.5 and 11.6; USMS 103.18.1C and 105.2.2D]

FMS1.12 Records—Applications for FINA Masters World Records must be made on FINA official forms within 60 days from the end of the event. Applications may be submitted only for performances at USMS-sanctioned meets. World records can be established only in fresh water and will not be recognized in any kind of sea or ocean water. Applications for USMS national records must be submitted within 90 days of the end of the season. [FINA MSW 6 and SW 12.9; USMS 105.3.8, 105.5 and Appendix B]

FMS1.13 Time standards—Any swim that does not meet the qualifying standard at FINA World Championships will receive “NT” in the results, with no official time or place. [FINA MSW 9 and FINA Masters policy; USMS 104.5.8]

FMS1.14 Notification of disqualification—FINA requires notification via posted code in the meet results. USMS rules state that the official will make every effort to contact the swimmer. [FINA MSW 7; USMS 102.13.2]

FMS1.15 Announcing results of protested events—FINA does not appear to have an explicit rule on this subject. [FINA GR 9.2; USMS 102.14.1]

FMS1.16 Competing under protest—FINA has no explicit rule regarding competing under protest. [FINA GR 9.2; USMS 102.14.2]

FMS1.17 Protests of swimming rules—FINA gives authority for the final decision to the referee. USMS gives authority to the referee for protests against judgment decisions of starters and stroke, turn and relay take-off judges and for some final decisions USMS gives authority to the meet committee or to a protest panel or to the USMS Rules Committee with an explicit timeline and communication structure. [FINA GR 9.2; USMS 102.14.4 and 104.5.9B]

FMS1.18 Fees for protests—FINA requires a fee of 100 Swiss francs or its equivalent to be submitted with the protest (the fee is refunded if the protest is upheld). USMS does not require a fee for filing protests. [FINA GR 9.2.2 and 9.2.4; USMS 102.14]

FMS1.19 Rejection and appeal of protests—FINA allows the referee to reject protests. The team leader may appeal the rejections to a Jury of Appeal for a final decision. USMS uses a meet committee, a protest committee or the USMS Rules Committee. [FINA GR 9.2.3 and 9.3; USMS 102.14.2, 102.14.4 and 102.14.5]

FMS1.19 Smoking and tobacco—FINA bans smoking in any area designated for competitors. USMS bans the use of all tobacco products on the pool deck, in locker rooms, in the spectator seating and standing areas, and in all areas used by swimmers. [FINA GR 8; USMS 102.15]

FMS1.21 Open Water Swimwear—FINA open water swimwear rules are different than USMS; ankle length suits are allowed by FINA but no zippers or sleeves. [FINA BL 8.4; USMS 303.7]

Preparation Of Meet Results

Meet results (pool and open water) must include the name of the meet, the location of the meet (name of pool or open water venue, city and state), the date of the meet, the name, address or email address of the meet director, the name and certification status of the officials (referee, starter and stroke and turn judges) and the sanction or approval number.

The results of each event shall be published in the following order:

Individual events:

1. Print women's results first, then men's results.
2. For each gender, print results by age group from youngest to oldest.
3. For each age group, print results in the following stroke order: freestyle, backstroke, breaststroke, butterfly and individual medley.
4. For each stroke, print events in order from shortest to longest.

Relay events:

1. Print women's relay results first, then men's relay results, then mixed relay results. Results must include the names and ages of all swimmers.
2. For each gender, print the relay results in the order of age groups, youngest to oldest.
3. For each age group, print results in the following order: 200 freestyle relay, 200 medley relay, 400 freestyle relay, 400 medley relay and 800 freestyle relay.

Split results:

All splits from split notification forms that have been certified by the meet referee shall be listed separately with swimmer's name, event and split time.

Storage requirements for meet documents:

Results, tapes, timing printouts, time cards, heat sheets, timers' heat sheets or swimmer lists, electronic meet files, and other information used to compile results and records shall be kept for a minimum of two years after the conclusion of the meet.

USMS And World Record Applications

Documentation requirements:

- Complete the “Application for USMS and/or World Record” in its entirety. (World records are due within 60 days of the swim.)
- Attach the printout showing event number, heat number, splits, backup from the electronic timing system and/or time card with the signatures of all three timers. Meet results are not a substitute for the timing system printout.
- Attach a copy of the heat sheet showing swimmer’s name, event number, heat number and lane number assignment.
- Swims done at recognized or USA-S meets do not qualify for world records.
- Swimmer’s age is as of December 31 of the year of competition for long course meters and short course meters courses, and as of the last day of the meet for short course yards courses.

Documentation requirements for USMS long distance records:


- Completed “Application for USMS Long Distance Record.”
- Proof of achieved time or distance swum.
- For postal events, a lap-count checkoff sheet listing all split times and bearing the signature, name, address and phone number of the lap counter/timer.
- For cable swims, a copy of the course certification, if it is not already on file according to article 302.3.1A.

**Adjustments For Women's National
Qualifying Times For Swims At Altitude**

Age Group	3,000–4,249 ft.				4,250–6,499 ft.				6,500+ ft.			
	200	400–500	800–1000	1500–1650	200	400–500	800–1000	1500–1650	200	400–500	800–1000	1500–1650
18-24	0.47	2.37	4.75	10.44	1.14	4.75	9.49	21.83	1.52	6.64	14.24	30.85
25-29	0.50	2.50	5.00	11.00	1.20	5.00	10.00	23.00	1.60	7.00	15.00	32.50
30-34	0.51	2.56	5.12	11.26	1.23	5.12	10.24	23.55	1.64	7.17	15.36	33.28
35-39	0.51	2.56	5.13	11.28	1.23	5.13	10.25	23.58	1.64	7.18	15.38	33.32
40-44	0.51	2.55	5.10	11.23	1.22	5.10	10.21	23.48	1.63	7.15	15.31	33.18
45-49	0.52	2.60	5.21	11.45	1.25	5.21	10.41	23.95	1.67	7.29	15.62	33.84
50-54	0.55	2.75	5.49	12.09	1.32	5.49	10.99	25.27	1.76	7.69	16.48	35.71
55-59	0.55	2.75	5.49	12.09	1.32	5.49	10.99	25.27	1.76	7.69	16.48	35.71
60-64	0.62	3.12	6.23	13.71	1.50	6.23	12.46	28.67	1.99	8.72	18.69	40.51
65-69	0.66	3.32	6.65	14.63	1.60	6.65	13.30	30.58	2.13	9.31	19.94	43.21
70-74	0.72	3.58	7.16	15.76	1.72	7.16	14.32	32.95	2.29	10.03	21.49	46.55
75-79	0.80	3.98	7.95	17.50	1.91	7.95	15.91	36.58	2.54	11.13	23.86	51.69
80-84	0.87	4.34	8.69	19.11	2.08	8.69	17.37	39.95	2.78	12.16	26.06	56.45
85-89	0.96	4.82	9.64	21.21	2.31	9.64	19.28	44.36	3.09	13.50	28.93	62.68
90-94	1.10	5.50	10.99	24.19	2.64	10.99	21.99	50.57	3.52	15.39	32.98	71.46
95-99	1.71	8.55	17.10	37.63	4.11	17.10	34.21	78.68	5.47	23.95	51.31	111.18
100+												

**Adjustments For Men's National
Qualifying Times For Swims At Altitude**

Age Group	3,000–4,249 ft.				4,250–6,499 ft.				6,500+ ft.			
	200	400–500	800–1000	1500–1650	200	400–500	800–1000	1500–1650	200	400–500	800–1000	1500–1650
18-24	0.49	2.45	4.90	10.77	1.18	4.90	9.79	22.52	1.57	6.85	14.69	31.82
25-29	0.50	2.50	5.00	11.00	1.20	5.00	10.00	23.00	1.60	7.00	15.00	32.50
30-34	0.51	2.53	5.05	11.11	1.21	5.05	10.10	23.23	1.57	7.07	15.15	32.83
35-39	0.50	2.49	4.98	10.95	1.19	4.98	9.95	22.89	1.59	6.97	14.93	32.34
40-44	0.51	2.55	5.10	11.22	1.22	5.10	10.20	23.45	1.63	7.14	15.29	33.14
45-49	0.52	2.62	5.24	11.53	1.26	5.24	10.48	24.10	1.68	7.34	15.72	34.06
50-54	0.53	2.67	5.35	11.76	1.28	5.35	10.69	24.59	1.71	7.48	16.04	34.75
55-59	0.56	2.80	5.61	12.33	1.35	5.61	11.21	25.78	1.79	7.85	16.82	36.44
60-64	0.59	2.94	5.88	12.94	1.41	5.88	11.76	27.05	1.88	8.23	17.64	38.23
65-69	0.61	3.03	6.06	13.32	1.45	6.06	12.11	27.86	1.94	8.48	18.17	39.37
70-74	0.67	3.34	6.68	14.69	1.60	6.68	13.35	30.71	2.14	9.35	20.03	43.39
75-79	0.66	3.32	6.63	14.60	1.59	6.63	13.27	30.52	2.12	9.29	19.90	43.13
80-84	0.82	4.08	8.16	17.95	1.96	8.16	16.32	37.53	2.61	11.42	24.47	53.03
85-89	0.88	4.39	8.79	19.33	2.11	8.79	17.57	40.42	2.81	12.30	26.36	57.12
90-94	1.14	5.68	11.37	25.01	2.73	11.37	22.74	52.30	3.64	15.92	34.11	73.90
95-99	1.42	7.10	14.21	31.25	3.41	14.21	28.41	65.35	4.55	19.89	42.62	92.34
100+	2.15	10.73	21.45	47.19	5.15	21.45	42.90	98.67	6.86	30.03	64.35	139.43

		United States Masters Swimming SPLIT NOTIFICATION FORM	
Event			
Event #		Heat #	Lane #
Split Event		Time	
Swimmer's Name			
Sex		Age	
Meet		Date	
Approved by:			
<p>Initial split times from an individual or relay event will be accepted as an individual performance and will be considered for Top 10 if it is deemed an official time in accordance with Articles 103.17.3 and 103.18.4. Split times will be considered for a USMS Record only if recorded by automatic timing (for a World Record: automatic timing, three semi-automatic buttons or three watches).</p> <p>The swimmer must notify the Meet Referee of the intent to record an initial split time prior to the conclusion of the meet. The request for relay leadoff split times and initial backstroke distance times in individual backstroke events must be made prior to the swim.</p>			



Pool Length Certification Form

1. Pool name _____ LMSC _____

Address _____

City _____ State _____ ZIP _____

Note: For facilities with multiple pools, please identify the specific pool being measured either by unique pool name within the facility or the pool location in relation to other pools within the entire facility.

2. Measurement parameters (circle answer)

- a. Nominal pool length: 25 yards 25 meters 50 meters
 - b. Moveable bulkhead: Yes No Placement confirmation _____
 - c. Measuring device (see below): Steel tape Laser Other _____
 - d. Number of touchpads per lane at time of measurement: None One Two
- (In some cases, two touchpads may be used, one at each end of the pool.)

3. Measurements: (Minimum distances measured)

Distances measured in (circle one): feet/inches or meters/centimeters

If these measurements are a confirmation of bulkhead placement, only the outermost lanes and a center lane must be measured.

Lane 1 _____ Lane 2 _____ Lane 3 _____ Lane 4 _____

Lane 5 _____ Lane 6 _____ Lane 7 _____ Lane 8 _____

Lane 9 _____ Lane 10 _____ Lane 11 _____ Lane 12 _____

4. Measured by:

Submitted by:

Name _____

Name _____

Title _____

Title _____

Address _____

Address _____

City _____

City _____

State _____ ZIP _____

State _____ ZIP _____

Date _____

Date _____

Maintaining pool length certification forms is an LMSC responsibility. Completed forms should be sent to the Top Ten Recorder of the LMSC. Attach a copy of this form to record applications if the form is not already on file with the USMS Records Administrator. If a bulkhead is used, a copy of this form for each session must be included with meet results sent to the LMSC Top Ten Recorder, in order to verify bulkhead placement. For a record application, the bulkhead measurement on this form should be attached to and submitted with the Record Application form.

Additional information can be found in the Records and Tabulation section of the USMS Guide to Operations, which can be found on the USMS website or obtained from your LMSC Top Ten Recorder.

Measurement Procedures for completing this form can be found online. Please review them before measuring your pool and submitting this form. Only this form needs to be submitted for pool certification.

Existing certification forms may be used if on file with the pool, the LMSC, USA Swimming, or USMS, as long as all lanes have been measured.

Application for USMS and/or World Record

1. Course SCY SCM LCM 2. Distance 3. Stroke
50-100-200-400-500-800-1000-1500-1650 free-back-breast-fly-IM-FR-MR
 4. Official time : : 5. Date of swim (mm/dd/yyyy) and Hour (am/pm) :
mins: secs. hundredths

6a. Primary timing for this performance (check one below)
 Electronic 6b. Non-electronic times: : :
 Semi-automatic (three buttons) : :
 Three stopwatches : :

7. For individual events: Age group

Last name of swimmer First name of swimmer Gender Birth date (mm/dd/yy) Age USMS number

8. For relay events: Club name Age group

List names in order of competing: Last name, First name, Gender, Birthdate (mm/dd/yyyy), Age, USMS number

9. Pool name City State
 Last day of meet Sanction or recognition # LMSC

10. Select one: USMS Sanctioned USMS Recognized USA-S Meet USMS/USA Dual Sanctioned

11. Is a copy of the swimmer's birth certificate (or passport) attached or on file with the USMS Records Administrator? Yes No
 12. Is the pool length certification attached or on file with the USMS Records Administrator? Yes No
 13. Have structural changes, including resurfacing, been made to the pool since the last pool length certification? Yes No
 14. Is the racing course fixed by a moveable bulkhead? Yes No
 (If yes, course measurement must be confirmed at the conclusion of the session during which the record time was achieved.)
 15. If the primary timing system is electronic, how many touchpads were in each lane? 1 2

16. REFEREE: I certify that the required number of personnel officiated during the above performance and were properly qualified officials, and the described performance complied with the rules of United States Masters Swimming including the use of Legal Swim Suits.
 Name Date
 Signature

17. Record application submitted by:
 Name Phone ()
 Address
 City State Zip
 Email

18. USMS Records Administrator
 Name Date
 Signature

Instructions: Complete the above form in its entirety. World records are due within 60 days of the swim. National Records are due within 90 days of the end of the season of the swim.

- Attach the printout showing event number, heat number, splits, and backup from the electronic timing system. Meet results are not a substitute for the timing system printout.
- If the primary timing system is manual timing, attach a time card with the signatures of all three timers.
- Attach a copy of the heat sheet showing swimmer's name, event number, heat number, and lane number assignment.
- If a moveable bulkhead, attach a copy of the Pool Length Certification form showing the measurements from the session of the record swim.
- Swims done at recognized or USA-S meets do not qualify for world records.
- Swimmer's age is as of December 31 of the year of competition for LCM and SCM courses, and as of the last day of the meet for SCY courses.

Send all information to: Walt Reid, 11114 111th St. SW, Tacoma, WA 98498,



APPENDIX B

REPORT OF OCCURRENCE UNITED STATES MASTERS SWIMMING, INC.

Injured Person's Name _____ Age _____
Address _____ Phone _____
City/State/Zip _____
Club Affiliation _____
Activity Taking Place at Time of Accident _____

Place Where Accident Occurred _____
(include City/St/Zip) _____
Date of Accident _____ Day of Week _____ Hour _____
Describe Accident _____

Person in Charge of the Activity _____
Address _____ Phone _____
City/St/Zip _____
Probable Nature of the Injury _____
Who Determined Nature of the Injury _____
What was Done On-Site for Injured _____
Where Taken for Treatment _____
Who Provided Treatment (name) _____

Name and Address of Three Witnesses:

1. _____
2. _____
3. _____

Additional Witnesses, List Names and Addresses on Reverse

Remarks _____

Report Submitted By _____ Date _____
Address _____ Phone _____
City/St/Zip _____

Please attach any additional accident reports (facility report, newspaper, witnesses' statements). Mail this report to:

RISK MANAGEMENT SERVICES, INC.
PO BOX 32712
PHOENIX, AZ 85064-2712
OR FAX TO 602-274-9138
E-MAIL sblumit@theriskpeople.com

You must report all occurrences immediately. Thank you for your time and cooperation.

APPENDIX C:

National and International Masters Swimming Schedule

2013

Speedo USMS 1-Hour Postal Championship (25-yard or longer pool)

January 1–31, Davis Aquatic Masters

3–6 Mile Open Water National Championship (5 km)

April 27, Lee County Gulf Coast Swim Team, Gulf of Mexico, Fort Myers Beach, Fla.

U.S. Masters Swimming Spring National Championships (SCY)

May 9–12, IUPUI Natatorium, Indy Aquatic Masters, Indianapolis, Ind.

Speedo USMS 5K and 10K Postal Championship (50-meter pool only)

May 15–September 15, Swim Louisville Masters

6+ Mile Open Water National Championship (10 km)

May 19, Swim Las Vegas Masters, Lake Mead, Las Vegas, Nev.

1-Mile Open Water National Championship

June 9, Tri-Valley Masters, Lake Del Valle, Livermore, Calif.

9+ Mile Open Water (10 mile)

July 6, Indoor Recreation Orleans County/Northeast Open Water Swimming Association, Lake Memphremagog, Prouty Beach, Newport, Vt.

1–3 Mile Open Water National Championship (2.4 miles)

August 4, Mission Viejo Nadadores, Salt Creek State Beach, Dana Point, Calif

Marriott U.S. Masters Swimming Summer National Championships (LCM)

August 7–11, Mission Viejo Nadadores Masters, Mission Viejo, Calif.

2-Mile Cable National Championship

August 17, Adirondack Masters, Mirror Lake, Lake Placid, N.Y.

National Convention

September 10-15, Hyatt Regency Orange County, Anaheim, Calif.

Speedo USMS 3000/6000 Postal Championships (25-yard or 25-meter pool)

September 15–November 15, Central Illinois Masters

The contact information for meets and events can be found on the USMS Calendar of Events page at www.usms.org/comp/event_search.php.

2014

Speedo USMS 1-Hour Postal Championship (25-yard or longer pool)

January 1–31, Indy Aquatic Masters

U.S. Masters Swimming Spring National Championships (SCY)

May 1-4, Santa Clara Swim Club, Santa Clara, Calif.

Speedo USMS 5K and 10K Postal Championship (50-meter pool only)

May 15–September 15, Rogue Valley, Oreg.

1–3 Mile Open Water National Championship (2.4 miles)

May 17, Outdoor Chattanooga, Tennessee River, Tenn.

6+ Mile Open Water National Championship (10 km)

June (TBA), CIBBOWS, Hudson River, N.Y.

1-Mile Open Water National Championship

June 7, Davis Aquatic Masters, Lake Berryessa, Calif.

9+ Mile Open Water

July 26, Genesis/Hopkins, Lake Minnetonka, Minn.

3–6 Mile Open Water National Championship (5 km)

August 3, Central Oregon, Elk Lake, Oreg.

U.S. Masters Swimming Summer National Championships (LCM)

August 13–17, University of Maryland, College Park, Md.

2-Mile Cable National Championship

August 16, Adirondack Masters, Mirror Lake, Lake Placid, N.Y.

National Convention

September 17–21, Hyatt Regency, Jacksonville, Fla.

Speedo USMS 3000/6000 Postal Championships (25-yard or 25-meter pool only)

September 15–November 15, Central Oregon

APPENDIX D:

Zone and LMSC Boundaries

Zones

Breadbasket—Colorado, Iowa, Minnesota, Missouri Valley, Nebraska, North Dakota, Ozark, South Dakota.

Colonies—Adirondack, Connecticut, Delaware Valley, Maryland, Metropolitan, New England, New Jersey, Niagara, Potomac Valley, Virginia.

Dixie—Florida, Florida Gold Coast, Georgia, North Carolina, South Carolina, Southeastern, Southern.

Great Lakes—Allegheny Mountain, Illinois, Indiana, Kentucky, Lake Erie, Michigan, Ohio, Wisconsin.

Northwest—Alaska, Inland Northwest, Montana, Oregon, Pacific Northwest, Snake River, Utah.

Oceana—Hawaii, Pacific.

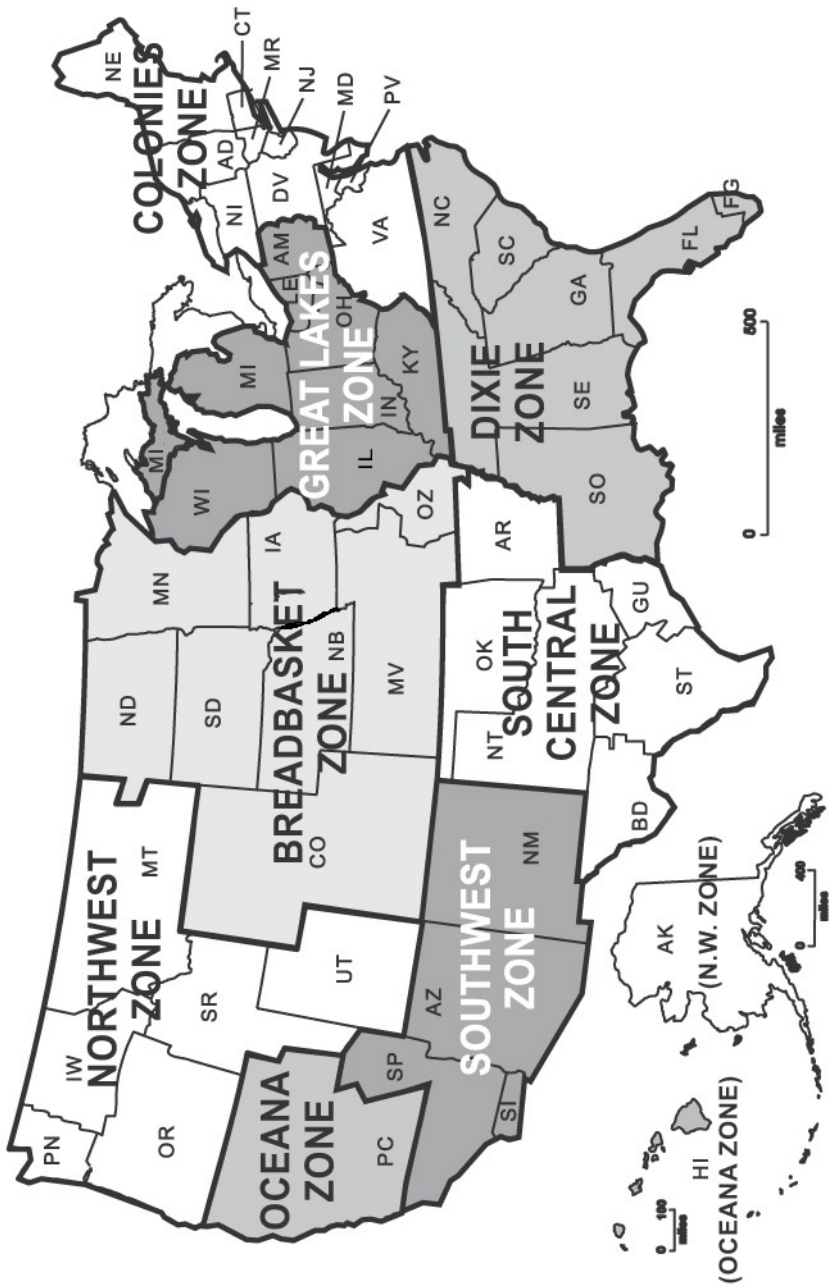
South Central—Arkansas, Border, Gulf, Oklahoma, North Texas, South Texas.

Southwest—Arizona, New Mexico, San Diego–Imperial, Southern Pacific.

LMSC Numeric Codes and Abbreviations

3	AD	Adirondack	29	NB	Nebraska
56	AK	Alaska	2	NE	New England
11	AM	Allegheny Mountain	7	NJ	New Jersey
48	AZ	Arizona	42	NM	New Mexico
23	AR	Arkansas	4	NI	Niagara
53	BD	Border	13	NC	North Carolina
32	CO	Colorado	52	ND	North Dakota
5	CT	Connecticut	26	NT	North Texas
8	DV	Delaware Valley	17	OH	Ohio
14	FL	Florida	27	OK	Oklahoma
50	FG	Florida Gold Coast	37	OR	Oregon
45	GA	Georgia	22	OZ	Ozark
25	GU	Gulf	38	PC	Pacific
39	HI	Hawaii	36	PN	Pacific Northwest
21	IL	Illinois	10	PV	Potomac Valley
16	IN	Indiana	44	SI	San Diego–Imperial
35	IW	Inland Northwest	59	SR	Snake River
40	IA	Iowa	55	SC	South Carolina
41	KY	Kentucky	54	SD	South Dakota
18	LE	Lake Erie	43	ST	South Texas
9	MD	Maryland	15	SE	Southeastern
6	MR	Metropolitan	24	SO	Southern
19	MI	Michigan	33	SP	Southern Pacific
30	MN	Minnesota	34	UT	Utah
28	MV	Missouri Valley	12	VA	Virginia
31	MT	Montana	20	WI	Wisconsin

Zone and LMSC Boundaries



D

LMSC Boundaries

Adirondack—The state of New York east and north of Oswego, Onondaga, Cortland, Broome, Sullivan, Orange and Dutchess Counties.

Alaska—The state of Alaska.

Allegheny Mountain—The commonwealth of Pennsylvania west of Potter, Clinton, Center, Huntingdon and Bedford Counties. In the state of West Virginia the counties of Marshall, Brooke, Ohio and Hancock. In the state of Ohio the counties of Columbiana, Belmont and Jefferson.

Arizona—The state of Arizona.

Arkansas—The state of Arkansas. In the state of Texas the county of Bowie.

Border—That part of the state of Texas west of but not including the counties of Val Verde, Sutton, Schleicher, Tom Green and Coke, and south of but not including the counties of Mitchell, Howard, Martin and Andrews.

Colorado—The states of Colorado and Wyoming.

Connecticut—The state of Connecticut.

Delaware Valley—The state of New Jersey south of Mercer and Ocean Counties. The state of Delaware. In the state of Maryland the county of Cecil. The commonwealth of Pennsylvania east of and including Potter, Clinton, Center, Huntingdon and Bedford Counties.

Florida—The state of Florida except the counties of Palm Beach, Broward, Dade, Monroe and that part of Hendry County east of Route 833; and also excluding the counties of Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay and that part of Calhoun and Jackson Counties west of the Apalachicola River.

Florida Gold Coast—In the state of Florida the counties of Palm Beach, Broward, Dade, Monroe and that part of Hendry County east of Route 833.

Georgia—The state of Georgia.

Gulf—That part of the state of Texas bounded on the north by and including the counties of Robertson, Leon, Houston, Angelina, Nacogdoches and Shelby; on the east by the state of Louisiana; on the south by the Gulf of Mexico; and on the west by and including the counties of Fort Bend, Wharton, Colorado, Waller, Grimes, Robertson, Brazos and Matagorda.

Hawaii—The state of Hawaii.

Illinois—The state of Illinois except the counties of St. Clair, Calhoun, Greene, Jackson, Jersey, Monroe and Madison.

Indiana—The state of Indiana except the counties of Floyd and Clark.

Inland Northwest—In the state of Washington the counties of Okanogan, Chelan, Douglas, Ferry, Stevens, Spokane, Lincoln, Grant, Kittitas, Asotin, Columbia, Yakima, Franklin, Adams, Whitman, Walla Walla, Garfield, Benton, Pend Oreille and that portion of Klickitat County east of Highway 97 and including the city of Goldendale. In the state of Idaho the counties of Bonner, Kootenai, Shoshone, Benewah, Latah, Lewis, Nez Perce, Idaho, Clearwater and Boundary.

Iowa—The state of Iowa.

LMSC Boundaries (Continued)

Kentucky—The commonwealth of Kentucky. In the state of Indiana the counties of Floyd and Clark.

Lake Erie—In the state of Ohio the counties of Tuscarawas, Seneca, Crawford, Erie, Huron, Richland, Lorain, Ashland, Cuyahoga, Medina, Lake, Geauga, Portage, Stark, Ashtabula, Trumbull, Mahoning, Summit and Wayne.

Maryland—The state of Maryland except the counties of Cecil, Montgomery and Prince Georges.

Metropolitan—The state of New York south of and including Sullivan, Orange and Dutchess Counties.

Michigan—The state of Michigan.

Minnesota—The state of Minnesota. In the state of Wisconsin the counties of St. Croix, Dunn and Pierce.

Missouri Valley—The state of Kansas. The state of Missouri including and bounded by the counties of Schuyler, Adair, Macon, Randolph, Audrain, Callaway, Cole, Moniteau, Morgan, Benton, Hickory, Polk, Greene, Christian and Taney.

Montana—The state of Montana except the counties of Dawson and Wibaux.

Nebraska—The state of Nebraska.

New England—The states of New Hampshire, Vermont, Rhode Island and Maine, and the commonwealth of Massachusetts.

New Jersey—The state of New Jersey north of and including the counties of Mercer, Monmouth and Ocean.

New Mexico—The state of New Mexico.

Niagara—The state of New York west of and including the counties of Oswego, Onondaga, Cortland and Broome.

North Carolina—The state of North Carolina.

North Dakota—The state of North Dakota. In the state of Montana the counties of Dawson and Wibaux.

North Texas—The state of Texas bounded on the south by but not including the counties of Winkler, Ector, Midland, Glasscock, Sterling, Coke, Runnels, Coleman, Brown, Mills, Lampasas, Bell, Milam, Robertson, Leon, Houston, Angelina, Nacogdoches and Shelby; on the west by the state of New Mexico; on the east by the state of Louisiana and the state of Arkansas; and on the north by the state of Oklahoma and the county of Bowie, Texas.

Ohio—The state of Ohio except the counties of Seneca, Crawford, Columbiana, Erie, Huron, Richland, Lorain, Ashland, Cuyahoga, Medina, Lake, Geauga, Portage, Stark, Ashtabula, Trumbull, Mahoning, Summit, Wayne, Belmont, Jefferson and Tuscarawas.

Oklahoma—The state of Oklahoma.

Oregon—The state of Oregon except Malheur County. In the state of Washington the counties of Cowlitz, Clark, Skamania and that portion of Klickitat County west of Highway 97.

LMSC Boundaries (Continued)

Ozark—The state of Missouri east of and including the counties of Scotland, Knox, Shelby, Monroe, Pike, Montgomery, Osage, Miller, Camden, Dallas, Webster, Douglas and Ozark. In the state of Illinois the counties of Calhoun, Greene, Jackson, Jersey, Madison, St. Clair and Monroe.

Pacific—The state of California north of but not including the counties of San Luis Obispo, Kern and San Bernardino. In the state of Nevada the counties of Humboldt, Washoe, Lyon, Storey, Mineral, Douglas, Churchill, Pershing, Lander and Carson City.

Pacific Northwest—The state of Washington west of but not including the counties of Okanogan, Chelan, Kittitas and Yakima, and north of but not including the counties of Cowlitz, Skamania and Klickitat.

Potomac Valley—The District of Columbia. In the state of Maryland the counties of Montgomery and Prince Georges. In the commonwealth of Virginia the counties of Arlington and Fairfax and the cities of Alexandria, Fairfax and Falls Church.

San Diego—Imperial—In the state of California the counties of San Diego and Imperial.

Snake River—The state of Idaho except the counties of Boundary, Bonner, Kootenai, Shoshone, Benewah, Latah, Clearwater, Nez Perce, Lewis and Idaho. In the state of Nevada the counties of Elko, White Pine and Eureka. In the state of Oregon the county of Malheur.

South Carolina—The state of South Carolina.

South Dakota—The state of South Dakota.

South Texas—The state of Texas bounded on the east by and including the counties of Milam, Burleson, Washington, Austin, Fayette, Lavaca and Jackson; on the south by the Gulf of Mexico and the Republic of Mexico; on the west by and including the counties of Val Verde, Sutton, Schleicher, Tom Green and Coke; and on the north by and including the counties of Coke, Runnels, Coleman, Brown, Mills, Lampasas, Bell and Milam.

Southeastern—The state of Alabama. The state of Tennessee. In the state of Florida the counties of Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington and Bay, and that part of Jackson and Calhoun Counties west of the Apalachicola River.

Southern—The states of Louisiana and Mississippi.

Southern Pacific—In the state of California the counties of San Luis Obispo, Kern, Ventura, Los Angeles, San Bernardino, Orange, Riverside and Santa Barbara. In the state of Nevada the counties of Clark, Esmeralda, Lincoln and Nye.

Utah—The state of Utah.

Virginia—The commonwealth of Virginia except the counties of Arlington and Fairfax and the cities of Alexandria, Fairfax and Falls Church. The state of West Virginia except the counties of Hancock, Brooke, Ohio and Marshall.

Wisconsin—The state of Wisconsin except the counties of St. Croix, Dunn and Pierce.

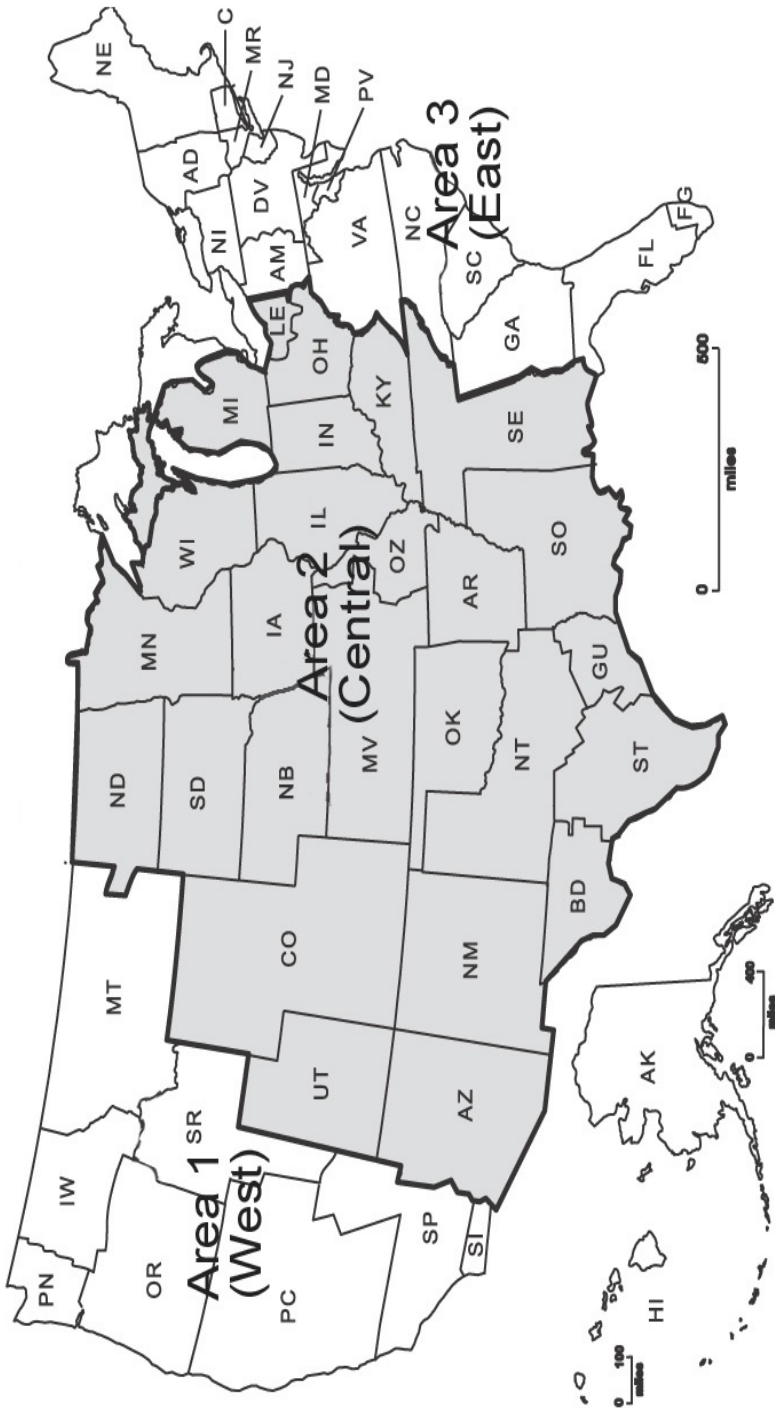
Bidding Areas for Long Distance National Championship Meets

Area 1—Area 1 shall be composed of the following LMSCs: Alaska, Hawaii, Inland Northwest, Montana, Oregon, Pacific, Pacific Northwest, San Diego–Imperial, Snake River and Southern Pacific.

Area 2—Area 2 shall be composed of the following LMSCs: Arizona, Arkansas, Border, Colorado, Gulf, Illinois, Indiana, Iowa, Kentucky, Lake Erie, Michigan, Minnesota, Missouri Valley, Nebraska, New Mexico, North Dakota, North Texas, Ohio, Oklahoma, Ozark, South Dakota, South Texas, Southeastern, Southern, Utah and Wisconsin.

Area 3—Area 3 shall be composed of the following LMSCs: Adirondack, Allegheny Mountain, Connecticut, Delaware Valley, Florida, Florida Gold Coast, Georgia, Maryland, Metropolitan, New England, New Jersey, Niagara, North Carolina, Potomac Valley, South Carolina and Virginia.

Bidding Areas for Long Distance National Championships



APPENDIX E: USMS Directory

USMS Board of Directors

President.....	Nadine Day
Vice President of Administration.....	Michael Heather
Vice President of Local Operations.....	Ed Tsuzuki
Vice President of Programs.....	David Diehl
Vice President of Community Services.....	Jody Smith
Secretary.....	C.J. Rushman
Treasurer.....	Ralph Davis
Immediate Past President.....	Jeff Moxie
Legal Counsel.....	Patty Miller
At-Large Director, Breadbasket Zone.....	Bruce Hopson
At-Large Director, Colonies Zone.....	Chris McGiffin
At-Large Director, Dixie Zone.....	Maria Elias-Williams
At-Large Director, Great Lakes Zone.....	Phil Dodson
At-Large Director, Northwest Zone.....	Hugh Moore
At-Large Director, Oceana Zone.....	Jim Clemmons
At-Large Director, South Central Zone.....	Jill Gellatly
At-Large Director, Southwest Zone.....	Phil Whitten
Past President.....	June Krauser
Past President.....	Ted Haartz
Past President.....	Michael Laux
Past President.....	Tom Boak
Past President.....	Dan Gruender
Past President.....	Mel Goldstein
Past President.....	Nancy Ridout
Past President.....	Jim Miller, M.D.
Past President.....	Rob Copeland
Executive Director.....	Rob Butcher

USMS National Office

Executive Director.....	Rob Butcher
Chief Financial Officer.....	Susan Kuhlman
Communications and Publications Director.....	Laura Hamel
Membership Director.....	Anna Lea Matysek
Membership Coordinator.....	Tracy Grilli
Club and Coach Services Director.....	Bill Brenner
Club Development Coordinator.....	Mel Goldstein
Marketing Coordinator.....	Kyle Deery
IT Director.....	Jim Matysek
Web Developer.....	Luke Shaheen
Web Developer.....	Jeff Perout
Office Manager.....	Claudia Woods

Zone Chairs and LMSC Chairs

Breadbasket Zone—Stacy Broncucia

Colorado.....	Brian Hoyt
Iowa.....	Norman Bower
Minnesota.....	Brian Holthus
Missouri Valley.....	Doug Hayden
Nebraska.....	Erin Sullivan
North Dakota.....	Bradley Myers
Ozark.....	Catherine Kohn
South Dakota.....	Jenny Hodges

Colonies Zone—Jeff Strahota

Adirondack.....	Dan Wall
Connecticut.....	Michael Laux
Delaware Valley.....	Laurie Hug
Maryland.....	Rand Vaillancourt
Metropolitan.....	Roberta Saint-Amour
New England.....	Bill Meier
New Jersey.....	Susan Kirk
Niagara.....	Gregory Danner
Potomac Valley.....	Jeffrey Strahota
Virginia.....	Patty Miller

Dixie Zone—Jerry Clark

Florida.....	Scott Bay
Florida Gold Coast.....	Matt Hooper
Georgia.....	Lisa Watson
North Carolina.....	Greta Van Meeteren
South Carolina.....	Joel Schmaltz
Southeastern.....	Nan DeStafney
Southern.....	Christine Frederic

Great Lakes Zone—Daniel Cox

Allegheny Mountain.....	Katherine Longwell
Illinois.....	Heather Howland
Indiana.....	Jim Barber
Kentucky.....	Meg Smath
Lake Erie.....	Daniel Cox
Michigan.....	Sally Guthrie
Ohio.....	Carl Bromer
Wisconsin.....	Jeanne Seidler

Northwest Zone—Tim Ward

Alaska	Joanne Wainwright
Inland Northwest.....	Paige Buehler
Montana	Donn Livoni
Oregon.....	Jeanne Teisher
Pacific Northwest.....	Lisa Dahl
Snake River.....	Paula Moores
Utah.....	Dennis Tesch

Oceana Zone—Michael Moore

Hawaii.....	Malcolm Cooper
Pacific	Peter Guadagni

South Central Zone—Tyler Blessing

Arkansas.....	Jeff Spencer
Border	Chris Lysinger
Gulf	Jill Gellatly
North Texas	Lynn Morrison
Oklahoma.....	Dewey Smith
South Texas	Ed Coates

Southwest Zone—Mary Hull

Arizona.....	Judy Gillies
New Mexico.....	Garrick Snider
San Diego—Imperial	Barbara Dunbar
Southern Pacific	Errol Graham

USMS COMMITTEES

Championship Committee—Jeff Roddin

Erin Shields—Vice Chair	Tom Boak
Tyler Blessing	Debbie Cavanaugh
Jim Clemmons	Kim Crouch
Barry Fasbender	Don Gilchrist
Steve Goldman	Jack Groselle
Mark Moore	Michael Moore
Patty Nardoizzi	Sandi Rousseau
Ed Saltzman	Jeff Strahota
Lisa Watson	Jillian Wilkins

Ex Officio: Kyle Deery , Jane Moore, Chris Stevenson
EC: Michael Heather

Coaches Committee—Scott Bay

Stuart Kahn – Vice Chair	Kenny Brisbin
Chris Campbell	Michael Collins
Lisa Dahl	Alben Fischer
Jared Foster	Kristin Gary
Emmett Hines	Heather Howland
Bob Jennings	Cokie Lepinski
Kimberly Lloyd	Frank Marcinkowski
Erin Mathews	Thomas Mester
Tricia Wallace	Jillian Wilkins

Ex Officio: Bill Brenner, CJ Rushman
Executive Committee: Jody Smith

Fitness Education Committee—Marcia Anziano

Linda Shoenberger – Vice Chair	Andrea Block
Mary Jane Caswell	Pam Dameron
Suzi Green	Ali Hall
Lisa Hiller	Michael McDonnell
Kay Miller	Lori Rick
Leslie Scott	Greta Van Meeteren
Robin Walker	Tricia Wallace

Kenneth Winterberger
Ex Officio: Kyle Deery
Executive Committee: Jody Smith

History and Archives Committee—Meegan Wilson

Barbara Dunbar—Vice Chair	John Bauman
Carolyn Bennett	Peggy Buchanan
Trisha Commons	Cheryl Gettelfinger
Paul Hutinger	Susan Nolte
Gail Roper	Frank (Skip) Thompson
Steve White	
Ex Officio: Anna Lea Matysek	
Executive Committee: Ed Tsuzuki	

Legislation Committee—Sean Fitzgerald

Meg Smath —Vice Chair	Joan Alexander
Marcia Anziano	Rob Copeland
Daniel Cox	Barbara Delanois
Peter Guadagni	Mary Hull
Arni Litt	Jane Masters
Debbie Morrin-Nordlund	Dick Pitman
Jim Shaw	Heather Stevenson
Erin Sullivan	Frank (Skip) Thompson
Ex Officio: Kathrine Casey, Susan Ehringer, Patty Miller, Anna Lea Matysek	
Executive Committee: Michael Heather	

LMSC Development Committee —Paige Buehler

Rick Noeth—Vice Chair	Tyler Blessing
Stacy Broncucia	Jerry Clark
Daniel Cox	Leianne Crittenden
Randy Crutchfield	Mary Hull
Cheryl Kupan	Chris McGiffin
Michael Moore	Thomas Moore
Lynn Morrison	Nicole Rembach
Jeffry Strahota	Erin Sullivan
Tim Waud	
Executive Committee: Ed Tsuzuki	



Appendix E

Long Distance Committee—Donn Livoni

John Traynor—Vice Chair	Bob Bruce
Colleen Driscoll	Heather Hagadorn
Ali Hall	Bruce Hopson
Susan Kirk	Phyllis Quinn
Karen Reeder	Jim Sauer
Dick Sidner	Thomas Spence
Ann Svenson	Greta Van Meeteren
Jill Wright	Robert Zeitner

Ex Officio: Susan Ehringer, Lynn Hazlewood, Rob Butcher
Executive Committee: David Diehl

Officials Committee—Ed Saltzman

Pat Baker—Vice Chair	Brian Albright
Charlie Cockrell	Marilyn Fink
Steve Goldman	John King
Caroline Lambert	Sean Murphy
Al Ness	Fred Pigott
Mary Pohlmann	Ed Stranc, Jr.

Ex Officio: Sandy Rousseau, Kathrine Casey, Clark Hammond, Laura Hamel
Executive Committee: David Diehl

Open Water Committee—Lynn Hazlewood

Rob Copeland—Vice Chair	Jen Baker
Bob Bruce	Glenda Carroll
Malcolm Cooper	Dominic Latella
Chris Lundie	Don Mehl
Sue Nutty	Dave Oplinger
Bill Roach	Heather Rodriguez
Heather Stevenson	John Traynor
Joanne Wainwright	Karin Wegner
Jim Wheeler	

Ex Officio: Donn Livoni, Rob Butcher
Executive Committee: David Diehl

Recognition and Awards Committee—Sally Ann Dillon

Ray Novitske—Vice Chair	Carolyn Boak
Peggy Buchanan	Rich Burns
Betsy Durrant	Cheryl Gettelfinger
Heather Howland	Margie Hutinger
Hugh Moore	Lori Payne
Walt Reid	Nancy Ridout
Laura Val	Robert Zeitner
Executive Committee: Ed Tsuzuki	

Records and Tabulation Committee—Chris Stevenson

Gregory Danner—Vice Chair	Michael Abegg
Barbara Dunbar	Emmett Hines
Ginger Pierson	Walt Reid
Jeanne Seidler	Mary Sweat
Hans Van Meeteren	Mary Beth Windrath
Executive Committee: Ed Tsuzuki	

Registration Committee—Leo Letendre

George Simon—Vice Chair	John Bauman
Scott Campbell	Susan Ehringer
Arni Litt	Nancy Ridout
Doug Sayles	Robin Tracy
Ex Officio: Tracy Grilli	
Executive Committee: Michael Heather	

Rules Committee—Kathrine Casey

Leianne Crittenden—Vice Chair	Matt Hooper—Vice Chair
Carolyn Boak	Charlie Cockrell
Sally Ann Dillon	Barry Fasbender
Marilyn Fink	Judy Gillies
Laura Groselle	Brian Hoyt
Catherine Kohn	Jessica Seaton
Ginny Trimble	Steve Unruh
Rand Vailancourt	Kris Wingenroth
Ex Officio: Susan Ehringer, Sean Fitzgerald, Dan McAllen, Ed Saltzman,	
Anna Lea Matysek	
Executive Committee: Michael Heather	

Appendix E

Sports Medicine and Science Committee—Jane Moore

Sally Guthrie—Vice Chair

Jon Blank

Heidi Crino

Lisa Hiller

Jane Katz

Lo Knapp

Katherine Longwell

Jim Miller, M.D.

Ellen Parchen

Mary Pohlmann

Jessica Seaton

Robin Tracy

Ex Officio: Laura Hamel

Executive Committee: Jody Smith

Board of Directors Committees

Audit Committee—Elyce Dilworth

Jill Gellatly—Vice Chair

Jeanne Ensign

Ex Officio: Ralph Davis, Susan Kuhlman

Phil Dodson

Paul Griffin

Compensation and Benefits Committee—Sarah Welch

Jim Miller, M.D.—Vice Chair

Hill Carrow

Ex Officio: Nadine Day, Rob Butcher

Erika Braun

Ed Coates

Finance Committee—Jeanne Ensign

Laszlo Eger—Vice Chair

Sherri Bogue

Joanie Campbell

Phil Dodson

Paul Griffin

Kildine Harms

Homer Lane

Laura Winslow

Ex Officio: Ralph Davis, Susan Kuhlman

Tom Boak

David Burgio

Elyce Dilworth

Betsy Durrant

Harry Greenfield

Lucy Johnson

Sarah Welch

Governance Committee—Hugh Moore

Anthony Thompson—Vice Chair

Sean Fitzgerald

Jim Wheeler

Leianne Crittenden

Patty Miller

Investment Committee—David Burgio

Elyce Dilworth—Vice Chair

Homer Lane

Ex Officio: Ralph Davis

Stan Benson

Bill Sherman

Policy Committee — Bruce Hopson

Betsy Durrant—Vice Chair

Maria Elias-Williams

Ex Officio: Nadine Day

Carl Bromer

Phil Whitten

Swimming Saves Lives Fund—Doug Church

Jeff Moxie—Vice Chair
Tom Boak
Nadine Day
Ted Haartz
Deborah Malafsky
Nancy Ridout
Ex Officio: Rob Butcher

Diane Bartlett
Rob Copeland
Brandon Franklin
Tom Holmberg
Jim Miller M.D.
Dia Rianda

Special Appointments and Liasons

Convention Coordinator—Tracy Grilli
FINA Representative— Nancy Ridout
FINA Sports Medicine Committee—Jim Miller M.D.
ISHOF Liaison—Walt Reid
National Board of Review Chair—Laura Groselle
Parliamentarian—William Tingley
Rule Book Coordinator—Susan Ehringer
UANA Masters Technical Committee Chair—Mel Goldstein
UANA Masters Technical Committee—Jim Miller, M.D.
U.S. Aquatic Sports Representative—Nadine Day
U.S. Aquatic Sports Treasurer—Tom Boak
USMS Liaison to International Gay and Lesbian Aquatics—Bruce Hopson
USMS Liaison to USA Swimming—Patty Miller

APPENDIX F:

USMS History

Capt. Ransom J. Arthur, M.D. Award

Given in honor of Capt. Ransom J. Arthur, M.D., who, by his sacrifice, perseverance and dedication to improving the health of adults through swimming, established USMS, to the person who has done the most to further the objectives of USMS.

1973	Ransom J. Arthur	1993	Kathrine Casey
1974	June Krauser	1993	Gail Dummer
1975	Hal Onusseit	1994	Nancy Ridout
1976	F.H. "Ted" Haartz	1995	Mary Lee Watson
1977	Dr. Paul Hutinger	1996	Suzanne Rague
1978	Mildred Anderson	1997	Mel Goldstein
1978	Hamilton Anderson	1998	William Tingley
1979	Ray Taft	1999	Jim Miller
1979	Zada Taft	2000	Joan Smith
1980	Enid Urich	2000	Richard Smith
1980	Ed Reed Sr.	2001	Carolyn Boak
1981	Cindy Baxter	2002	Hugh Moore
1982	Harry Rawstrom	2002	Jane Moore
1983	Dorothy Donnelly	2003	Sandi Rousseau
1984	Reg Richardson	2004	Leo Letendre
1985	Michael Laux	2005	Betsy Durrant
1986	Judge Robert Beach	2006	Sally Ann Dillon
1987	Ross Wales	2007	Jeanne Ensign
1988	John Spannuth	2008	Barry Fasbender
1989	Dan Gruender	2009	Julie Heather
1989	Edie Gruender	2010	Lynn Hazlewood
1990	Jack Geoghegan	2011	Rob Copeland
1991	Tom Boak	2012	Doug Church
1992	Walt Reid		

Speedo/USMS Coach of the Year Award

Presented to the coach who has done the most to further the objectives of USMS.

1986	Jim Miller, M.D.	1999	Ron Johnson
1987	Kerry O'Brien	2000	Frank (Skip) Thompson
1988	Keith Bell	2001	Mel Goldstein
1989	William Tingley	2002	Jim Montgomery
1990	Michael Collins	2003	Bob Bruce
1991	Judy Bonning	2004	Scott Williams
1992	Clay Evans	2005	Mark Moore
1992	Gerry Rodrigues	2006	Sue Welker
1993	Emmett Hines	2007	Kris Houchens
1994	Todd Samland	2008	Susan Ingraham
1995	Scott Rabalais	2009	Nancy Kirkpatrick-Reno
1996	Mo Chambers	2010	Bobby Patten
1997	Bonnie Adair	2011	Chad Durieux
1998	Ed Nessel	2012	Stuart Kahn

2012 USMS Dorothy Donnelly Service Award

Given in memory of Dorothy Donnelly, who served USMS meticulously and without reservation. USMS is forever grateful to the hundreds of talented volunteers who give their time, talent and expertise to help all phases of our programs. Among those volunteers are some whose service stands out in its scope, its impact on the program and the numbers of USMS members who have benefited from their efforts on the local, regional and national level.

Bob Bruce	Susan Kirk
Jim Barber	George McVey
Marianne Bradley	Robert Mitchell
Chris Campbell	Debbie Morrin-Norlund
Jim Clemmons	Lori Payne
Brian Cohn	Tom Spence
Jill Gellatly	Jeanne Teisher
Brian Holthus	Paul Wrangell

2012 USMS Kerry O'Brien Coaching Award

Awarded for grassroots coaching accomplishment.

- Valeriy Boreyko, University of San Francisco Masters
- Tim Edmonds, Stanford Masters
- Gary Henderson, Villages Aquatic Swim Team
- Mark Kurtz, Virginia Masters Swim Team
- Kurt Olson, Modesto Area Aquatic Club
- Laura Schuster, Mountain View Masters
- Leslie Scott, Greenville Splash Masters Club

USMS Club of the Year Award

Recognizes clubs that embody the mission of USMS in the hopes that others may look to them as models of excellence.

2006	YMCA Indy SwimFit
2007	Walnut Creek Masters
2008	Woodlands Masters Swim Team
2009	Noblesville Adult Swim Team
2009	Mission Viejo Nadadores
2010	Asphalt Green Unified Aquatic Masters
2011	Michigan Masters (regional)
2011	Davis Aquatic Masters (local)
2012	Sarasota YMCA Sharks (local)

USMS June Krauser Communications Award

Recognizes outstanding contributions to communications within USMS. The award is named after June Krauser, editor of the first national newsletter.

2005	June Krauser	2010	Pacific LMSC: Tracy Barbates, Joanne Berven, Caroline Lambert, Michael Moore
2006	Lynn Hazlewood	2011	Jane Katz
2007	Julie Heather	2012	Phil Whitten
2008	Dr. Paul Hutinger		
2009	Meg Smath		

USMS Fitness Award

Presented by the Fitness Education Committee to individuals and organizations demonstrating outstanding contribution to fitness activities within USMS.

2003	Pam Himstreet	2005	Doug Brogan
1997	Scott Rabalais	2005	Marianne Brogan
2000	Bill Volckening	2007	Mary Sweat
2002	Bill Volckening	2008	Linda Shoenberger
2003	Dr. Paul Hutinger	2010	Nancy Brown
2003	Margie Hutinger	2011	Jane Katz
2004	Jody Welborn		

APPENDIX F

USMS National Championship Meets Award

Presented by the Raleigh Area Masters to the person or persons who contributed the most to USMS national championship meets.

1993	Paul Windrath	2001	Hugh Moore
1993	Wayde Mulhern	2001	Jane Moore
1993	June Krauser	2002	Carolyn Boak
1994	Gene Donner	2003	Mark Gill
1994	George McVey	2004	Hill Carrow
1994	Betty Barry	2005	Tracy Grilli
1994	Tom Boak	2006	Michael Moore
1995	John Zell	2007	Bob Brown
1995	Mel Goldstein	2007	Helen Brown
1996	F.H. "Ted" Haartz	2008	Tom Taylor
1997	Sandi Rousseau	2009	Barry Fasbender
1998	Stu Marvin	2010	Mark Moore
1999	Jim Matysek	2011	Herb Schwab
2000	Anneliese Eggert	2012	Jeff Roddin
2000	Walt Eggert		

Ted Haartz USMS Staff Appreciation Award

Recognizes individuals who have demonstrated excellence in assisting and supporting the staff in the National Office with its professional duties of servicing, promoting and building the membership.

2009	F.H. "Ted" Haartz	2011	Ralph Davis
2010	George Simon	2012	Ed Tsuzuki

For more information about USMS awards, go to the USMS Awards page at www.usms.org/admin/awards.

**USMS Athletes Inducted into the
International Masters Swimming Hall of Fame**

Honor Masters Swimmers

- 2003 Jayne Bruner, Barbara Dunbar, Tim Garton, Graham Johnston,
June Krauser, G. Harold “Gus” Langner, Kelley Lemmon, Maxine
Merlino, Ardeth Mueller, Gail Roper, Ray Taft, Clara Walker
- 2004 Aldo da Rosa, Paul Hutinger, Frank Piemme, Laura Val
- 2005 Burwell Jones, Betsy Jordan, Sandy Neilson-Bell, Tod Spieker
- 2006 Drury Gallagher, Katherine Pelton, Walter Pfeiffer, Rita Simonton,
William Specht, Lavelle Stoinoff
- 2007 Woodrow Bowersock, Jean Durston, Sandy Galletly, Ronald
Johnson, Karlyn Pipes-Neilsen
- 2008 Maria Lenk, Jim McConica, Robert Strand
- 2009 Margery Meyer, Gertrud Zint
- 2010 Rich Burns, Lois (Kivi) Knochman
- 2011 Rich Abrahams, Jeff Farrell
- 2012 Tim Birnie, Carolyn Boak

Honor Open Water Swimmers

- 2007 Suzanne Heim-Bowen

Honor Contributors

- 2003 Ransom Arthur
- 2005 Phil Whitten
- 2012 Mel Goldstein

**USMS Athletes Inducted into the
International Swimming Hall of Fame**

Honor Swimmers

- 1995 Clara Lamore Walker and G. Harold “Gus” Langner
- 1996 Ardeth Mueller and Ray Taft
- 1997 Gail Roper and Tim Garton
- 1998 Jayne Owen Bruner and Graham Johnston
- 1999 Maxine Merlino and Kelley Lemmon
- 2000 Barbara Dunbar
- 2003 Laura Val

Honor Contributors

- 1990 Ransom Arthur
- 1994 June Krauser

USMS Long Course National Championship Meets

Year	Date	Location	Swimmers
1972	8/11–13	Bloomington, Ind.	188
1973	8/10–12	Chicago, Ill.	500
1974	9/6–8	Santa Clara, Calif.	584
1975	8/29–31	Knoxville, Tenn.	394
1976	8/27–29	St. Louis, Mo.	514
1977	8/25–28	Spokane, Wash.	525
1978	8/31–9/3	Providence, R.I.	540
1979	8/23–26	Dearborn, Mich.	689
1980	8/29–9/1	Santa Clara, Calif.	987
1981	8/13–16	Canton, Ohio	741
1982	8/26–29	Portland, Ore.	915
1983	8/25–28	Indianapolis, Ind.	908
1984	8/23–26	Raleigh, N.C.	840
1985	8/17–20	Providence, R.I.	800
1986	8/21–24	Portland, Ore.	933
1987	8/21–24	The Woodlands, Texas	872
1988	8/25–28	Buffalo, N.Y.	1,071
1989	8/17–20	Grand Forks, N.D.	586
1990	8/17–20	The Woodlands, Texas	829
1991	8/22–25	Elizabethtown, Ky.	720
1992	8/20–23	Federal Way, Wash.	1,150
1993	8/19–22	Minneapolis, Minn.	1,085
1994	8/25–28	Buffalo, N.Y.	716
1995	8/24–27	Gresham, Ore.	1,010
1996	8/21–25	Ann Arbor, Mich.	1,176
1997	8/14–17	Orlando, Fla.	881
1998	8/20–23	Fort Lauderdale, Fla.	922
1999	8/19–23	Minneapolis, Minn.	949
2000	8/17–20	Baltimore, Md.	1,380
2001	8/16–19	Federal Way, Wash.	959
2002	8/16–19	Cleveland, Ohio	1,022
2003	8/13–17	Rutgers, N.J.	871
2004	8/12–15	Savannah, Ga.	1,084
2005	8/10–14	Mission Viejo, Calif.	1,109
2006		Not held—World Championships	
2007	8/10–13	The Woodlands, Texas	911
2008	8/14–17	Mount Hood, Ore.	1,131
2009	8/6–10	Indianapolis, Ind.	1,150
2010	8/9–12	San Juan, Puerto Rico	632
2011	8/3–6	Auburn, Ala.	688
2012	July 5–8	Omaha, Neb.	1,257

USMS Short Course National Championship Meets

Year	Date	Location	Swimmers
1970	5/2-3	Amarillo, Texas	46
1971	5/7-8	Amarillo, Texas	108
1972	5/19-21	San Mateo, Calif.	325
1973	5/18-20	Santa Monica, Calif.	500
1974	5/17-19	Fort Lauderdale, Fla.	561
1975	5/16-18	Fort Lauderdale, Fla.	663
1976	5/14-16	Mission Viejo, Calif.	800
1977	5/13-15	Fort Lauderdale, Fla.	611
1978	5/19-21	San Antonio, Texas	560
1979	5/4-7	Mission Viejo, Calif.	1,020
1980	5/16-18	Fort Lauderdale, Fla.	875
1981	5/23-26	Irvine, Calif.	1,209
1982	5/21-24	The Woodlands, Texas	910
1983	5/28-31	Fort Lauderdale, Fla.	1,208
1984	5/26-29	Industry Hills, Calif.	1,227
1985	5/9-12	Milwaukee, Wisc.	1,021
1986	5/15-18	Fort Pierce, Fla.	1,231
1987	5/15-18	Stanford Univ., Calif.	2,328
1988	5/19-22	Austin, Texas	1,405
1989	5/4-7	Boca Raton, Fla.	1,755
1990	5/18-21	Los Angeles, Calif.	1,592
1991	5/16-19	Nashville, Tenn.	1,529
1992	5/21-24	Chapel Hill, N.C.	1,502
1993	5/20-23	Santa Clara, Calif.	2,055
1994	5/13-16	Tempe, Ariz.	1,912
1995	5/18-21	Fort Lauderdale, Fla.	1,992
1996	5/9-12	Cupertino, Calif.	2,048
1997	5/15-18	Federal Way, Wash.	1,438
1998	5/7-10	Indianapolis, Ind.	1,738
1999	5/13-16	Santa Clara, Calif.	2,060
2000	4/27-30	Indianapolis, Ind.	1,390
2001	5/17-20	Santa Clara, Calif.	1,850
2002	5/14-17	Honolulu, Hawaii	1,103
2003	5/15-18	Tempe, Ariz.	1,922
2004	4/22-25	Indianapolis, Ind.	1,564
2005	5/19-22	Fort Lauderdale, Fla.	1,620
2006	5/4-7	Coral Springs, Fla.	1,276
2007	5/17-20	Federal Way, Wash.	1,456
2008	5/1-4	Austin, Texas	1,865
2009	5/7-10	Clovis, Calif.	1,582
2010	5/20-23	Atlanta, Ga.	1,975
2011	4/28-5/1	Mesa, Ariz.	1,817
2012	4/26-29	Greensboro, N.C.	1,864

USMS Annual Meetings and National Officers

Date	Location	Officers
1971	Lake Placid, N.Y.	
1972	Kansas City, Kan.	Ransom J. Arthur P, Judge Robert Beach VP
1973	W. Yellow- stone, Mont.	Ransom J. Arthur P, Judge Robert Beach VP
1974	Washington, D.C.	June Krauser P, David Beardsley S
1975	New Orleans, La.	June Krauser P, David Beardsley S
1976	Phoenix, Ariz.	June Krauser P, David Beardsley S
1977	Columbus, Ohio	June Krauser P, F.H. "Ted" Haartz S
1978	San Antonio, Texas	F.H. "Ted" Haartz P, Enid Urich S
1979	Las Vegas, Nev.	F.H. "Ted" Haartz P, Don Rankin VP, Enid Urich S, Reg Richardson T, Bobbi Turcotte ZC
1980	Snow Bird, Utah	F.H. "Ted" Haartz P, Michael A. Laux VP, Enid Urich S, Reg Richardson T, Bobbi Turcotte ZC
1981	Snow Bird, Utah	F.H. "Ted" Haartz P, Michael A. Laux VP, Enid Urich S, Reg Richardson T, Bobbi Turcotte ZC
1982	Memphis, Tenn.	Michael A. Laux P, Verne Scott VP, Dorothy Don- nelly S, Reg Richardson T, Bobbi Turcotte ZC
1983	Cincinnati, Ohio	Michael A. Laux P, Verne Scott VP, Dorothy Don- nelly S, Reg Richardson T, Gail Dummer ZC
1984	Indianapolis, Ind.	Michael A. Laux P, Verne Scott VP, Dorothy Don- nelly S, Reg Richardson T, Gail Dummer ZC
1985	Phoenix, Ariz.	Michael A. Laux P, Verne Scott VP, Dorothy Don- nelly S, Reg Richardson T, Dore Schwab ZC
1986	Fort Worth, Texas	Tom Boak P, Gail Dummer VP, Nancy Ridout S, Kevin Kelly T, Dore Schwab ZC
1987	Atlanta, Ga.	Tom Boak P, Gail Dummer VP, Nancy Ridout S, Kevin Kelly T, Edie Gruender ZC
1988	St. Louis, Mo.	Tom Boak P, Gail Dummer VP, Nancy Ridout S, Kevin Kelly T, Edie Gruender ZC
1989	Portland, Ore.	Tom Boak P, Gail Dummer VP, Nancy Ridout S, Kevin Kelly T, Pat Maley ZC

USMS Annual Meetings and National Officers (Continued)

1990	Pittsburgh, Pa.	Dan Gruender P, Nancy Ridout VP, Mel Goldstein S, Suzanne Rague T, Pat Maley ZC
1991	Louisville, Ky.	Dan Gruender P, Nancy Ridout VP, Mel Goldstein S, Suzanne Rague T, Betsy Durrant ZC
1992	Minneapolis, Minn.	Dan Gruender P, Nancy Ridout VP, Mel Goldstein S, Suzanne Rague T, Betsy Durrant ZC
1993	Los Angeles, Calif.	Dan Gruender P, Nancy Ridout VP, Mel Goldstein S, Suzanne Rague T, Betsy Durrant ZC
1994	Kansas City, Mo.	Mel Goldstein P, Jim Miller, M.D., VP, Suzanne Rague S, Lucy Johnson T, Betsy Durrant ZC
1995	Houston, Texas	Mel Goldstein P, Jim Miller, M.D., VP, Suzanne Rague S, Lucy Johnson T, Betsy Durrant ZC
1996	Orlando, Fla.	Mel Goldstein P, Jim Miller, M.D., VP, Suzanne Rague S, Lucy Johnson T, Stephanie Walsh ZC
1997	Burlingame, Calif.	Mel Goldstein P, Jim Miller, M.D., VP, Suzanne Rague S, Lucy Johnson T, Stephanie Walsh ZC
1998	Cincinnati, Ohio	Nancy Ridout P, Jack Geoghegan VP, Betsy Durrant S, Jeanne Ensign T, Hugh Moore ZC
1999	San Diego, Calif.	Nancy Ridout P, Jack Geoghegan VP, Betsy Durrant S, Jeanne Ensign T, Hugh Moore ZC
2000	Kissimmee, Fla.	Nancy Ridout P, Jack Geoghegan VP, Betsy Durrant S, Jeanne Ensign T, Hugh Moore ZC
2001	Louisville, Ky.	Nancy Ridout P, Jack Geoghegan VP, Betsy Durrant S, Jeanne Ensign T, Lynn Hazlewood ZC
2002	Dallas/Fort- Worth, Texas	Jim Miller, M.D., P, Scott Rabalais VP, Sally Ann Dillon S, Doug Church T, Lynn Hazlewood ZC (Wayne McCauley, acting ZC)
2003	San Diego, Calif.	Jim Miller, M.D., P, Scott Rabalais VP, Sally Ann Dillon S, Doug Church T, Lynn Hazlewood ZC
2004	Orlando, Fla.	Jim Miller, M.D., P, Scott Rabalais VP, Sally Ann Dillon S, Doug Church T, Lynn Hazlewood ZC
2005	Greensboro, N.C.	Jim Miller, M.D., P, Scott Rabalais VP, Sally Ann Dillon S, Doug Church T, Lynn Hazlewood ZC
2006	Dearborn, Mich.	Rob Copeland P, Mark Gill VPMS, Michael Heather VPCS, Leo Letendre VPNO, Julie Heather VPLO, Meg Smath S, Tom Boak T
2007	Anaheim, Calif.	Rob Copeland P, Mark Gill VPMS, Michael Heather VPCS, Leo Letendre VPNO, Julie Heather VPLO, Meg Smath S, Tom Boak T

USMS Annual Meetings and National Officers (Continued)

2008	Atlanta, Ga.	Rob Copeland P, Mark Gill VPMS, Michael Heather VPCS, Leo Letendre VPNO, Julie Heather VPLO, Meg Smath S, Jeff Moxie T
2009	Chicago, Ill.	Rob Copeland P, Heather Hagadorn VPMS, Michael Heather VPCS, Leo Letendre VPNO, Julie Heather VPLO, Meg Smath S, Jeff Moxie T
2010	Dallas, Texas	Jeff Moxie P, David Diehl VPMS, Nadine Day VPCS, Michael Heather VPNO, Ed Tsuzuki VPLO, C.J. Rushman S, Ralph Davis T
2011	Jacksonville, Fla.	Jeff Moxie P, David Diehl VPMS, Nadine Day VPCS, Michael Heather VPNO, Ed Tsuzuki VPLO, C.J. Rushman S, Ralph Davis T
2012	Greensboro, N.C.	Nadine Day P, David Diehl VPP, Jody Smith VPCS, Michael Heather VPA, Ed Tsuzuki VPLO, C.J. Rushman S, Ralph Davis T

World Championship Meets

Year	Date	Location	Swimmers
1986	7/12–16	Tokyo, Japan	3,400
1988	10/9–16	Brisbane, Australia	3,594
1990	8/6–13	Rio de Janeiro, Brazil	1,685
1992	6/25–7/5	Indianapolis, Ind., USA	2,406
1994	6/4–10	Montreal, Canada	3,474
1996	6/23–7/2	Sheffield, England	3,837
1998	6/19–27	Casablanca, Morocco	1,954
2000	7/27–8/9	Munich, Germany	6,184
2002	3/21–4/3	Christchurch, New Zealand	2,386
2004	6/3–31	Riccione, Italy	6,306
2006	8/3–17	Stanford, Calif., USA	5,535
2008	5/15–25	Perth, Australia	5,104
2010	7/27–8/7	Goteburg and Boras, Sweden	5,233
2012	6/8–6/17	Riccione, Italy	9,674

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