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2010

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

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DEDICATION

The *2010 United States Masters Swimming Code of Regulations and Rules of Competition* is dedicated to Bill Volckening. Bill has been an important part of U.S. Masters Swimming for more than a decade. He was the longtime USMS editor for SWIM magazine and then part of the transition team that got SWIMMER magazine off the ground. He served with distinction as the first editor of SWIMMER. In addition to his duties with the magazines, Bill has volunteered his time to design entries for the annual rule book cover contest. His beautiful images have graced the cover of many rule books--in fact, no one has designed more covers than Bill. His efforts as both paid staff and volunteer are sincerely appreciated.

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1993	Kathrine Casey and Gail Dummer
1994	All USMS volunteers
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1996	Dorothy Donnelly
1997	Jack Geoghegan
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CORE OBJECTIVES

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

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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 fitness and health in adults by offering and supporting Masters swimming programs.

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.

Major Changes For 2010

Committee Changes: The following committees were deleted: Communications, Publications Management, International, Marketing, Open Water and Long Distance, and Zone. The following committees were added: Open Water, LMSC Development, and Long Distance. The Finance Committee was made a permanent committee of the Board of Directors.

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.

~~**Workout Groups:** For administrative or competitive purposes, a club may establish workout groups within the club.~~

- ~~• An LMSC must approve the establishment of workout groups within clubs and if the LMSC so chooses, all clubs within the LMSC shall have the option to establish workout groups.~~
- ~~• Clubs that are organized into workout groups shall have the right to determine workout group affiliation requirements.~~
- ~~• Workout group affiliation may be used to organize competitions except for zone or national championship meets. When workout group affiliation is used to organize a meet, the official results must indicate club affiliation of each competitor without reference to workout group affiliation.~~
- ~~• Recognition of workout groups shall be at the discretion of a meet host. (article 201.2.5)~~

Club Designation for National Championship Meets: 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 before the first day of competition at the national championship meet.

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.
- Body**—the torso, including shoulders and hips.
- Bulkhead**—moveable end wall of a course.
- Cable Swim**—a straightaway swim alongside a quarter-mile cable, measured within plus or minus six inches, in open water and defined by a cable with floats or a continuous marking system visible to the swimmer.
- Calm State or Surface**—normal level surface without turbulence.
- 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 an open water event, 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 used for the swimmers' safety and logistical support.
- 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 Amateur (International Federation of Amateur Swimming).

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.

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

Grease—a substance used by the 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 the starting end to the turning end 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 the starting end to the turning end.

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.

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 acknowledgement 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 non-members 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—use of the top of the instep of one foot and the bottom of the other foot in the propulsive part of the kick.

SCN—Swimming Canada Natation.

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.

Shall—mandatory.

Should—recommended but not mandatory.

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 that is set on a straight course.

Submitted Times—those filed with an entry as having been previously achieved or reasonably estimated.

Team—a group of swimmers representing the same club in a competition.

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.

Unattached Member—an individual member who does not represent a USMS club.

USAS—United States Aquatic Sports Inc.

USMS—United States Masters Swimming Inc.

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 touch pad 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.

PART 1:

SWIMMING RULES

1

All provisions under *Part 1: Swimming Rules*, unless otherwise specified, are effective beginning January 1, 2010, 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, the edge of the pool, or on the wall before the command “Take your mark.” Those starting in the water must have at least one hand in contact with the wall or starting block.

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 return without undue delay to the starting position.

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

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 non-sanctioned or non-recognized activities will not be recorded for official purposes and

102.2

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 of the following events may be conducted. Any event conducted must be offered for all groups and both genders. For open water and long distance events, see article 302.

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

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

- 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.
- 102.9.4** 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.
- 102.9.5** 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.
- 102.9.6** 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, 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.
- 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 first 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 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.

102.12 SCORING

The following is recommended for all Masters swimming competition.

102.12.1 Dual Meets

Individual events: 5-3-1-0

Relay events: 7-0

102.12.2 Triangular Meets

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

Relay events: 8-4-0

102.12.3 Other Meets

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.

102.12.4 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.

102.12.5 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.

102.13 CHANGE OF PROGRAM AND POSTPONEMENT

102.13.1 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.

102.13.2 At the meet referee's discretion, events may be combined by distance and/or stroke.

102.13.3 The entry provisions and starting time of any event, meet or portion thereof shall stand as stated in the meet announcement (except as permitted in article 102.13.3) 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. 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 and should 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.

102.13.4 Postponement or Cancellation

- A.** If, prior to the start of a meet or event if 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** 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).

102.14 SWIMWEAR

102.14.1 Design—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.

102.14.2 Swimwear shall include only a swimsuit, cap and goggles (a nose clip and ear plugs are allowed). Arm bands or leg bands shall not be regarded as parts of the swimsuit and are not allowed.

102.14.3 In swimming competitions, the competitor must wear only one swimsuit in one or two pieces. All swimsuits shall be made from textile materials. Except for open water competitions, 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.

- 102.14.4** Only swimsuits complying with FINA swimsuit specifications may be worn in any USMS sanctioned or recognized competition.
- 102.14.5** 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.
- A** Procedures for applying for an exemption will be established by the Rules Committee and posted on the US Masters Swimming website.
 - B** No exemption to these restrictions will be granted for a swimsuit that will give the swimmer a competitive advantage.
 - C** The decision of the Rules Chair may be appealed only to the entire Rules Committee whose decision shall be final and binding on all parties.
- 102.14.6** Swimmers are not permitted to wear or use any device or substance to help their speed, pace, buoyancy or endurance during a race (such as webbed gloves, flippers, fins, etc.). Goggles may be worn, and rubdown oil applied if not considered excessive by the referee. Any kind of tape on the body is not permitted unless approved by the referee.
- 102.14.7** **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.

102.15 DISQUALIFICATIONS

- 102.15.1** 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.
- 102.15.2** 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 them as to the reason for the disqualification.
- 102.15.3** 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.
- 102.15.4** A swimmer must start and finish the race in the assigned lane.
- 102.15.5** 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.
- 102.15.6** 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.
- 102.15.7** 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.

- 102.15.8** 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 doing the fouling.
- 102.15.9** Grasping the lane line or side wall to assist forward motion is not permitted.
- 102.15.10** For relay disqualifications, refer to article 101.7.3.
- 102.15.11** 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 made prior to the decision to disqualify, they shall be returned and made to the proper recipient(s), and if points have been scored by those disqualified, the event shall be rescored.
- 102.15.12** Time and/or place officially recorded for a swimmer shall not be nullified for violations occurring subsequent to such performance.
- 102.15.13** 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.

102.16 PROTESTS

- 102.16.1** The official results of any protested race shall not be announced, the affected awards shall not be given and points scored shall not be allocated until the protest is resolved or is withdrawn in writing.
- 102.16.2** 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.
- 102.16.3** 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.
- 102.16.4** 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.
- 102.16.5** 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.

102.17 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 REQUIRED PERSONNEL

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

103.1.1 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.

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

103.2 CERTIFICATION OF OFFICIALS

The referee shall be certified as a stroke and turn judge, starter or referee by USA Swimming, USMS, YMCA or any other USMS-approved certifying body (Appendix B).

103.3 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.

103.4 MEET DIRECTOR

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

103.5 MEET COMMITTEE

Appointed by the meet sponsor. 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 have full authority over all officials and shall assign and instruct them; 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; 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 penalty.
- 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; shall assign marshals with specific instructions.
- 103.6.4** The referee shall give a decision on any point where the opinions of the judges differ; shall have authority to intercede in a competition at any stage to ensure that the racing conditions are observed.
- 103.6.5** When automatic or semiautomatic officiating equipment is used and an apparent malfunction occurs, it shall be the referee's responsibility to make an immediate investigation to determine whether the swimmer finished in accordance with the rules and/or if there was an actual equipment malfunction.
- 103.6.6** The referee may prohibit the use of any device that disrupts or interferes with the meet, such as a laser pointing device or artificial noisemaker.
- 103.6.7** 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 does not set precedent. It shall be the responsibility of the swimmer or a representative to notify the referee of the disability prior to competition.
- 103.6.8** When conducting events from alternate ends of a 50-meter course or conducting freestyle events longer than 200 meters two-to-a-lane, the referee shall establish the necessary administrative and officiating procedures to conform to article 102.10.
- 103.6.9** Refer to article 102.16 concerning protests.

103.7 ADMINISTRATIVE REFEREE

The administrative referee shall resolve errors in entries and seeding, make adjustments as required and verify timing (articles 103.11.4, 103.12.4C-F), verify record documentation and perform other duties as assigned by the meet referee.

103.8 STARTER

- 103.8.1 Equipment**—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, shall be the preferred starting device.
- 103.8.2 Preparation**—The starter shall stand within 10 feet 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 when 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, the edge of the pool or on the wall and remain there. 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 return without undue delay to the starting position (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,” the swimmers shall immediately assume their starting position with at least one foot at the front of the starting platform, the edge of the pool or on the wall. Swimmers starting in the water must have 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 independently observes and confirms the starter’s observation that a violation occurred, the swimmer or swimmers who have false started shall be disqualified upon completion of the race in accordance with article 102.15.2.
- 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, or, 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 abreast of 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 when turning or finishing the swimmer complies with the turning and finishing 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 touch of the incoming swimmer(s) and the feet of the departing swimmer(s) as they leave the starting platform, 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.

103.10.6 Infraction Signal—Either the referee or the stroke, turn or relay takeoff judge shall immediately raise one hand overhead with open palm upon observing an infraction within that judge's jurisdiction. If the official does not do so, there shall be no disqualification.

Exception: Relay takeoff judges as outlined in article 103.10.5B.

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.
- 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.

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.

- 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), and shall 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.

103.11.5 Timing Judge—Under the direction of the referee, the timing judge shall determine the official time for each swimmer as follows:

- A Receive and review the automatic and/or semiautomatic timing results from the timing equipment operator and compare primary timing results with the backup timing results to determine their validity.
- B Receive the times recorded by the head lane timers from the chief timer and use those times to the extent needed to determine the official time for each swimmer.
- C Notify the referee whenever a time obtained by the primary timing system cannot be used as the official time.
- D Record disqualifications approved by the referee. A written record of all disqualifications signed by the referee shall be given to the recorder.

103.11.6 Recorder—The recorder shall:

- A Record the official times and disqualifications.
- B Determine the official order of finish.
- C Post results, or otherwise make them available to the competitors, of each event by gender and USMS age group as promptly as possible after the completion of each event.
- D Determine the score of the meet (optional).

103.12 TIMING EQUIPMENT

103.12.1 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.

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- 103.12.2 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:
 - (1) Backup timing cameras recording a minimum of 100 images per second. The cameras must be fully integrated with the timing system.
 - (2) Semiautomatic with one, two or three buttons, each operated by a separate timer.
 - (3) Manual with one, two or three watches per lane, each operated by a separate timer.
 - C Tertiary system**—Unless the primary system consists of stopwatches or the secondary system includes at least one stopwatch per lane, a tertiary system of at least one stopwatch per lane shall be provided.
- 103.12.3 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.
- 103.12.4 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, the official time shall be determined as follows:
 - (1) If two of the three button or watch times agree, that shall be the time for that timing system.
 - (2) If all three buttons or watches disagree, the time of the intermediate button or watch shall be the time for that timing system.
 - (3) If only two button or watch times are available, the time shall be the average of those two button or watch times. The digits representing thousandths of a second shall be dropped with no rounding.
 - (4) If only one button or watch time is available, the time of that button or watch shall be the time for that timing system.
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- 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 more than .30 second.
 - (2) A late or missed touch is reported by an official observing the finish.
- D 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 order of finish. The adjustment for timing system difference may be incorporated into the automatic or semiautomatic system by design or may be determined by calculating the consistent average difference between the primary and backup systems used at that meet.
- E 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.

Table 1—Example (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, late 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).

F 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 2—Example (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 ($24.50 \div 8 = 3.0625$). The digits after hundredths are dropped (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, $52.12 + 3.06 = 55.18$).

103.13 OFFICIAL TIME

103.13.1 An official time shall be achieved in a USMS-sanctioned competition or a USMS-recognized event in accordance with all applicable rules. 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 The swimmer's relay leadoff split shall not count if the second swimmer starts in the water.

103.13.2 Official Time—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.

103.13.3 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
Semi-automatic 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 only
Semi-automatic with two buttons or two watches	<ul style="list-style-type: none"> • USMS Top 10 times

103.13.4 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.

103.13.5 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 103.13.3.

103.13.6 A backup time adjusted for system timing errors in accordance with the methods described in articles 103.12.4C–F may be used as an official time equal to the level of the timing system to which it has been adjusted.

103.13.7 Secondary and tertiary times shall be recorded but shall not be used except to corroborate or correct missing or inaccurate primary/secondary results.

103.14 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.

103.15 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

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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.

103.16 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.

103.17 RECORDER OF RECORDS

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

103.18 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.

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. 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 returned to the chair of the Championship Committee no later than 60 days prior to the annual meeting. 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, 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 1-3 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 as stipulated in the contract. Noncompliance with said conditions, as determined by the meet evaluation committee within 30 days of the receipt of the final meet report, 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 (an electronic file plus hard copy) 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 House of Delegates, members of the Championship Committee, 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 listing 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 (2010–2011)

Schedule 1	Schedule 2	Schedule 3
<i>2010 Long Course</i>	<i>2011 Short Course</i>	<i>2010 Short Course 2011 Long Course</i>
1st Day**	1st Day**	1st Day**
800/1000 free 1500/1650 free	800/1000 free 1500/1650 free	800/1000 free 1500/1650 free
2nd Day	2nd Day	2nd Day
400 IM 50 fly 200 free 100 back 200 breast 200 mixed medley relay 200 free relay	400 IM 50 fly 200 back 100 breast 50 free 200 mixed free relay	400 IM 200 free 50 breast 200 back 100 fly 200 mixed free relay
3rd Day	3rd Day	3rd Day
400/500 free (women) 200 back 50 free 100 breast 200 IM 100 fly 200 medley relay	400/500 free (women) 100 IM* 200 fly 100 back 50 breast 200 free 200 mixed medley relay 200 free relay	400/500 free (men) 200 mixed medley relay 100 breast 50 fly 200 IM 100 free 50 back 200 free relay
4th Day	4th Day	4th Day
400/500 free (men) 50 breast 100 IM* 200 fly 100 free 50 back 200 mixed free relay	400/500 free (men) 200 breast 100 fly 50 back 200 IM 100 free 200 medley relay	400/500 free (women) 100 IM* 200 fly 100 back 200 breast 50 free 200 medley relay

*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.

- 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) Full days on the schedule may be interchanged so that the 400/500 freestyle and the 1500/1650 freestyle shall not be swum on consecutive days.
 - (4) 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 approved 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**—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.

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 3000 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.

	3000–4249 ft	4250–6499 ft	6500+ 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 either the 800-meter or the 1500-meter 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. If there are any questions about club affiliation, the swimmer shall be switched to unattached status for the duration of the meet, regardless of actual affiliation. A swimmer may declare unattached status at any time.

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**—The entry form for individual events and all meet information shall be published in an official USMS publication and on the USMS website at no cost to the meet host. Short course nationals information shall be published in the January–February issue and long course nationals information shall be published in the May–June issue. The individual and relay entry forms and any Championship Committee-approved additional information the host desires shall be posted on the USMS website after the entry form and information are available.
- (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 and relay 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 USMS 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 a deck-seeded event with a time significantly slower than his/her recently recorded time, the meet director may,

after notifying 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) Willing and able competitors in the freestyle events over 200 meters may swim two-to-a-lane when only one course (seven, eight, nine, or ten lanes) is available for the event. Heats with two swimmers to a lane shall be completed before heats with a single swimmer per lane. Competitors of the same gender may be required to swim two-to-a-lane in these events if only one course is available and the meet day is projected to last longer than 12 hours. (See article 102.10.4 for principles of seeding two-to-a-lane.)
- (3) For any freestyle event 400 meters or longer, men and women may be seeded together at the discretion of the Championship Committee.
- (4) 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 102.12.3.

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.

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- 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 103.11.6C.
- 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, posted on the USMS website, and distributed, if requested, to the representative of each participating club. Hard copies shall be sent to the Executive Committee, and hard copies and electronic files shall be sent to the chair and liaison for the Championship Committee and 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 comprised 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, heard by the panel and decisions rendered no later than the last day of competition. Both the party lodging the protest and the party charged shall be afforded a chance to be heard. 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.

- 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 AND TOP 10 TIMES

- 105.1.1 Sanction/Recognition**—All times must be made in USMS sanctioned meets or recognized events.
- 105.1.2 Deadlines**—Times to be considered for records and Top 10 times must be made on or before May 31 for short course yard times, September 30 for long course meter times and December 31 for short course meter times. These times shall be forwarded to the Records and Tabulation Committee chair by June 30, October 20 and January 26, respectively.
- 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 USA Swimming.
 - B Pool certification shall be reported on the USMS Pool Length Certification Form (see Appendix B).
 - C Certification data need only be filed once unless structural changes 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 Where a moveable bulkhead is used and the initial pool length certification for all lanes is on file, course measurement of the two outside lanes and a middle lane must be confirmed at the conclusion of the session during which the time was achieved.

Note: It is recommended that the length of the course be confirmed prior to the start of the meet.

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** Recorded by fully automatic timing equipment,
- B** In an individual event other than backstroke, the request to have a split time recorded is brought in writing to the attention of the meet referee 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 in writing to the attention of the meet referee 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.

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 103.12.4), 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 306.

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, 103.12 and 103.13. 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 they meet the requirements of articles 105.2.2A to 105.2.2E.
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 for verification. Upon verification, the chair of the USMS Records and Tabulation Committee or designee shall promptly publish the new record on the USMS website.
- 105.3.9** Records set outside the United States shall be applied for on official USMS record application forms (Appendix B) and are subject to all pertinent requirements.

105.4 ALL-AMERICAN RECOGNITION

105.4.1 Individual Recognition

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 Recognition

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.

105.5 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 103.13.3 and 103.13.4).

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.

107.1.3 [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 meet 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-(25-centimeter-)wide 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. 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 between 78 and 80 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 footcandle 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 (1 foot, 8 inches square) and shall slope not more than 10 degrees from the horizontal. 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 without human aid. [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, 5 inches) for long course and short course meters, and 15 tfeet 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]

107.13.3 Marking at Midpoint of Course—For long course backstroke, individual medley and medley relay events a firmly stretched ¼-inch (7-millimeter) line without flags or pennants shall be suspended at the midpoint of the course. [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. 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 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 carry no more than 12 volts of current. [M]

107.17.2 Power Source—See article 103.12 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 103.6.7). 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 **Athlete**—The athlete (or the athlete's coach) is responsible for notifying the referee, 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 (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 102.14.2). Some of the modifications that the referee may make to accommodate the athlete 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 athlete 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.

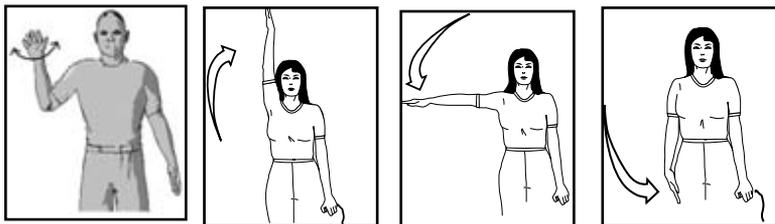


Figure 1. Standard starter's arm signals for deaf swimmers.

1. Twist hand at chin level – short whistles
2. Arm overhead -- swimmer steps onto starting block
3. Arm moves to shoulder level -- signal to "take your mark"
4. 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 2 and 3.

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

- (I)** The swimmer may start from a sitting position on the block or on the deck,

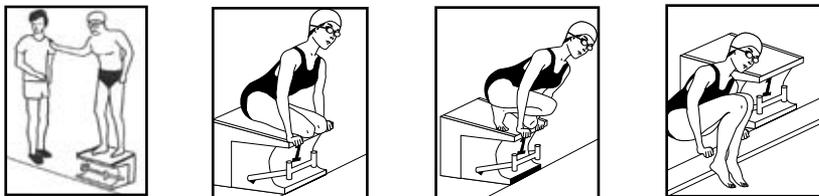


Figure 2. Modified starting positions from the block or deck.

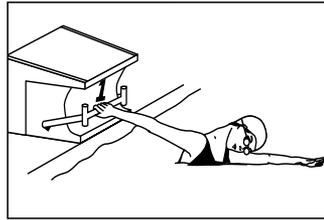
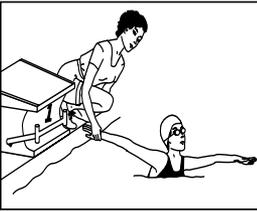


Figure 3. Modified starting position from the pool.

- (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.

PART 2: ADMINISTRATIVE REGULATIONS OF COMPETITION

ARTICLE 201: MEMBERSHIP AND REPRESENTATION

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**—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, 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 203.1. The language shall not be modified in any way.
- 201.1.5 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

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. An LMSC shall not place any restrictions on the formation of clubs.

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

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 article 203.1. 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 conjunc-

tion 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 102.15. 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 LMSC 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) Articles 101
or Article 108 | Starts, Strokes and Relays
(Swimmers with a Disability) |
| (2) Article 103.12.3 | Timing Resolution |
| (3) Articles 103.13.1,
103.13.2, 103.13.3,
103.13.4, and 103.13.6 | Official Time |
| (4) Articles 105.1, 105.2.1,
105.2.2A, 105.3.2,
105.3.7A, and 105.3.10. | Records and Top 10 Times |
| (5) Articles 107.2.1,
107.2.3A, 107.3,
107.11.1, 107.11.2, and 107.13 | Minimum Standards for Facilities |
| (6) Relay leadoff split times that conform to articles 103.13.1 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:
LIABILITY RELEASE**

203.1 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.”

203.1.1 The language of the entry release may be modified as described in article 202.1.1A(1). For open water events, the entry release shall be in accordance with article 301.3.

PART 3: OPEN WATER AND LONG DISTANCE SWIMMING RULES

ARTICLE 301: ADMINISTRATION

301.1 ORGANIZATION

301.1.1 Governing Bodies—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 MEMBERSHIP, REPRESENTATION AND SANCTIONS

Membership, representation and sanctions for open water and long distance events shall be governed by all applicable rules under articles 201, 202 and 203. In addition, the following administrative rules apply:

- 301.2.1** LMSCs are responsible for issuing open water and long distance sanctions for meets involving USMS athletes. If any meets are to be swum in more than one LMSC, the LMSC where the meet will originate will have jurisdiction in issuing the sanction. This does not prohibit the other LMSC from also issuing a sanction for the meet.
- 301.2.2** Open water and long distance meets may include both USMS and USA Swimming events, with the USMS events sanctioned by USMS and the USA Swimming events sanctioned or approved by USA Swimming. Under no circumstances shall a USMS athlete and a USA Swimming athlete be considered part of the same event, but they may swim at the same time on the same course. Athletes holding both USMS and USA Swimming memberships must declare their race affiliation, in writing, prior to the start of the event.
- 301.2.3** One-event registrants shall not be eligible for records, All-American status or any other USMS special awards.
- 301.2.4** All participants in National Championship Postal Events (as defined in article 305.2.1 F, G, and H) must be a currently registered member of USMS or a FINA-member National Governing Body. Athletes with One-Event Registrations are not eligible for National Championship Postal Events.

301.3 LIABILITY RELEASE

Entry forms shall contain the exact language of the liability release according to article 203.1. The following statement shall be added to the end of the release for all open water meets: *“Finally, I specifically acknowledge that I am aware of all the risks inherent in open water swimming and agree to assume those risks.”* 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.” The liability release must be signed by each person prior to participation.

301.4

301.4 AGE DETERMINING DATE

The eligibility of a participant for a particular age group will be determined by the age as of the day of the swim.

301.5 AGE GROUPS

Age groups in individual events for men and women shall be the same as those listed in article 102.3.1.

301.6 AWARDS

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

ARTICLE 302: EVENTS

302.1 EVENTS

Open water and long distance events shall consist of individual and/or relay competition as described in articles 302.2 through 302.6. The distances shall be the same for both men and women.

302.2 DEFINITIONS

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

302.2.2 A long distance open water event is a swimming event of any distance conducted in an open body of water, either natural or manmade.

302.3 OPEN WATER

302.3.1 **Straightaway Events**—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.

A Course measurement—If permanent fixed and stationary markers are used, a course only needs to be certified once every five years. If course has no permanent stationary markers, it must be certified by a licensed surveyor annually.

302.3.2 **Other Open Water**—The meet director shall determine the course and type of start for open water events, keeping in mind the safety of the swimmer(s). The course shall be measured as accurately as possible. The distances shall be the same for both men and women and may be contested at the same time with separate results tabulated. Age groups and other classifications may also be swum at the same time, but again tabulated separately.

302.3.3 **Solo Swims**—Solo open-water swims, consisting of one or a select number of swimmers, may be sanctioned and should conform to the rules stated under article 303.9.

302.4 POOL

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

302.4.1 **Event Director**—The event director shall have the discretion to decide the

time/distance of the event and, in the case of postal events, the size(s) of the pools in which the event is to be swum.

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

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

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

302.5 RELAY EVENTS

302.5.1 Relays are comprised of groups of swimmers entered in the individual event, except at the discretion of the Event Director. A relay event may be contested on a total time/distance or point system basis.

302.5.2 Time/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 have the lowest cumulative time or the greatest cumulative distance shall be declared the winner. A similar method will be used to determine second, third and subsequent places. In the event of a tie, the relay with an individual member who finished nearest to first place shall be declared the winner or awarded the place.

302.5.3 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 that has the swimmer who won or finished nearest to first place shall be declared the winning relay.

302.6 SEQUENTIAL RELAY EVENTS

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 as soon as practical after the completion of the previous swimmer's leg. In the exchange in open water events, physical contact must be made between the two swimmers. In pool events, the exchange is governed by articles 101.7.3C and 101.7.3H. The event director, with the concurrence of the chair of the Long Distance Committee, may allow special events in which members of an open water relay need not be from the same club.

ARTICLE 303: CONDUCT OF OPEN WATER EVENTS

303.1 SAFETY STANDARDS

As conditions and courses vary, it is the responsibility of each swimmer to know and follow the safety standards necessary for protection from foreseeable dangers. The meet director can assist this endeavor by:

303.1.1 Obtaining necessary permits/approvals from the U.S. Coast Guard, park authorities, lifeguard associations, etc.

303.1

- 303.1.2 Providing accurate maps with course descriptions, course markings, and other pertinent information, including but not limited to anticipated water temperature and general water conditions, with entry forms and meet information packets.
- 303.1.3 Planning for possible medical evacuations.
- 303.1.4 Assigning rescue/aid personnel and craft.
- 303.1.5 Planning for escort paddlers or craft. Personal escorts should be considered for open water swims.
- 303.1.6 Making provisions for controlling escort craft and access of non-race craft into the race area.
- 303.1.7 Briefing all contestants, coaches, managers, trainers and meet officials.
- 303.1.8 Planning for possible cancellation, postponement and/or modification of the meet.
- 303.1.9 Considering use of fluorescent or brightly colored caps to assist in identification and visibility of swimmers in open water events.
- 303.1.10 Informing swimmers of the anticipated water temperature, specific weather and water conditions, and known hazards.

Note: LMSCs are encouraged to use USMS safety guidelines and precautions for the conduct of open water and long distance events, as well as develop their own, provided they are not in conflict with USMS rules, policies or procedures. Visit <http://www.usms.org/longdist/safety.pdf>.

303.2 ESCORTED SWIMS

- 303.2.1 In any event for which it has been arranged that an escort craft or paddler will accompany each swimmer throughout the event, all swimmers shall be accompanied by such an escort paddler or craft. If the escort paddler or craft becomes disabled or cannot continue to accompany the swimmer, the swimmer must either stay in the water next to the escort craft until a replacement arrives, or exit the water.
- 303.2.2 If a swimmer's escort becomes disabled as per article 303.2.1, an escort for another swimmer may assume responsibility for the swimmer with the disabled escort, subject to the following conditions:
 - A Any one paddler or craft may escort no more than two swimmers.
 - B The two swimmers must stay within 5 meters of each other. Failure to stay within 5 meters shall result in immediate disqualification of the second swimmer assigned to the escort and the immediate removal of that person from the water.
- 303.2.3 Swimmers may receive the following assistance from the escort craft:
 - A Food or drink may be passed from escort to swimmer as long as contact is not made between the two.
 - B The escort may also assist the swimmer with navigation, including verbal and written communication.
- 303.2.4 Swimmers shall not be assisted by escort craft as follows:
 - A Swimmers shall not receive flotation or propulsion from any escort craft nor make intentional contact with any craft.

-
- B Drafting (swimmer swimming directly behind the escort) shall not be permitted when other open water is readily available.
 - C Escort boats shall not obstruct other swimmers in the race.

303.3 STARTS

303.3.1 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.

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

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

303.4 SEEDING

303.4.1 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 meet director, as stated in the meet entry sheet.

303.4.2 Separate starts are preferable in straightaway events. The swimmers shall be seeded in order of time, with the fastest swimmer receiving the preferred position. If subsequent rows are needed, they will be seeded in a similar method

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

303.5 FINISHES

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

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

303.5.3 **Straightaway**—An in-the-water finish shall be used in straightaway events.

303.5.4 **Electronic Timing/Incorporating Chip Timing**—In open water races in which the event director provides electronic timing/chip timing, an operating backup timing system is required.

303.6 SWIMWEAR

303.6.1 Swimwear shall be the same as defined in articles [102.14.3](#) and [102.14.7](#). Goggles, ear plugs, watches, and grease shall be allowed. The suit shall be made of a porous material.

303.6.2 Swim cap(s), including those made of neoprene, may be permitted. Swim

303.6

caps shall be defined as head gear conforming to a traditional swim cap design and shall not extend to protect the neck or shoulders.

303.6.3 Wetsuits may be allowed at the discretion of the event director when the water temperature does not exceed 78°F. If awards are given to wetsuit competitors, they shall be awarded separately from those for non-wetsuit competitors. Any published results or records must clearly indicate which swimmers wore wetsuits.

303.6.4 Devices used to maintain body heat are illegal, except for those listed in articles 303.6.1, 303.6.2 and 303.6.3.

303.6.5 Flotation or propulsive devices are not permitted, apart from those listed in articles 303.6.2 and 303.6.3, except in designated events where all swimmers are using similar devices.

303.6.6 A wrist watch may be worn in open water competition.

303.7 OFFICIALS

303.7.1 There shall be a meet 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.

303.7.2 The clerk of course shall ensure that all entrants in open water events are visibly marked with their entrant numbers.

303.7.3 Official craft shall be placed in a position in open water events to best observe yet not physically hinder the swimmers.

303.8 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:

303.8.1 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.

303.8.2 Fail to complete the prescribed distance or course within the preannounced time.

303.8.3 Fail to follow race rules.

303.8.4 Receive assistance by pulling on the cable or buoys at the turn or on the course.

303.8.5 Violate rules on escorted swims as described in articles 303.2.3 and 303.2.4 or receive similar assistance from any craft on the course.

303.8.6 Receive unauthorized assistance at the start or finish.

303.8.7 Violate swimwear rules.

303.8.8 Draft off another swimmer in long-distance pool events.

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

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

303.9 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 at-

tempting to swim, only one sanction need be issued. All times achieved in solo open water swims should be duly certified and made a matter of record by the sanctioning LMSC. The certification should include:

- 303.9.1** Each swimmer's name, age, gender and membership number.
 - 303.9.2** Governing body sanctioning the meet.
 - 303.9.3** Course: to include the name of the body of water, the starting and finishing points, and the measured distance.
 - 303.9.4** Verification and documentation that all rules were observed and the swimmer(s) either completed or failed to complete or attain the distance.
- 303.10 INCOMPLETE RACE**
- 303.10.1** 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.
 - 303.10.2** 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, then article 303.8.2 may be waived and the order of finish of the swimmers on the course shall be determined by the referee.

ARTICLE 304: CONDUCT OF POSTAL EVENTS

304.1 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 304.

304.2 POOL SIZE

- 304.2.1** Events shall be swum in a pool at least 25 yards in length.
- 304.2.2** Requirements for pool certification (article 105.1.6) and pool measurement (article 105.1.7) shall not apply to postal events.

304.3 OFFICIALS

- 304.3.1** There shall be at least one adult acting in the capacity of a starter/timer/referee who shall be present at all times, having no other responsibilities during the period of the swim.
- 304.3.2** Each swimmer shall have a counter to record split times for every two lengths during the swim for both time-based and distance-based events. One person may serve as a counter for a maximum of two swimmers per heat.

304.4 MULTIPLE SWIMMERS PER LANE

- 304.4.1** In pools that are less than 50 meters, no more than two swimmers shall share a lane.
- 304.4.2** Drafting shall not be permitted.
- 304.4.3** When two swimmers are sharing the same lane, they shall conform to articles 102.10.4A(6)(a) and 102.10.4A(6)(b).
- 304.4.4** 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.

304.5

304.5 TIMING

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

304.5.2 Cumulative splits must be recorded to the nearest second.

304.6 COMPUTING DISTANCES IN TIME-BASED EVENTS

304.6.1 Distances shall be computed by multiplying the total lengths swum by the length of the pool and adding the last completed 5-yard/meter increment.

304.6.2 If the size of the pool is not designated, all distances shall be reported in yards.

304.6.3 If distances are to be reported in yards and the event is swum in a metric pool, the distances shall be determined in meters and 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.

304.7 INTEGRITY OF RESULTS IN POSTAL EVENTS

304.7.1 Each entrant in a postal event shall be responsible for the validity of the figures and the time/distance submitted.

304.7.2 The meet director shall have the discretion to request additional verification of completion from any entrant and may refuse to accept any entry that appears to contain erroneous information.

304.8 DETERMINATION OF PLACE

304.8.1 In distance-based events, the person swimming the fastest time shall be declared the winner.

304.8.2 In time-based events, the person swimming the farthest shall be declared the winner.

304.8.3 If two or more swimmers swim the same distance or achieve the same time, a tie shall be declared.

ARTICLE 305: NATIONAL OPEN WATER AND LONG DISTANCE CHAMPIONSHIP

305.1 RULES

Open water and long distance championship events shall be governed by articles 301, 302, 303, 304 and 306. In addition, the following rules apply specifically to championships.

305.2 EVENTS

305.2.1 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** Quarter-mile straightaway (2 miles)
- 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)
- F** Postal one hour (in a pool 25 yards or longer)

- G Postal 5 and 10 kilometer (each event swum separately in a 50-meter pool)
- H Postal 3000 and 6000 yard (each event swum separately in a 25-yard pool)
- I Other national championship events and distances may be awarded at the discretion of the Long Distance Chair.

305.2.2 Rules Pertaining To Cumulative Relays Events

- A Relay competitions shall be contested in postal championships and may be contested in other championships. Recognized relays shall be three-person men and women relays and four-person mixed-gender relays.
- B Age groups for relay events shall be the same as those listed in article 102.3.2A.
- C All team members shall be from the same USMS-registered club.
- D All relay members shall also be entered in the individual event, except at the discretion of the event director.
- E Relays shall be men, women and mixed-gender.
- F Competitors shall be allowed to swim in only one same-gender and one mixed-gender relay event per meet.
- G The age of the youngest relay member determines the age group of the relay: 18+, 25+, 35+... 95+.
- H 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.
- I Mixed-gender relays may be entered, provided 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

305.2.3 Relay events (as defined in article 302.5).

- A Relay competitions shall be contested in postal championships and may be contested in other championships. Recognized relays shall be three-person men and women relays and four-person mixed-gender relays.
- B Age groups for relay events shall be the same as those listed in article 102.3.2A.

305.3 SITE SELECTION

- 305.3.1 Bids shall be due, in writing, to the Long Distance Committee chair no later than 30 days prior to the annual meeting.

305.3

305.3.2 Championships shall be awarded by the Long Distance Committee at the annual meeting held approximately two years prior to the championship being awarded.

305.3.3 Events not awarded at the annual meeting may be awarded by the Long Distance Committee chair.

305.3.4 Suitable bids shall comply with all applicable USMS swimming and Open Water and Long Distance rules, policies and procedures.

305.3.5 A three-area award system shall be followed for the bidding of non-postal Open Water and Long Distance championships. (See Figure 4 for map and description of areas.)

Suitable bids from a qualifying area shall receive preference over bids from other areas. Postal national championships may be awarded to an organization for two consecutive years and will be awarded without regard to area. (See Appendix D for description of areas and map.)

NATIONAL CHAMPIONSHIP BID ROTATION			
Year	Area 1 West	Area 2 Central	Area 3 East
2010	Open water $1 > 1 \leq 3$ mile	2 mile cable Open water ≥ 6 mile	1 mile Open water $> 3 / < 6$ mile
2011	1 mile Open water $> 3 / < 6$ mile	Open water $> 1 / \leq 3$ mile	2 mile cable Open water ≥ 6 mile
2012	2 mile cable Open water ≥ 6 mile	1 mile Open water $> 3 / < 6$ mile	Open water $> 1 \leq 3$ mile

305.4 CONTRACT

A representative of the sponsoring organization which 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 meet host and of USMS Inc.

305.5 FINANCIAL

305.5.1 The sponsoring organization shall agree to underwrite the full meet expenses, including but not limited to the following:

- A** Costs associated with the meet (setting up the course, supplies, equipment, etc.).
- B** Cost of all national championship meet awards (medals and patches) and/or other appropriate awards.
- C** A fee of \$1 per individual entrant in the meet and a performance bond of \$200 shall be paid to USMS. All or a portion of the \$200 performance bond shall be returned to the sponsoring organization, based upon compliance with the conditions set forth in the meet contract.
- D** Any other costs that may be reflected in national championship meet contracts.

305.5.2 Complete financial statements shall be forwarded to the Long Distance

Committee chair after completion of the event in accordance with the championship forms provided.

305.6 ENTRY FEES

The entry fees for Open Water and Long Distance national championships shall not exceed \$30 for individual events and \$5 per team member in team events. Exceptions may be made to the fee limit at the discretion of the Long Distance Committee.

305.7 RULES OF CONDUCT

305.7.1 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.

305.7.2 Entry Forms—Entry forms shall be reviewed by the Long Distance Committee chair and the LMSC for content and sanctioning prior to distribution in accordance with the USMS contract.

305.7.3 Officials—In addition to the officials required by article 303.7, the following officials are required for national championship events:

A The Long Distance Committee shall appoint a meet evaluator to aid the meet director, to ensure that the event is conducted in accordance with the contract and to ensure that all rules are observed.

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.

305.7.4 Swimwear—Swimwear regulations for national championships shall be the same as those for non-national championships, as stated in article 303.6.

305.7.5 Wetsuits—Wetsuit competitors shall be excluded for the purposes of articles 305.8 through 306.1. In addition, wetsuit competitors shall have a separate start time.

305.7.6 Assistance During the Race

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

B Paddlers and escort boats may be permitted by the meet director.

305.7.7 Protests—Any protest arising from a competition shall be made to the meet 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 final adjudication to the Long Distance chair, whose decision shall then be binding on all parties.

305.8 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 meet.

USMS registration numbers and date of birth shall not be included in published results or results distributed to participants.

305.8.1 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 team abbreviation)
- E** Official time/distance
- F** Special information (national records, overall place, place among men, etc.)

305.8.2 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 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.

305.9 CLUB SCORING

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

305.9.1 Scoring

- A** Club scoring for the one-hour swim shall be based on total club yardage for individual swims.
- B** Club point scoring for the 3000/6000 yard and 5K/10K postal national championships may be calculated based on a predetermined formula, approved by the Long Distance Committee, to fit the age group national record times for each gender. A preformatted spreadsheet containing this formula will be supplied to the meet directors.
- C** Club scoring for the other national championships shall be point value for placing in individual swims. Points shall be determined as if the meet were swum in a 10-lane pool (11-9-8-7-6-5-4-3-2-1).

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

305.9.3 Divisions—Up to four divisions may be recognized for purposes of club scoring based on the number of swimmers entered in the meet from each

club. 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 meet director after the meet entry deadline.

305.10 AWARDS

- 305.10.1** 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.
- 305.10.2** 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 team championships in each age group.
- 305.10.3** A USMS championship patch shall be awarded to each individual champion and each scoring member of a championship team. An individual shall receive only one patch per meet.
- 305.10.4** Appropriate awards approved by the Long Distance Committee chair shall be awarded to the first, second and third place club winners in each division.

305.11 ALL-AMERICAN RECOGNITION

- 305.11.1** The highest ranking USMS member in each age group of each individual national Open Water and Long Distance Championship event shall qualify as a USMS Long Distance All-American for the calendar year in which the event was conducted.
- 305.11.2** The members of the highest ranking USMS team in each age group of each national Open Water and Long Distance Championship event shall qualify as USMS Long Distance Team All-Americans.
- 305.11.3** The event director shall submit the name, age, 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 meet contract.

305.12 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.

- 305.12.1** 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.
- 305.12.2** 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.
- 305.12.3** 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.
- 305.12.4** Ties shall be allowed.

**ARTICLE 306:
RECORDS**

306.1 RECORDS

- 306.1.1** Individual national records will be maintained in quarter-mile straightaway events (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 long-distance pool events. The records shall be for three-person men and women teams and four-person mixed teams.
- 306.1.2** Record times shall be swum in a sanctioned meet and shall be routed through the meet host to the Long Distance Committee chair.
- 306.1.3** With the exception of the quarter-mile straightaway events specified in article 305.2.1, no national records will be maintained in open water events because of differences in courses, currents and other physical factors.
- 306.1.4** Open Water and Long Distance records shall only be permitted from events conducted in compliance with articles 305.7.3B and 305.7.5 of the USMS rule book.
- 306.1.5** 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.
- 306.1.6** Long distance national records 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, and
 - C** The intent to record a split time is brought to the attention, in writing, of the event host at the time of entry in the longer event.
 - D** At least two dedicated handheld watches are used to record the record split.
- 306.1.7** Split times from individual postal events may not be used as part of a relay entry into a separate relay postal event of a shorter distance or for entry into a separate individual postal event of a shorter distance.

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

402.4.7 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 administrator.

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 administrator 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.

In Memoriam

Jack Bertram (Pacific)

Abrasha Brainin (Florida)

Victoria Chidester (Colorado)

Jesse Coon (South Texas)

John Cox (Florida)

Mickey Eaton (Wisconsin)

Raymond Edelhoff (Maryland)

Richard Harley (Pacific)

David Harrison (Delaware Valley)

Ron Johnson (Arizona)

Rob Lavanture (Florida)

Don McKenzie (Pacific)

Patrick Moore (Southern Pacific)

Jan Morrow (Kentucky)

Austin Newman (New Jersey)

Dorothy Riordan (Kentucky)

Perry Rockwell (Wisconsin)

Paula Smart (Southern Pacific)

Petey Smith (New England)

Sara Snoek (Pacific)

Lynn Surles (Wisconsin)

Ellen Tait (Pacific)

Frank Tillotson (Florida)

George Viguie (Pacific)

Dottie Whitcomb (Southeastern)

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 administrator 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 administrator 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.

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

504.1

Office for the previous year or June 15 of the current year, whichever is the greater.

- 504.1.2 All voting members of the Board of Directors.
- 504.1.3 All past presidents.
- 504.1.4 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.
- 504.1.5 Nonvoting delegates from affiliate and allied members.
- 504.1.6 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.
- 504.1.7 The president shall be empowered to appoint employees and contractors who are otherwise active in Masters swimming as members of the House of Delegates as needed for the benefit of the corporation.
- 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 government of USMS.
- 504.2.6 To impose and enforce penalties for any violation of the code of USMS.
- 504.2.7 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.
- 504.2.8 To collect and expend the monies of USMS.
- 504.2.9 To create, modify or disband standing committees.
- 504.2.10 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.
- 504.2.11 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 mailing the same 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 re-election 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 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 re-election 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, 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 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 mid-year). 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.

506.8 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 com-

mittee 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.

507.1.4 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.

507.1.5 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.

507.1.6 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: Athlete’s Rights, 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.

507.1.7 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 BOD 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.

507.1.8 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.

507.1.9 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.

507.1.10 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 work with the Executive Director to identify opportunities to promote USMS through open water swimming. 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.

507.1.11 Recognition and Awards Committee—The Recognition and Awards Committee shall review and approve proposals for all official USMS awards and maintain a history of award recipients. The committee shall consist of the committee chair and 16 or more members with at least eight Ransom J. Arthur award recipients and additional members to include one member from each of the following committees: Coaches Committee, Open Water and Long Distance Committee, Records and Tabulation Committee, and the History and Archives Committee.

507.12 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 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.

507.1.13 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.

507.1.14 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, interpretations, 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 & Regulations Committee chair shall be ex officio members of the committee.

507.1.15 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 USAS 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.

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.		

APPENDIX A: RECORDS

Category	Current as of
USMS Short Course Yards	May 31, 2009
USMS Short Course Meters	November 1, 2009
USMS Long Course Meters	September 15, 2009
World Short Course Meters	November 1, 2009
World Long Course Meters	November 1, 2009
USMS Open Water and Long Distance	November 1, 2009

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

Marcia Cleveland
915 Pine Tree Lane
Winnetka, IL 60093
longdistance@usms.org

Women 18-24	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	L. Kiyama	05-08-09	23.78	M. Gill	10-11-09	26.34		K. Denby	07-26-09		26.22
100 Free	J. Foschi	11-20-03	50.67	A. Terry	12-14-97	57.86		K. Denby	07-25-09	58.47	
200 Free	R. Komisarz	03-04-01	1:50.98	D. Heckman	12-09-01	2:06.21		J. Foschi	08-17-03	2:03.06	
400/500 Free	J. Foschi	10-25-03	4:49.97	D. Heckman	12-09-01	4:25.13		J. Stowers	07-05-03	4:16.72	
800/1000 Free	S. Schweitzer	03-11-00	10:29.13	D. Heckman	12-09-01	8:58.71		S. Schweitzer	06-10-00	9:28.19	
1500/1650 Free	K. Burton	--87	17:31.70	D. Heckman	11-11-01	17:15.23		S. Bauscher	08-20-00	18:13.47	
50 Back	J. Tong	04-19-98	26.47	P. Francis	12-10-00	29.69		T. Smith	06-03-90	31.55	
100 Back	S. Schweitzer	04-30-00	55.98	H. Chura	12-15-07	1:06.52		S. Schweitzer	08-20-00	1:04.87	
200 Back	S. Schweitzer	04-30-00	1:59.22	N. Wunderlich	12-10-95	2:22.61		S. Schweitzer	08-20-00	2:19.70	
50 Breast	A. Davies	04-25-04	29.69	B. Kaszuba	12-10-95	32.09		E. Nelson	08-20-95	33.66	
100 Breast	R. Manns	05-18-03	1:02.86	B. Kaszuba	12-10-95	1:08.89		E. Nelson	08-20-95	1:13.62	
200 Breast	R. Manns	05-18-03	2:14.90	A. Nail	11-02-97	2:38.63		M. Clapp	07-19-09	2:36.61	
50 Fly	J. Brooks	04-30-00	25.46	J. Raab	11-06-94	28.84		M. Gill	07-12-09	28.62	
100 Fly	L. Davis	04-13-08	55.63	L. Davis	10-21-07	1:03.67		L. Davis	06-29-08	1:01.04	
200 Fly	R. Komisarz	03-04-01	2:02.28	L. Davis	10-21-07	2:00.03		L. Davis	07-02-08	2:12.75	
100 I.M.	L. Davis	04-13-08	58.34	B. Kaszuba	12-10-95	1:05.34		L. Davis	07-01-08	2:16.06	
200 I.M.	S. Schweitzer	04-30-00	2:05.30	L. Davis	10-21-07	2:24.25		J. Iverson	08-06-09	5:09.90	
400 I.M.	S. Schweitzer	04-30-00	4:18.37	D. Heckman	12-09-01	4:58.55					

Women 25-29	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World	
50 Free	P. Martin	04-24-05	23.16	H. Hageman	11-02-97	26.63	JPN	25.42	S. Shand	08-18-91	26.68	NED
100 Free	L. Johncke	03-16-03	50.80	S. Taormina	03-31-96	56.30	USA	56.30	S. Taormina	03-18-95	57.76	GBR
200 Free	L. Liu	05-20-01	1:48.80	S. Taormina	03-31-96	1:59.78	USA	1:59.78	S. Taormina	12-02-95	2:06.81	JPN
400/500 Free	S. Taormina	01-03-96	4:49.88	S. Taormina	03-31-96	4:24.18	USA	4:24.18	S. Taormina	12-02-95	4:13.03	USA
800/1000 Free	L. Hazen	03-19-94	10:12.34	S. Taormina	03-31-96	8:51.18	USA	8:51.18	R. Komisarz	07-19-01	8:47.44	GBR
1500/1650 Free	K. Burton	05-19-91	16:50.17	S. Taormina	03-31-96	16:36.07	USA	16:36.07	R. Komisarz	07-19-01	16:39.77	GBR
50 Back	M. Edwards	05-16-99	25.98	C. Johansson	10-27-02	30.05	NOR	28.80	D. Graner	08-20-89	30.80	JPN
100 Back	M. Edwards	05-16-99	56.28	C. Johansson	10-27-02	1:03.26	JPN	1:02.32	P. Hanson	06-26-05	1:07.13	JPN
200 Back	P. Hanson	05-22-05	2:00.57	L. Oberstar	11-17-01	2:14.77	JPN	2:12.84	D. Graner	08-20-89	2:19.97	JPN
50 Breast	L. Holt	05-04-08	29.46	T. Miranda	12-10-95	32.20	GER	32.64	P. Martin	08-28-05	33.60	ITA
100 Breast	K. Beckman	05-10-09	1:03.80	W. Hansen	12-12-98	1:13.30	JPN	1:10.55	L. Glass	08-06-09	1:15.22	JPN
200 Breast	A. Packard	04-21-02	2:17.94	A. Packard	12-09-01	2:35.66	JPN	2:31.18	R. Bruch	08-20-00	2:45.04	JPN
50 Fly	N. Rolland	04-25-04	24.46	S. Taormina	03-31-96	28.68	CAN	27.88	J. Brooks	08-03-03	28.19	FIN
100 Fly	L. Liu	05-20-01	54.03	S. Taormina	03-31-96	1:01.33	USA	1:01.33	R. Komisarz	07-19-01	1:01.04	USA
200 Fly	L. Liu	05-20-01	1:57.84	C. Miller	02-17-02	2:23.60	AUS	2:17.13	S. Taormina	12-17-95	2:17.51	AUS
100 I.M.	L. Liu	05-20-01	56.76	W. Hansen	12-12-98	1:05.67	JPN	1:03.67				
200 I.M.	A. Wegner	02-11-06	2:03.94	W. Hansen	12-12-98	2:21.79	JPN	2:17.17	A. Wegner	08-15-05	2:21.98	JPN
400 I.M.	K. Harris	05-22-05	4:21.52	W. Hansen	12-13-98	5:02.54	JPN	4:52.13	S. Shand	07-30-89	5:06.34	JPN

Women 30-34	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	E. Erndl	03-11-09	22.70	K. Radtke	10-24-04	25.98	JPN	E. Erndl	08-08-09	25.57	USA
100 Free	E. Erndl	12-06-08	49.07	S. Neilson-Bell	05-18-86	57.35	FRA	E. Erndl	08-05-09	54.59	USA
200 Free	K. Radtke	05-18-03	1:51.40	K. Pipes-Neilsen	12-15-96	2:04.64	JPN	E. Erndl	08-07-09	1:58.92	JPN
400/500 Free	K. Pipes-Neilsen	05-12-96	4:59.08	K. Pipes-Neilsen	12-01-96	4:22.70	JPN	K. Pipes-Neilsen	08-11-96	4:28.76	JPN
800/1000 Free	L. Hazen	03-13-99	10:16.36	E. Hansen	12-07-03	9:06.49	JPN	H. George	05-29-09	9:07.46	NZL
1500/1650 Free	K. Burton	05-23-93	17:07.52	K. Burton	12-11-94	17:23.60	NZL	H. George	05-29-09	17:11.25	USA
50 Back	N. Inada	03-15-09	25.32	N. Inada	11-15-08	29.32	JPN	N. Inada	08-16-08	29.15	JPN
100 Back	N. Inada	03-15-09	55.50	N. Inada	11-16-08	1:02.42	JPN	N. Inada	08-17-08	1:02.83	USA
200 Back	K. Pipes-Neilsen	02-19-96	1:59.93	L. Oberstar-Brown	11-22-08	2:12.47	USA	S. Metzger	08-06-09	2:17.61	USA
50 Breast	K. McClelland	05-04-08	28.48	W. Hansen	12-10-00	32.82	USA	K. McClelland	08-15-08	32.42	JPN
100 Breast	K. McClelland	05-04-08	1:02.08	W. Hansen	12-10-00	1:10.00	JPN	K. McClelland	08-16-08	1:13.29	JPN
200 Breast	W. Hansen	04-30-00	2:17.34	W. Hansen	12-10-00	2:30.65	JPN	W. Hansen	08-23-99	2:41.51	JPN
50 Fly	A. Martino	04-15-00	24.18	K. Radtke	10-24-04	28.05	DEN	M. Moravcova	06-07-08	27.48	USA
100 Fly	A. Martino	05-16-99	55.01	W. Hansen	12-10-00	1:02.70	DEN	M. Moravcova	06-07-08	58.81	USA
200 Fly	K. Pipes-Neilsen	05-12-96	2:03.46	K. Radtke	10-05-03	2:19.34	JPN	K. Pipes-Neilsen	08-11-96	2:20.12	DEN
100 I.M.	E. Erndl	03-11-09	1:58.80	K. Pipes-Neilsen	12-07-96	2:18.79	JPN	E. Erndl	08-08-09	2:13.72	USA
400 I.M.	K. Pipes	05-21-95	4:25.68	K. Pipes-Neilsen	12-15-96	4:53.85	JPN	E. Erndl	06-29-08	4:47.06	JPN

Women 35-39	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	D. Torres	02-25-07	22.34	D. Torres	12-03-06	25.10	USA	D. Torres	08-08-06	25.98	USA
100 Free	D. Torres	02-25-07	49.72	D. Torres	12-03-06	54.95	USA	S. Neilson-Bell	07-02-95	58.87	USA
200 Free	K. Pipes-Neilsen	05-03-97	1:51.55	K. Pipes-Neilsen	12-14-97	2:03.56	USA	K. Pipes-Neilsen	08-15-98	2:06.62	USA
400/500 Free	K. Pipes-Neilsen	05-03-97	4:56.09	K. Pipes-Neilsen	12-12-99	4:22.56	USA	K. Pipes-Neilsen	08-10-97	4:26.17	USA
800/1000 Free	K. Pipes-Neilsen	02-16-99	10:22.60	A. Zamanian	10-15-06	9:12.97	USA	S. Taominia	08-04-06	9:11.15	NZL
1500/1650 Free	K. Pipes-Neilsen	05-04-97	17:13.99	L. Hug	12-10-00	17:27.84	USA	K. Pipes-Neilsen	08-13-00	17:46.58	NZL
50 Back	S. Hart	04-05-09	26.17	S. Hart	12-07-08	29.25	BRA	S. Hart	08-10-06	30.40	USA
100 Back	S. Hart	04-04-09	56.32	S. Hart	11-15-08	1:02.44	USA	K. Pipes-Neilsen	08-01-97	1:05.41	USA
200 Back	K. Pipes-Neilsen	03-14-98	2:00.54	K. Pipes-Neilsen	12-14-97	2:14.10	USA	K. Pipes-Neilsen	08-10-97	2:18.20	USA
50 Breast	S. Von Der Lippe	05-22-05	29.94	C. Krattli	12-10-00	33.03	USA	C. Krattli	08-18-01	33.91	GER
100 Breast	S. Von Der Lippe	04-25-04	1:04.25	C. Krattli	12-10-00	1:11.97	USA	C. Krattli	08-17-01	1:13.81	USA
200 Breast	C. Krattli	01-27-02	2:19.66	C. Krattli	12-10-00	2:36.04	BRA	C. Krattli	08-19-01	2:41.76	USA
50 Fly	S. Von Der Lippe	05-18-03	25.57	T. Moll	12-02-01	28.68	BRA	T. Moll	08-23-99	28.32	AUS
100 Fly	S. Von Der Lippe	05-18-03	55.78	K. Pipes-Neilsen	12-14-97	1:03.29	CAN	T. Moll	08-23-99	1:03.79	AUS
200 Fly	S. Von Der Lippe	05-22-05	2:03.48	K. Pipes-Neilsen	12-14-97	2:18.41	USA	K. Pipes-Neilsen	08-10-97	2:20.21	USA
100 I.M.	S. Von Der Lippe	04-25-04	58.31	K. Pipes-Neilsen	12-10-00	1:05.40	USA	K. Pipes-Neilsen	07-19-97	2:22.42	USA
200 I.M.	K. Pipes-Neilsen	03-14-98	2:05.24	K. Pipes-Neilsen	12-10-00	2:19.08	USA	K. Pipes-Neilsen	08-15-98	5:02.67	USA
400 I.M.	K. Pipes-Neilsen	03-14-98	4:24.18	K. Pipes-Neilsen	12-14-97	4:52.85	USA	K. Pipes-Neilsen			



Women 40-44	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	D. Torres	04-15-07	21.91	S. Neilson-Bell	12-07-96	26.66	SWE	D. Torres	07-06-08	24.25	RSA
100 Free	D. Torres	04-15-07	48.34	S. Von Der Lippe	11-16-08	57.55	USA	D. Torres	07-04-08	53.78	USA
200 Free	K. Pipes-Neilsen	12-22-02	1:51.06	K. Pipes-Neilsen	12-14-03	2:05.26	USA	K. Pipes-Neilsen	05-25-03	2:09.00	USA
400/500 Free	K. Pipes-Neilsen	10-05-02	4:58.98	K. Pipes-Neilsen	12-14-03	4:21.75	USA	K. Pipes-Neilsen	08-11-02	4:28.24	USA
800/1000 Free	K. Pipes-Neilsen	12-21-03	10:20.45	K. Pipes-Neilsen	06-20-03	9:09.71	USA	K. Pipes-Neilsen	06-29-03	9:21.75	USA
1500/1650 Free	K. Pipes-Neilsen	12-07-02	17:15.20	K. Pipes-Neilsen	12-07-03	17:45.50	CAN	K. Pipes-Neilsen	08-11-03	17:56.52	USA
50 Back	V. Jenkins	05-04-08	27.12	K. Gary	12-06-08	30.74	CAN	J. Smith	08-09-09	31.63	CAN
100 Back	K. Pipes-Neilsen	05-18-03	57.15	K. Pipes-Neilsen	06-16-02	1:05.43	CAN	J. Smith	08-07-09	1:07.21	CAN
200 Back	K. Pipes-Neilsen	05-18-03	2:04.55	K. Pipes-Neilsen	12-14-03	2:19.09	USA	J. Smith	08-06-09	2:23.18	USA
50 Breast	S. Von Der Lippe	05-14-06	29.55	S. Von Der Lippe	12-02-07	32.93	USA	S. Von Der Lippe	07-23-06	33.25	USA
100 Breast	S. Von Der Lippe	05-04-08	1:03.00	S. Von Der Lippe	12-02-07	1:10.55	USA	S. Von Der Lippe	06-30-08	1:12.12	USA
200 Breast	S. Von Der Lippe	05-14-06	2:17.06	S. Von Der Lippe	11-16-08	2:32.37	USA	S. Von Der Lippe	08-09-06	2:38.44	USA
50 Fly	S. Von Der Lippe	05-10-09	25.14	S. Von Der Lippe	11-11-05	28.21	USA	S. Von Der Lippe	05-25-09	28.52	USA
100 Fly	S. Von Der Lippe	05-10-09	54.83	S. Von Der Lippe	11-15-08	1:02.13	USA	S. Von Der Lippe	06-29-08	1:02.47	USA
200 Fly	S. Von Der Lippe	05-04-08	2:03.13	S. Von Der Lippe	11-19-06	2:20.66	USA	K. Pipes-Neilsen	08-17-03	2:24.77	USA
100 I.M.	S. Von Der Lippe	05-14-06	58.20	S. Von Der Lippe	11-16-08	1:04.25	USA	S. Von Der Lippe	08-05-07	2:25.03	USA
200 I.M.	S. Von Der Lippe	05-04-08	2:04.85	S. Von Der Lippe	12-02-07	2:19.21	USA	K. Pipes-Neilsen	08-01-04	5:09.83	USA
400 I.M.	S. Von Der Lippe	05-04-08	4:28.43	K. Pipes-Neilsen	11-24-02	5:00.82	USA				

Women 45-49	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	S. Walsh	05-04-08	24.00	K. Pipes-Neilsen	12-02-07	27.09	USA	S. Walsh	08-13-07	27.44	USA
100 Free	K. Pipes-Neilsen	12-16-07	52.23	K. Pipes-Neilsen	12-02-07	58.61	USA	K. Pipes-Neilsen	08-05-07	59.79	USA
200 Free	K. Pipes-Neilsen	12-16-07	1:53.28	K. Pipes-Neilsen	12-02-07	2:05.94	USA	K. Pipes-Neilsen	06-13-09	2:10.09	USA
400/500 Free	K. Pipes-Neilsen	04-11-09	5:04.13	K. Pipes-Neilsen	05-16-09	4:25.34	USA	K. Pipes-Neilsen	09-06-08	4:35.84	USA
800/1000 Free	K. Pipes-Neilsen	04-19-09	10:32.91	K. Pipes-Neilsen	05-15-09	9:11.37	USA	K. Pipes-Neilsen	08-05-07	9:24.11	USA
1500/1650 Free	K. Pipes-Neilsen	12-21-07	17:49.73	S. Heim-Bowen	10-10-04	17:50.64	CAN	S. Heim-Bowen	08-17-03	17:55.83	USA
50 Back	K. Pipes-Neilsen	12-21-08	27.35	K. Pipes-Neilsen	12-02-07	30.58	FRA	V. Jenkins	08-17-08	31.71	USA
100 Back	K. Pipes-Neilsen	12-20-08	58.29	K. Pipes-Neilsen	05-16-09	1:04.79	FRA	K. Pipes-Neilsen	05-24-09	1:08.11	USA
200 Back	K. Pipes-Neilsen	04-19-09	2:04.65	K. Pipes-Neilsen	05-15-09	2:18.95	FRA	K. Pipes-Neilsen	05-22-09	2:26.06	USA
50 Breast	C. Krattli	05-20-07	30.17	C. Krattli	06-10-07	33.94	USA	C. Krattli	08-05-07	33.98	USA
100 Breast	C. Krattli	05-20-07	1:06.01	C. Krattli	10-07-07	1:13.38	USA	C. Krattli	08-05-07	1:15.65	USA
200 Breast	C. Krattli	05-20-07	2:25.76	C. Krattli	10-07-07	2:42.10	USA	C. Krattli	08-05-07	2:45.20	USA
50 Fly	Soulier-Pipes-	08-00-09	26.24	L. Dittmannso	12-06-08	29.21	USA	L. Dittmannso	08-06-09	29.37	USA
100 Fly	K. Pipes-Neilsen	12-16-07	57.42	K. Pipes-Neilsen	12-02-07	1:04.40	USA	K. Pipes-Neilsen	09-06-08	1:05.69	USA
200 Fly	K. Pipes-Neilsen	12-26-08	2:07.39	K. Pipes-Neilsen	12-13-08	2:23.61	USA	K. Pipes-Neilsen	06-20-09	2:24.34	USA
100 I.M.	K. Pipes-Neilsen	04-19-09	59.48	K. Pipes-Neilsen	12-13-08	1:06.39	FRA	K. Pipes-Neilsen	08-16-08	2:27.57	USA
200 I.M.	K. Pipes-Neilsen	12-16-07	2:07.26	K. Pipes-Neilsen	05-17-09	2:21.55	USA	K. Pipes-Neilsen	09-06-08	5:13.85	USA
400 I.M.	K. Pipes-Neilsen	12-19-08	4:34.65	K. Pipes-Neilsen	09-23-07	5:09.02	FRA	K. Pipes-Neilsen	08-01-04	5:09.83	USA

Women 50-54	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	T. Granger	05-04-08	24.92	J. Hirsity	12-15-02	28.54	AUS	L, Val	08-18-01	28.22	USA
100 Free	L, Val	05-17-02	54.38	L, Val	10-21-01	1:01.49	USA	L, Val	08-19-01	1:01.13	USA
200 Free	L, Val	05-17-02	1:59.55	L, Val	08-24-03	2:14.66	AUS	S, Heim-Bowen	04-20-08	2:15.00	USA
400/500 Free	S, Heim-Bowen	05-10-09	5:16.88	S, Heim-Bowen	10-18-09	4:42.70	USA	S, Heim-Bowen	04-24-08	4:42.37	USA
800/1000 Free	L, Val	04-14-02	11:16.62	S, Heim-Bowen	10-07-02	9:36.99	USA	S, Heim-Bowen	04-18-08	9:48.81	USA
1500/1650 Free	L, Val	04-14-02	18:42.24	L, Val	10-02-02	18:59.17	CAN	S, Heim-Bowen	08-14-08	18:32.76	USA
50 Back	J. Swagerty-Hill	06-23-02	28.74	K, Andrus-Hughes	12-07-08	32.13	USA	J, Swagerty-Hill	08-18-02	32.87	USA
100 Back	K, Andrus-Hughes	05-04-08	1:02.67	K, Andrus-Hughes	09-09-07	1:10.35	USA	K, Andrus-Hughes	08-17-08	1:13.55	USA
200 Back	B, Blich	04-19-09	2:17.40	L, Van Peit-Diller	03-15-08	2:34.69	USA	B, Blich	07-11-09	2:39.40	USA
50 Breast	M, Mann	05-15-07	33.21	L, Crittenden	12-03-06	37.35	AUS	M, Mann	08-07-06	37.51	AUS
100 Breast	L, Bennett	05-10-09	1:12.85	J, Cook	11-08-08	1:20.72	AUS	M, Mann	08-06-09	1:19.91	USA
200 Breast	J, Cook	04-26-09	2:39.92	J, Cook	12-07-08	2:57.11	AUS	J, Cook	04-23-08	2:55.15	USA
50 Fly	T, Granger	05-10-09	26.77	T, Granger	12-06-08	30.60	USA	L, Val	08-19-01	30.72	GER
100 Fly	T, Granger	05-10-09	1:00.28	L, Val	10-21-01	1:09.05	USA	L, Val	08-17-01	1:07.81	USA
200 Fly	L, Val	05-17-02	2:15.18	S, Heim-Bowen	10-17-09	2:38.43	AUS	L, Val	08-18-01	2:31.55	USA
100 I.M.	A.S. Osborn	05-10-09	1:03.72	J, Cook	10-18-08	1:12.34	AUS	J, Cook	08-16-08	2:38.80	AUS
200 I.M.	A.S. Osborn	05-10-09	2:19.56	J, Cook	10-18-08	2:35.86	AUS	L, Val	07-14-02	5:42.80	USA
400 I.M.	A.S. Osborn	05-10-09	4:56.39	L, Val	10-13-02	5:36.28	AUS	L, Val			

Women 55-59	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	L, Val	05-10-09	25.29	L, Val	09-16-07	28.57	USA	L, Val	08-17-08	28.69	USA
100 Free	L, Val	05-04-08	54.72	L, Val	12-07-08	1:01.40	USA	L, Val	08-16-08	1:02.02	USA
200 Free	L, Val	05-10-09	1:59.02	L, Val	12-06-08	2:14.62	USA	L, Val	08-06-09	2:16.28	USA
400/500 Free	L, Val	01-25-09	5:27.33	L, Val	10-04-09	4:42.97	USA	L, Val	07-12-09	4:50.13	USA
800/1000 Free	L, Val	03-17-07	11:23.69	L, Val	10-17-09	9:51.35	USA	L, Val	07-12-08	10:05.28	USA
1500/1650 Free	B, Dunbar	12-12-04	19:32.61	L, Val	01-19-08	18:53.74	USA	L, Val	07-08-07	19:14.70	USA
50 Back	L, Val	05-10-09	29.01	L, Val	10-05-08	32.67	USA	L, Val	08-09-09	33.90	USA
100 Back	L, Val	03-29-08	1:04.80	L, Val	11-16-08	1:12.23	USA	L, Val	08-17-08	1:14.41	USA
200 Back	L, Val	02-07-09	2:22.38	L, Val	10-12-08	2:40.05	USA	N, Steadman Martin	08-06-09	2:47.52	USA
50 Breast	G, Pierson	05-17-02	35.06	D, Barnhard	08-24-03	39.35	AUS	L, D Knapp	08-07-09	39.37	AUS
100 Breast	D, Walker	04-19-09	1:16.47	D, Barnhard	08-24-03	1:26.33	SUI	L, D Knapp	08-06-09	1:25.19	USA
200 Breast	C, Kohn	05-10-09	2:40.19	C, Kohn	10-31-09	3:02.37	USA	L, D Knapp	08-09-09	3:04.32	USA
50 Fly	L, Val	05-04-08	28.35	L, Val	10-17-09	31.13	USA	L, Val	08-06-09	31.42	USA
100 Fly	L, Val	05-10-09	1:01.31	L, Val	12-07-08	1:09.38	USA	L, Val	08-09-09	1:09.47	USA
200 Fly	L, Val	05-10-09	2:16.28	L, Val	09-14-08	2:31.13	USA	L, Val	07-08-07	2:41.51	USA
100 I.M.	L, Val	05-20-07	1:05.21	L, Val	10-11-09	1:12.90	USA	L, Val			
200 I.M.	L, Val	04-19-09	2:23.50	L, Val	11-16-08	2:38.66	USA	L, Val			
400 I.M.	L, Val	04-19-09	5:04.00	L, Val	12-05-08	5:41.08	USA	L, Val			



Women 60-64	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	C. Boak	05-04-08	28.03	R. Shaps	10-12-08	31.42	AUS	C. Boak	08-10-06	31.60	PER
100 Free	F. Williamson	05-10-09	1:01.27	Boak-Shaps	06---08	1:11.03	PER	F. Williamson	08-16-08	1:09.29	RSA
200 Free	F. Williamson	05-10-09	2:15.60	L. Stoinoff	03-14-93	2:39.92	PER	B. Barnett-Sallee	08-06-06	2:31.98	PER
400/500 Free	B. Dunbar	08-27-09	6:06.73	J. Marr	04-06-03	5:27.75	USA	B. Barnett-Sallee	08-10-06	5:21.79	USA
800/1000 Free	B. Dunbar	05-10-09	12:38.75	B. Dunbar	06-14-09	10:58.58	USA	B. Dunbar	06-07-09	11:16.81	USA
1500/1650 Free	B. Dunbar	05-10-09	20:59.38	J. Marr	05-19-03	21:33.34	AUS	B. Dunbar	06-07-09	21:16.05	USA
50 Back	R. Shaps	05-04-08	33.95	B. Jordan	06-15-97	38.74	GBR	B. Barnett-Sallee	08-10-06	35.79	USA
100 Back	R. Shaps	05-04-08	1:14.73	B. Jordan	06-15-97	1:24.16	SWE	B. Barnett-Sallee	08-09-06	1:18.91	USA
200 Back	B. Jordan	04-20-97	2:42.86	J. Marr	05-19-03	3:01.86	CAN	B. Barnett-Sallee	08-05-06	2:50.16	USA
50 Breast	G. Pierson	05-14-06	36.30	D. Barnhard	06-22-08	40.24	GER	J. Bruner	08-23-98	41.43	GER
100 Breast	G. Pierson	05-04-08	1:19.98	J. Leilich	03-25-00	1:30.58	GER	D. Barnhard	08-24-08	1:31.41	CAN
200 Breast	J. Leilich	05-02-99	2:56.39	J. Leilich	03-31-01	3:18.25	CAN	J. Leilich	07-25-99	3:23.62	CAN
50 Fly	R. Shaps	11-08-08	31.72	R. Shaps	10-11-08	34.47	GBR	R. Shaps	08-16-08	33.88	GBR
100 Fly	B. Dunbar	05-10-09	1:09.91	B. Dunbar	06-14-09	1:19.38	GBR	B. Dunbar	07-18-09	1:20.34	GBR
200 Fly	B. Dunbar	05-10-09	2:37.22	A. Mueller	10-24-04	3:13.71	JPN	B. Dunbar	06-07-09	3:05.07	USA
100 I.M.	C. Boak	05-20-07	1:12.31	R. Shaps	10-12-08	1:22.11	GER	C. Boak	08-10-06	3:00.74	GER
200 I.M.	C. Boak	05-22-05	2:43.09	B. Dunbar	06-14-09	2:58.28	CAN	B. Dunbar	06-07-09	2:58.08	GER
400 I.M.	B. Dunbar	02-15-09	5:44.39	J. Marr	05-19-03	6:27.20	AUS	B. Dunbar	06-07-09	6:33.92	GER

Women 65-69	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	B. Schreiner	05-20-07	30.42	B. Schreiner	03-21-09	34.07	GER	J. Bruner	08-20-00	33.55	GER
100 Free	A. Mueller	05-28-07	1:07.80	J. Marr	11-16-08	1:14.67	GER	J. Marr	08-16-08	1:15.75	GER
200 Free	A. Mueller	04-01-07	2:25.65	J. Marr	10-12-08	2:42.08	JPN	J. Marr	07-13-08	2:45.42	GER
400/500 Free	A. Mueller	04-01-07	6:29.22	J. Marr	03-30-08	5:44.29	AUS	J. Marr	08-17-08	5:46.65	AUS
800/1000 Free	J. Marr	05-10-09	13:25.54	J. Marr	12-05-08	11:40.70	AUS	J. Marr	08-14-08	11:55.93	AUS
1500/1650 Free	J. Marr	04-19-09	22:28.21	J. Marr	12-05-08	22:09.43	AUS	J. Marr	06-29-08	23:07.49	AUS
50 Back	C. Walker	04-05-92	36.03	B. Jordan	12-14-03	40.11	AUS	C. Walker	08-23-92	39.85	JPN
100 Back	J. Marr	05-10-09	1:17.94	B. Jordan	06-16-02	1:26.96	AUS	C. Walker	07-02-91	1:30.97	JPN
200 Back	B. Jordan	05-17-02	2:51.56	J. Marr	03-30-08	3:11.23	CAN	J. Marr	07-11-09	3:12.42	CAN
50 Breast	J. Leilich	04-25-04	37.74	J. Leilich	04-09-05	42.35	GER	J. Leilich	08-28-05	43.57	CAN
100 Breast	J. Leilich	04-25-04	1:23.95	J. Leilich	03-20-04	1:32.37	GER	J. Leilich	08-13-07	1:36.29	GBR
200 Breast	J. Leilich	04-04-04	3:01.50	J. Leilich	03-20-04	3:17.44	USA	J. Leilich	08-28-05	3:26.98	GER
50 Fly	A. Mueller	04-01-07	33.02	J. Ward	09-09-07	38.06	JPN	J. Ward	06-10-07	38.47	GER
100 Fly	A. Mueller	04-01-07	1:16.73	G. Roper	10-15-95	1:33.10	JPN	S. Bolat	08-15-04	1:35.57	JPN
200 Fly	D. Barnea	05-10-09	3:09.16	J. Krauser	10-08-95	3:32.93	JPN	D. Barnea	07-12-09	3:29.68	USA
100 I.M.	J. Marr	05-10-09	1:18.86	J. Marr	11-16-08	1:28.09	AUS	J. Marr	08-16-08	3:13.33	GER
200 I.M.	A. Mueller	05-28-07	2:53.77	J. Marr	12-06-08	3:13.20	AUS	J. Marr	08-15-08	6:54.46	JPN
400 I.M.	D. Barnea	05-10-09	6:22.17	J. Marr	11-15-08	6:45.94	JPN	J. Marr	08-15-08	6:46.46	JPN

Women 70-74	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	G. Roper	04-30-00	31.05	G. Roper	11-07-99	35.37	JPN	G. Roper	08-23-99	35.28	JPN
100 Free	G. Roper	04-30-00	1:09.79	G. Roper	12-05-99	1:18.67	JPN	G. Roper	08-23-99	1:19.94	JPN
200 Free	G. Roper	04-30-00	2:35.85	G. Roper	05-15-00	2:58.06	JPN	L. Stoinoff	07-13-03	2:57.28	JPN
400/500 Free	L. Stoinoff	04-25-04	6:46.78	G. Roper	12-05-99	6:27.21	JPN	L. Stoinoff	06-28-03	6:11.92	JPN
800/1000 Free	L. Stoinoff	04-25-04	13:58.55	J. Krauser	09-07-96	13:07.28	GBR	L. Stoinoff	08-15-04	12:32.21	GBR
1500/1650 Free	L. Stoinoff	03-28-04	23:45.69	J. Krauser	11-02-96	24:57.85	GBR	L. Stoinoff	07-13-03	24:24.13	GBR
50 Back	B. Jordan	05-20-07	36.91	B. Jordan	06-10-07	41.70	AUS	D. Steadman	06-26-96	42.29	AUS
100 Back	B. Jordan	05-20-07	1:22.08	B. Jordan	06-10-07	1:29.93	USA	B. Jordan	06-03-97	1:34.84	JPN
200 Back	N. Brown	04-30-06	2:59.07	N. Brown	11-04-06	3:25.04	SWE	D. Steadman	08-27-95	3:28.69	SWE
50 Breast	J. Leilich	01-24-09	39.89	J. Leilich	03-21-09	44.32	JPN	J. Leilich	08-07-09	45.67	JPN
100 Breast	J. Leilich	01-24-09	1:27.62	J. Leilich	03-21-09	1:37.20	JPN	J. Leilich	07-18-09	1:38.78	JPN
200 Breast	J. Leilich	02-01-09	3:07.28	J. Leilich	03-21-09	3:25.76	USA	J. Leilich	07-19-09	3:39.59	JPN
50 Fly	G. Roper	04-30-00	35.06	G. Roper	05-17-99	40.66	JPN	G. Roper	07-09-00	41.26	JPN
100 Fly	G. Roper	10-02-99	1:27.74	G. Roper	10-10-99	1:37.56	JPN	J. Krauser	06-28-96	1:40.85	JPN
200 Fly	J. Krauser	02-16-97	3:16.51	J. Krauser	10-13-96	3:38.39	JPN	J. Krauser	06-28-96	3:39.91	USA
100 I.M.	G. Roper	04-30-00	1:21.97	G. Roper	05-15-00	1:32.23	JPN	J. Krauser	06-28-96	1:32.94	JPN
200 I.M.	N. Brown	04-30-06	3:07.70	G. Roper	10-10-99	3:30.92	JPN	G. Roper	08-08-99	3:32.94	JPN
400 I.M.	N. Brown	04-09-06	6:40.92	J. Krauser	10-13-96	7:24.32	JPN	J. Krauser	06-28-96	7:30.91	JPN

Women 75-79	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	G. Roper	04-03-05	33.87	G. Roper	12-12-04	37.24	GBR	G. Roper	08-15-05	36.87	GBR
100 Free	G. Roper	04-24-05	1:16.23	G. Roper	10-15-05	1:24.31	GBR	G. Roper	07-31-05	1:26.36	GBR
200 Free	R. Kamphausen	03-08-09	2:53.05	G. Roper	11-20-05	3:07.58	GBR	G. Roper	07-31-05	3:13.24	GBR
400/500 Free	R. Kamphausen	05-15-09	7:32.58	J. Troy	12-08-02	6:44.09	GBR	J. Troy	08-11-02	6:55.62	GBR
800/1000 Free	R. Kamphausen	03-08-09	15:47.72	J. Troy	11-03-02	13:59.01	GBR	J. Krauser	09-09-01	14:10.50	GBR
1500/1650 Free	R. Kamphausen	06-16-09	26:53.24	G. Roper	12-04-05	26:37.02	GBR	J. Troy	08-17-03	27:09.75	GBR
50 Back	D. Steadman	04-30-00	40.25	D. Steadman	11-07-99	44.76	GBR	D. Steadman	08-23-99	44.43	GBR
100 Back	D. Steadman	04-02-00	1:28.19	D. Steadman	12-00-99	1:39.76	GBR	D. Steadman	08-23-99	1:39.06	GBR
200 Back	D. Steadman	04-30-00	3:16.35	D. Steadman	11-07-99	3:38.25	GBR	D. Steadman	08-23-99	3:39.41	GBR
50 Breast	S. Eisele	03-20-05	44.36	G. Roper	10-15-05	50.91	BEL	A. Hirsch	08-15-08	51.55	BEL
100 Breast	A. Hirsch	03-19-06	1:37.04	A. Hirsch	10-11-08	1:50.24	BEL	A. Hirsch	08-10-06	1:50.28	BEL
200 Breast	A. Hirsch	02-11-06	3:31.35	A. Hirsch	10-12-08	3:56.51	BEL	A. Hirsch	08-10-06	3:59.30	BEL
50 Fly	G. Roper	04-24-05	39.05	G. Roper	12-12-04	44.18	GBR	G. Roper	08-01-04	44.95	GBR
100 Fly	G. Roper	04-03-05	1:37.03	G. Roper	12-04-05	1:49.36	CAN	G. Roper	08-01-04	1:54.14	CAN
200 Fly	L. Kivi Nochman	04-30-00	3:41.89	L. Kivi Nochman	05-17-99	4:08.39	AUT	J. Krauser	06-24-01	4:10.69	AUT
100 I.M.	G. Roper	04-24-05	1:27.31	G. Roper	12-12-04	1:38.11	GBR	J. Krauser	06-24-01	1:47.40	AUT
200 I.M.	G. Roper	04-24-05	3:18.40	G. Roper	12-11-05	3:37.24	GBR	J. Krauser	06-24-01	3:48.59	GBR
400 I.M.	G. Roper	04-10-05	7:03.61	J. Krauser	10-07-01	7:52.71	GBR	J. Krauser	06-10-01	7:51.71	GBR



Women 80-84	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	F. Carr	03-12-06	36.85	G. Roper	01-25-09	38.03	USA	G. Roper	03-07-09	38.64	USA
100 Free	M. Meyer	05-18-03	1:24.09	G. Roper	01-25-09	1:26.23	USA	G. Roper	03-07-09	1:27.55	USA
200 Free	J. Troy	02-17-08	3:08.99	G. Roper	01-25-09	3:18.57	USA	J. Troy	06-10-07	3:27.26	USA
400/500 Free	J. Troy	03-30-08	8:26.37	J. Troy	11-11-07	7:20.96	USA	J. Troy	06-10-07	7:24.53	USA
800/1000 Free	J. Troy	03-30-08	17:20.18	J. Troy	11-18-07	15:12.35	USA	J. Troy	07-15-07	15:21.62	USA
1500/1650 Free	B. Lorenzi	04-19-09	28:35.79	J. Troy	11-18-07	28:55.09	USA	J. Troy	07-15-07	29:04.81	USA
50 Back	B. Lorenzi	04-19-09	43.57	M. Meyer	10-13-02	50.03	SWE	B. Cederlund	03-29-02	46.39	USA
100 Back	B. Lorenzi	04-19-09	1:32.37	B. Lorenzi	12-01-07	1:50.61	USA	B. Lorenzi	08-07-09	1:47.29	USA
200 Back	B. Lorenzi	04-19-09	3:26.72	B. Lorenzi	12-01-07	4:07.13	ISR	B. Lorenzi	08-06-09	3:53.25	USA
50 Breast	N. Bohl	04-19-09	50.75	L. Kivi Nochtman	05-23-05	1:01.58	JPN	N. Bohl	08-07-09	54.30	GER
100 Breast	M. Flynn	04-13-03	2:01.00	L. Kivi Nochtman	05-23-05	2:14.23	JPN	N. Bohl	08-06-09	2:06.17	RUS
200 Breast	N. Bohl	04-19-09	4:09.31	R. Simonton	12-13-98	4:49.62	AUT	S. Eisele	03-21-09	4:37.64	RUS
50 Fly	L. Kivi Nochtman	04-15-07	50.10	G. Roper	05-16-09	48.85	USA	G. Roper	03-07-09	47.37	USA
100 Fly	L. Kivi Nochtman	04-22-07	1:54.16	G. Roper	10-07-09	1:58.33	USA	L. Nochtman	05-21-04	2:06.55	USA
200 Fly	L. Kivi Nochtman	04-24-05	4:05.12	L. Kivi Nochtman	10-28-07	4:35.51	USA	L. Nochtman	05-21-04	4:34.86	USA
100 I.M.	N. Bohl	04-19-09	1:44.34	G. Roper	05-16-09	1:44.95	USA	J. Troy	06-10-07	4:18.72	USA
200 I.M.	J. Troy	02-17-08	3:54.26	G. Roper	05-17-09	3:55.51	USA	J. Troy	06-10-07	9:32.43	USA
400 I.M.	J. Troy	02-17-08	8:16.02	G. Roper	10-31-09	8:39.68	USA	J. Troy	06-10-07	9:32.43	USA

Women 85-89	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	M. Meyer	04-19-09	42.36	M. Meyer	09-14-08	48.10	NZL	M. Meyer	07-11-09	46.72	NZL
100 Free	M. Meyer	05-10-09	1:35.48	M. Meyer	09-14-08	1:46.95	USA	M. Meyer	07-08-07	1:48.02	NZL
200 Free	M. Meyer	05-10-09	3:29.82	M. Meyer	09-16-07	3:54.18	USA	M. Meyer	08-13-07	3:56.11	USA
400/500 Free	M. Meyer	04-13-08	9:14.15	M. Meyer	09-14-08	7:58.41	USA	M. Meyer	08-13-07	8:14.05	USA
800/1000 Free	M. Meyer	05-10-09	19:02.30	R. Simonton	06-08-03	16:49.43	USA	M. Meyer	07-08-07	17:09.73	USA
1500/1650 Free	M. Meyer	05-10-09	31:15.55	R. Simonton	10-19-03	31:44.50	USA	M. Meyer	07-10-09	32:11.49	USA
50 Back	A. Soule	05-19-91	49.59	B. Cederlund	10-15-06	57.62	USA	B. Cederlund	08-10-06	53.44	USA
100 Back	A. Soule	05-19-91	1:55.84	B. Cederlund	10-15-06	2:10.33	ISR	B. Cederlund	08-09-06	2:06.41	USA
200 Back	M. Sharpe	02-08-02	4:07.66	B. Cederlund	10-15-06	4:36.48	ISR	B. Cederlund	08-10-06	4:35.71	ISR
50 Breast	G. Zint	05-08-03	1:01.66	M. Gogniat	12-10-95	1:09.77	JPN	B. Christian	08-10-06	1:06.48	RUS
100 Breast	M. Berkley	07-02-07	2:23.13	M. Gogniat	12-10-95	2:38.48	GBR	B. Christian	08-09-06	2:36.19	RUS
200 Breast	M. Berkley	02-10-08	5:08.48	M. Berkley	12-08-07	5:46.07	GBR	B. Christian	08-09-06	5:27.60	RUS
50 Fly	J. Dursion	03-11-00	1:00.88	L. Kivi Nochtman	03-15-09	1:02.04	USA	L. Kivi Nochtman	06-07-09	1:01.94	USA
100 Fly	J. Dursion	04-30-00	2:18.32	L. Kivi Nochtman	05-15-09	2:21.77	USA	L. Kivi Nochtman	08-07-09	2:23.89	USA
200 Fly	J. Dursion	04-09-00	5:04.77	L. Kivi Nochtman	02-09-09	4:59.50	USA	L. Kivi Nochtman	07-25-09	5:07.64	USA
100 I.M.	M. Meyer	04-19-09	2:03.29	L. Kivi Nochtman	02-09-09	2:18.55	USA	L. Kivi Nochtman	08-09-09	5:11.92	USA
200 I.M.	J. Dursion	04-30-00	4:42.83	L. Kivi Nochtman	05-17-09	4:59.06	USA	L. Kivi Nochtman	08-06-09	10:48.77	USA
400 I.M.	J. Dursion	04-30-00	9:48.75	L. Kivi Nochtman	03-15-09	10:28.05	USA	L. Kivi Nochtman	08-06-09	10:48.77	USA

Women 90-94	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	A. Soule	05-12-96	49.68	R. Simonton	12-06-08	56.55	JPN	A. Soule	08-25-96	55.76	JPN
100 Free	R. Simonton	04-26-09	1:50.37	R. Simonton	10-18-08	2:07.65	USA	R. Simonton	08-03-08	2:03.52	JPN
200 Free	R. Simonton	05-10-09	3:59.22	R. Simonton	11-08-08	4:24.90	USA	R. Simonton	07-20-08	4:19.80	USA
400/500 Free	R. Simonton	05-10-09	10:22.61	R. Simonton	11-08-08	9:01.89	USA	R. Simonton	08-03-08	9:04.93	USA
800/1000 Free	R. Simonton	04-26-09	21:20.93	R. Simonton	06-08-08	18:38.98	USA	R. Simonton	08-14-08	18:53.58	USA
1500/1650 Free	R. Simonton	02-22-09	35:22.28	R. Simonton	10-05-08	35:40.38	USA	R. Simonton	06-01-08	36:02.20	USA
50 Back	A. Soule	05-12-96	1:01.93	A. Walker	04-01-06	1:16.60	GBR	A. Soule	08-25-96	1:03.49	USA
100 Back	A. Soule	05-12-96	2:14.66	A. Walker	04-01-06	2:47.71	GBR	A. Soule	08-25-96	2:23.23	USA
200 Back	A. Soule	05-12-96	4:42.55	A. Walker	04-01-06	5:56.41	GBR	A. Soule	06-29-97	5:29.07	GBR
50 Breast	M. Lenk-Zigler	05-22-05	1:17.70	R. Simonton	06-08-08	1:36.78	JPN	G. Zint	06-10-07	1:43.76	BRA
100 Breast	R. Simonton	04-04-09	3:25.96	J. Cooke	12-05-99	4:06.89	GBR	M. Lenk-Zigler	08-15-05	3:12.88	USA
200 Breast	E. Muller	03-16-03	7:21.02	J. Cooke	12-05-99	9:03.85	BRA	M. Lenk-Zigler	08-15-05	6:57.76	USA
50 Fly	R. Simonton	04-26-09	1:18.23	R. Simonton	12-06-08	1:30.41	USA	R. Simonton	06-01-08	1:33.12	USA
100 Fly	J. Cooke	04-11-99	3:26.50	J. Cooke	02-21-99	4:06.32	GBR				
200 Fly	J. Cooke	11-08-98	7:12.95								
100 I.M.	R. Simonton	03-29-09	2:37.23	R. Simonton	06-08-08	2:51.20	USA				
200 I.M.	R. Simonton	03-29-09	5:40.28	R. Simonton	10-18-08	5:58.46	USA				
400 I.M.	J. Cooke	11-07-98	13:06.38	J. Cooke	02-21-99	14:55.37	USA	R. Simonton	08-16-08	6:30.12	USA

Women 95-99	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	M. Kelleher	02-15-09	1:26.17		05-17-08	3:10.36	JPN	J. Dolce	08-15-05	1:17.53	JPN
100 Free	M. Kelleher	02-10-08	3:02.75	M. Kelleher	05-17-08	6:50.52	JPN	J. Dolce	08-15-05	3:08.43	JPN
200 Free	M. Kelleher	02-10-08	6:12.19	M. Kelleher	05-17-08	12:25.13	ESP				
400/500 Free	A. Bauscher	12-07-97	18:25.13								
800/1000 Free											
1500/1650 Free											
50 Back	E. Hendry	04-01-07	1:26.19	E. Hendry	12-03-06	1:27.92	JPN	E. Hendry	07-15-07	1:39.68	JPN
100 Back	E. Hendry	05-28-07	3:09.30	E. Hendry	12-03-06	3:25.37	JPN	E. Hendry	07-15-07	3:42.90	JPN
200 Back	E. Hendry	04-01-07	7:02.33	E. Hendry	12-03-06	7:36.62	JPN	E. Hendry	07-15-07	7:52.01	JPN
50 Breast	M. Kelleher	02-15-09	1:55.41								
200 Breast											
50 Fly											
100 Fly											
200 Fly											
100 I.M.	M. Kelleher	02-10-08	3:28.34	M. Kelleher	05-17-08	3:54.89					
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											AUS 5:10.84
100 Free											
200 Free											
400/500 Free											
800/1000 Free											
1500/1650 Free											
50 Back											
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	E. Mauver	04-10-94	20.25	N. Brunelli	12-11-05	21.38		J. Keppeler	07-08-01	23.19	
100 Free	R. Barnier	02-18-01	43.89	N. Brunelli	12-11-05	48.00		N. Copeland	07-25-09	50.54	
200 Free	J. Schneider	02-17-08	1:37.07	N. Brunelli	12-11-05	1:47.32		J. Trinstan	08-16-98	1:52.74	
400/500 Free	R. Barnier	02-18-01	4:29.67	B. Winsor	12-10-95	4:03.45		H. Seung Lee	08-13-07	4:04.68	
800/1000 Free	B. Winsor	04-14-96	9:29.54	B. Winsor	12-10-95	8:35.83		P. Galan	08-19-07	8:44.94	
1500/1650 Free	B. Winsor	05-12-96	16:20.39	J. Poppell	10-10-93	16:15.25		K. Ryan	06-23-07	17:12.07	
50 Back	C. Gibson	04-15-07	23.22	W. Jewell	12-08-02	27.39		D. Rollins	08-15-05	26.91	
100 Back	C. Gibson	04-15-07	49.19	O. Briseno	12-13-98	58.88		L. Lyons	08-13-07	58.92	
200 Back	J. Keppeler	04-26-92	1:50.28	T. Bradley	11-18-07	2:08.69		J. Trinstan	06-15-97	2:13.60	
50 Breast	R. Eddy	05-10-09	24.98	G. Owen	12-11-05	28.69		D. Rollins	08-15-05	28.87	
100 Breast	G. Marshall	05-14-06	54.65	G. Owen	12-11-05	1:01.75		D. Rollins	08-15-05	1:05.76	
200 Breast	G. Marshall	05-14-06	1:58.34	T. Radel	10-13-96	2:22.78		K. Raab	07-25-99	2:25.57	
50 Fly	M. Shelby	04-11-06	22.16	P. Buren	12-07-03	25.16		N. Copeland	07-23-09	24.83	
100 Fly	A. Conway	05-17-02	49.37	M. Marshall	12-03-06	56.52		N. Copeland	07-23-09	55.52	
200 Fly	S. Reed	05-23-93	1:51.04	J. Poppell	10-10-93	2:07.64		H. Seung Lee	08-13-07	2:08.62	
100 I.M.	R. Barnier	02-18-01	50.14	A. Bartleson	10-15-95	59.18		D. Rollins	08-15-05	2:09.30	
200 I.M.	S. Percy	05-16-94	1:52.82	N. Brunelli	12-11-05	2:00.32		P. Galan	08-19-07	4:44.83	
400 I.M.	J. Keppeler	04-26-92	4:04.34	S. Marimuk	11-14-93	4:28.54					

Men 25-29	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	S. Muhammad	04-25-04	19.44	Peel-Wagner	93---96	22.48 SWE	22.11	K. Deforrest	08-28-83	22.59 USA	22.59
100 Free	S. Muhammad	04-25-04	42.91	B. Zikarsky	12-10-95	49.91 GER	48.58	N. Shackell	08-13-00	50.74 USA	50.74
200 Free	J. Keppeler	02-03-96	1:38.14	J. Keppeler	12-10-95	1:48.81 USA	1:48.81	J. Keppeler	03-12-96	1:51.00 USA	1:52.17
400/500 Free	L. Moreau	02-18-01	4:26.87	A. Kostich	12-14-97	3:58.23 FRA	3:53.60	H. Vitazka	08-18-02	4:00.98 USA	4:00.98
800/1000 Free	A. Kostich	05-03-98	9:25.88	A. Kostich	12-14-97	8:14.75 BRA	8:07.91	A. Kostich	06-29-97	8:24.67 USA	8:24.67
1500/1650 Free	A. Kostich	05-03-98	15:44.70	A. Kostich	12-14-97	15:41.81 GBR	15:29.68	A. Kostich	08-10-97	16:13.89 USA	16:13.89
50 Back	K. Doak	03-29-09	22.78	K. Doak	12-02-07	25.15 GER	25.05	K. Doak	08-08-09	26.64 USA	26.64
100 Back	A. Gill	04-12-92	49.83	K. Doak	03-15-09	55.26 GBR	54.82	K. Doak	04-06-08	57.00 JPN	57.42
200 Back	J. Keppeler	04-30-95	1:48.47	J. Keppeler	12-10-95	2:02.63 GER	1:56.22	J. Keppeler	08-23-92	2:07.57 GBR	2:05.86
50 Breast	W. Liscinsky	05-04-08	24.40	C. Welch	10-10-08	28.46 CAN	27.69	S. Van Neerden	08-18-97	28.98 BRA	28.33
100 Breast	G. Marshall	05-10-09	54.30	J. Commings	08-24-03	1:02.83 BRA	1:00.28	G. Marshall	07-06-08	1:02.44 GBR	1:02.65
200 Breast	G. Marshall	05-20-07	1:57.46	C. Welch	06-22-08	2:19.27 GBR	2:14.44	G. Marshall	08-17-08	2:16.70 USA	2:16.70
50 Fly	S. Muhammad	04-25-04	21.15	O. Quevedo	10-02-05	24.98 JPN	23.66	K. Kawamoto	08-16-08	23.71 USA	23.71
100 Fly	M. Marshall	04-13-08	48.36	J. Dash	11-15-08	53.82 USA	53.82	K. Kawamoto	08-15-08	53.09 USA	53.09
200 Fly	E. Scalise	05-20-07	1:47.62	J. Eaddy	12-15-02	2:03.59 GBR	1:59.74	J. Eaddy	07-21-02	2:05.76 JPN	2:03.26
100 I.M.	W. Liscinsky	05-04-08	48.82	J. Commings	08-24-03	56.65 GER	55.20	H. Vitazka	08-18-02	2:06.33 USA	2:06.33
200 I.M.	E. Scalise	05-20-07	1:49.11	J. Keppeler	12-10-95	2:05.93 GER	2:00.56	H. Vitazka	08-18-02	4:32.19 BRA	4:30.05
400 I.M.	E. Scalise	05-20-07	3:52.43	J. Keppeler	12-10-95	4:26.79 NZL	4:20.94	H. Vitazka			

Men 30-34	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	S. Muhammad	03-29-09	20.08	Ed Wagner	11-23-02	22.76	GER	22.13	S. Muhammad	06-08-09	22.53
100 Free	M. Picotte	12-19-04	44.53	M. Picotte	12-14-03	50.71	GER	49.04	R. Gaines	07-12-91	51.24
200 Free	J. Olsen	05-16-99	1:38.03	J. Koppeler	06-20-99	1:52.04	DEN	1:48.40	T. Kerekjarto	07-26-09	1:53.15
400/500 Free	M. Cellinski	02-25-06	4:29.49	A. Kostich	12-10-00	3:58.40	USA	3:58.40	E. Hochstein	08-11-02	3:58.42
800/1000 Free	J. Woodruff	05-12-96	9:26.93	A. Kostich	12-10-00	8:17.06	USA	8:17.06	R. Gaines	11-14-93	8:18.76
1500/1650 Free	J. Erwin	02-08-09	15:51.57	A. Kostich	10-07-01	15:51.07	USA	15:51.07	B. Patten	06-22-93	16:33.70
50 Back	D. Buyukuncu	05-24-92	22.97	M. Zuberu	11-08-08	25.54	USA	25.54	D. Buyukuncu	06-07-09	26.64
100 Back	C. Britt	05-10-09	50.21	D. Buyukuncu	11-08-08	53.62	USA	53.62	S. Murphy	07-09-94	57.24
200 Back	E. Scallise	05-04-08	1:48.04	M. Zuberu	10-07-01	2:00.43	GER	1:56.68	S. Murphy	07-09-94	2:02.75
50 Breast	J. Commings	05-04-08	25.69	J. Commings	12-07-08	27.11	BRA	27.11	J. Commings	08-07-06	29.01
100 Breast	J. Commings	05-20-07	55.85	J. Commings	12-06-08	1:01.34	BRA	1:00.72	J. Commings	06-03-07	1:04.40
200 Breast	E. Scallise	05-10-09	2:00.64	R. Santos	12-12-99	2:17.56	GER	2:16.60	D. Lundberg	08-18-91	2:20.43
50 Fly	B. Alderman	05-16-99	22.22	B. Alderman	12-12-99	24.64	GER	22.87	O. Quevedo	08-10-06	24.15
100 Fly	M. Picotte	12-19-04	48.25	B. Alderman	12-12-99	54.85	ESP	52.64	T. Kerekjarto	07-26-09	54.98
200 Fly	P. Egan	05-16-94	1:49.52	M. Shaffer	12-10-95	2:04.59	ESP	1:57.46	B. Patten	08-04-95	2:03.85
100 I.M.	E. Scallise	05-10-09	50.89	M. Zuberu	10-12-03	56.66	GER	55.00	I. Bathazi	08-23-09	2:05.52
200 I.M.	R. Kamaugh	05-04-97	1:47.62	R. Santos	12-12-99	2:06.32	GER	1:58.13	I. Bathazi	07-09-94	2:05.52
400 I.M.	R. Kamaugh	05-04-97	3:53.81	R. Santos	12-12-99	4:26.74	USA	4:26.74	S. Murphy	07-09-94	4:36.65

Men 35-39	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	J. Davis	05-04-08	20.14	B. Jacobson	06-22-08	23.02	GBR	21.53	F. Delgado	06-07-09	22.76
100 Free	V. Pyshtenko	04-20-09	44.24	R. Kamaugh	12-07-03	51.01	SWE	49.53	R. Gaines	07-16-95	50.78
200 Free	J. Davis	05-04-08	1:36.56	E. Hochstein	12-14-03	1:51.31	USA	1:51.31	V. Pyshtenko	08-06-06	1:52.84
400/500 Free	R. Kamaugh	05-17-02	4:33.97	E. Hochstein	12-14-03	3:57.77	USA	3:57.77	R. Gaines	07-16-95	4:07.64
800/1000 Free	M. Shaffer	05-17-02	9:31.89	E. Hochstein	11-08-03	8:23.06	USA	8:23.06	R. Gaines	11-12-95	8:38.73
1500/1650 Free	J. Erwin	05-18-03	15:53.88	B. Patten	11-20-99	15:58.20	USA	15:58.20	C. Derks	08-14-08	16:32.72
50 Back	J. Davis	05-04-08	22.70	E. Silva	10-18-09	25.72	USA	25.72	E. Silva	08-08-09	27.03
100 Back	J. Davis	05-04-08	49.12	M. Ross	12-05-04	55.95	USA	55.95	M. Ross	08-10-06	59.18
200 Back	J. Davis	05-04-08	1:47.72	R. Kamaugh	12-08-02	2:00.34	USA	2:00.34	R. Kamaugh	07-29-01	2:09.26
50 Breast	J. Commings	03-15-09	25.62	R. Kamaugh	12-08-02	28.75	RUS	28.57	J. Commings	05-25-09	28.53
100 Breast	R. Kamaugh	12-16-01	55.26	R. Kamaugh	12-08-02	1:02.57	USA	1:02.57	W. Dicks	04-01-00	1:04.73
200 Breast	R. Kamaugh	12-16-01	1:59.23	R. Kamaugh	12-08-02	2:17.96	GBR	2:16.49	R. Kamaugh	07-29-01	2:20.29
50 Fly	W. King	04-21-02	22.30	B. Alderman	12-04-05	25.23	SWE	24.48	W. King	08-18-02	24.70
100 Fly	P. Egan	05-16-99	49.54	J. Harvey	12-09-01	55.85	JPN	54.82	M. Ross	08-15-04	55.84
200 Fly	B. Patten	05-16-99	1:50.74	B. Patten	11-20-99	2:04.50	JPN	2:03.31	J. Stuart	06-28-96	2:06.74
100 I.M.	J. Davis	05-04-08	50.06	R. Kamaugh	12-07-03	56.94	USA	56.94	R. Kamaugh	12-07-02	2:08.19
200 I.M.	R. Kamaugh	12-22-02	1:48.74	R. Kamaugh	12-08-02	2:03.29	USA	2:03.29	R. Kamaugh	07-29-01	2:08.19
400 I.M.	R. Kamaugh	12-16-01	3:56.76	R. Kamaugh	12-07-03	4:24.36	USA	4:24.36	R. Kamaugh	07-29-01	4:42.45

Men 40-44	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World		
50 Free	M. Ross	04-26-09	20.84	E. Hochstein	12-06-08	23.47	ITA	23.11	D. Boatwright	07-13-03	24.14	ITA	23.86
100 Free	M. Ross	05-04-08	45.35	M. Ross	12-06-08	50.43	USA	50.43	E. Hochstein	07-25-09	55.10	USA	52.10
200 Free	M. Ross	05-04-08	1:38.94	M. Ross	12-06-08	1:50.08	USA	1:50.08	Jaeger-Ross	06-00-09	1:55.06	USA	1:55.06
400/500 Free	D. Baker	04-23-06	4:41.58	P. Brundage	10-18-09	4:06.30	GER	4:00.67	E. Hochstein	07-24-09	4:06.74	USA	4:06.74
800/1000 Free	J. Erwin	05-20-07	9:37.46	M. Shaffer	12-05-05	8:31.86	GER	8:31.69	J. Erwin	07-27-05	8:41.65	USA	8:41.65
1500/1650 Free	M. Ross	05-10-09	16:01.00	M. Shaffer	12-04-05	16:28.84	ESP	16:10.52	J. Erwin	08-14-08	16:39.60	USA	16:39.60
50 Back	M. Ross	04-26-09	22.77	M. Ross	12-13-08	26.11	USA	26.11	M. Ross	08-23-08	27.47	USA	27.47
100 Back	M. Ross	04-26-09	48.49	M. Ross	12-07-08	54.85	USA	54.85	M. Ross	08-07-09	59.08	USA	59.08
200 Back	M. Ross	05-04-08	1:50.09	M. Ross	12-14-08	2:03.84	USA	2:03.84	S. Murphy	08-10-06	2:13.37	USA	2:13.37
50 Breast	G. Rhodenbaugh	05-18-03	25.84	R. Santos	11-16-08	29.51	ITA	28.86	J. Corbeau	08-15-08	30.41	JPN	29.56
100 Breast	W. Dicks	05-18-03	57.04	R. Santos	11-15-08	1:03.54	ITA	1:02.42	D. Guthrie	08-20-00	1:08.01	ITA	1:05.93
200 Breast	R. Santos	04-19-09	2:03.37	R. Santos	11-16-08	2:18.59	ITA	2:15.95	R. Santos	05-18-08	2:24.19	ITA	2:23.33
50 Fly	M. Ross	04-26-09	22.61	M. Ross	12-06-08	24.91	USA	24.91	M. Ross	08-06-09	25.57	USA	25.57
100 Fly	M. Ross	05-04-08	49.27	M. Ross	12-14-08	55.82	USA	55.82	M. Ross	08-23-08	56.43	USA	56.43
200 Fly	D. Baker	04-14-02	1:50.61	W. Specht	10-11-98	2:02.97	USA	2:02.97	D. Baker	07-11-04	2:05.55	USA	2:05.55
100 I.M.	M. Ross	03-29-09	52.03	E. Hochstein	12-06-08	57.71	USA	57.71	E. Hochstein	07-25-09	2:14.13	GER	2:12.41
200 I.M.	M. Ross	04-26-09	1:51.85	E. Hochstein	12-06-08	2:07.71	USA	2:07.71	D. Baker	08-15-05	4:49.42	GER	4:47.01
400 I.M.	R. Santos	04-19-09	4:01.87	R. Santos	11-16-08	4:32.05	USA	4:32.05	D. Baker				

Men 45-49	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World		
50 Free	J. Smith	05-04-08	21.10	A. Rasmussen	11-15-08	24.18	FIN	23.67	P. Smith	08-10-06	24.29	JPN	24.26
100 Free	R. Saeger	04-26-09	46.72	P. Smith	12-02-07	52.54	USA	52.54	J. Groselle	08-23-99	53.90	ITA	53.77
200 Free	K. Switzer	05-10-09	1:43.24	P. Smith	12-02-07	1:56.00	GER	1:54.73	K. Switzer	08-06-09	1:57.89	USA	1:57.89
400/500 Free	D. Baker	05-20-07	4:39.10	K. Switzer	10-18-09	4:09.70	GER	4:05.90	D. Baker	07-19-08	4:09.20	USA	4:11.07
800/1000 Free	D.S. Wells	04-19-09	9:52.53	M. Schmidt	12-12-08	8:49.03	GER	8:42.76	J. Erwin	08-10-09	8:53.94	BRA	8:42.85
1500/1650 Free	D.S. Wells	05-10-09	16:22.77	J. McConica	12-12-99	16:51.21	GER	16:28.63	J. Erwin	08-10-09	16:38.81	USA	16:38.81
50 Back	J.C. Britt	05-04-08	24.31	A. Rasmussen	12-07-08	27.20	USA	27.20	S. Wood	06-07-08	28.05	USA	28.05
100 Back	J.C. Britt	05-04-08	52.33	C. Stevenson	03-21-09	58.33	USA	58.33	S. Wood	06-08-08	1:00.13	USA	1:00.13
200 Back	R. Esselstyn	05-04-08	1:56.55	C. Stevenson	03-21-09	2:09.05	USA	2:09.05	S. Wood	06-07-08	2:18.44	JPN	2:16.78
50 Breast	W. Dicks	12-20-08	26.58	W. Dicks	03-21-09	30.06	RUS	29.47	D. Guthrie	06-08-08	30.59	GER	30.31
100 Breast	C. Weissman	04-19-09	57.87	G. Mills	06-22-08	1:05.74	USA	1:05.74	D. Guthrie	08-16-08	1:07.38	USA	1:07.38
200 Breast	D. Guthrie	05-10-09	2:08.33	G. Mills	06-22-08	2:22.68	USA	2:22.68	D. Guthrie	08-17-08	2:27.79	USA	2:27.79
50 Fly	P. Smith	05-04-08	22.67	P. Smith	12-02-07	25.82	USA	25.82	P. Smith	08-10-06	25.90	USA	25.90
100 Fly	P. Smith	05-04-08	51.37	P. Carter	12-14-03	57.17	USA	57.17	P. Carter	08-04-02	56.42	USA	56.85
200 Fly	D. Baker	12-06-08	1:50.73	D. Baker	11-19-06	2:06.40	USA	2:06.40	D. Baker	07-19-08	2:04.07	USA	2:06.94
100 I.M.	J. Smith	05-04-08	52.84	A. Rasmussen	11-16-08	1:00.32	ITA	1:00.29	D. Baker				
200 I.M.	A. Rasmussen	03-05-09	1:58.39	G. Mills	06-22-08	2:13.42	JPN	2:10.49	D. Baker				
400 I.M.	D. Baker	04-22-07	4:16.13	M. Schmidt	12-13-08	4:48.12	JPN	4:42.15	D. Baker				

Men 50-54	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
100 Free	A. Gaines	05-10-09	21.38	R. Gaines	10-18-09	23.38 USA	23.38	A. Gaines	08-09-09	24.58 JPN	24.08
500 Free	A. Gaines	05-10-09	46.59	R. Gaines	10-17-09	51.61 USA	51.61	J. Groselle	03-21-04	54.93 USA	54.94
200 Free	A. Gaines	05-10-09	1:43.76	B. Bugg	10-17-09	1:56.75 USA	1:56.75	D. Stephenson	08-13-07	2:00.34 USA	2:00.34
400/500 Free	J. McConica	05-20-01	4:47.57	J. McConica	12-10-00	4:07.99 USA	4:07.99	D. Stephenson	08-13-07	4:16.61 USA	4:16.61
800/1000 Free	J. McConica	05-17-02	9:57.78	J. McConica	12-10-00	8:44.51 USA	8:44.51	J. McConica	08-16-01	9:03.84 USA	9:03.84
1500/1650 Free	J. McConica	05-20-01	16:42.07	J. McConica	12-07-08	16:33.02 USA	16:33.02	J. McConica	08-20-00	17:08.33 USA	17:08.33
50 Back	J. Ballard	05-10-09	26.15	P. Djang	12-07-08	29.04 ESP	28.85	J. Fowler	07-26-09	29.43 USA	29.43
100 Back	W. Specht	05-10-09	56.01	T. Wolf	10-10-04	1:01.48 USA	1:01.48	J. Fowler	08-07-09	1:02.93 USA	1:02.93
200 Back	W. Specht	05-10-09	2:03.62	T. Wolf	10-10-04	2:14.03 USA	2:13.05	J. Fowler	08-06-09	2:17.74 USA	2:17.74
50 Breast	J. McDonald	05-04-08	27.39	B. Doyle	12-07-08	31.08 CAN	31.06	G. Patterson	08-08-09	30.97 USA	30.97
100 Breast	D. McKenzie	05-10-98	1:01.02	B. Doyle	12-06-08	1:08.27 USA	1:08.27	G. Patterson	08-06-09	1:09.36 USA	1:09.36
200 Breast	B. Doyle	05-10-09	2:14.87	L. Djang	02-15-09	2:32.06 USA	2:32.06	R. Colella	08-19-01	2:39.08 ITA	2:35.08
50 Fly	T. Hedrick	04-25-04	23.19	P. Carter	12-02-07	26.12 CAN	25.49	R. Carter	08-16-08	25.88 USA	25.88
100 Fly	P. Carter	04-13-08	51.93	P. Carter	12-02-07	57.29 USA	57.29	P. Carter	08-15-08	57.23 USA	57.23
200 Fly	W. Specht	03-29-09	2:00.02	W. Specht	10-17-09	2:14.49 NED	2:13.00	P. Carter	08-17-08	2:18.57 NED	2:15.06
100 I.M.	J. Groselle	05-10-09	55.42	K. Shilling	12-07-08	1:02.51 ESP	1:02.27	J. Fowler	07-25-09	2:18.05 USA	2:18.05
200 I.M.	K. Shilling	05-10-09	2:00.82	K. Shilling	12-06-08	2:14.53 USA	2:14.53	J. Fowler	07-26-09	5:04.32 ITA	5:03.27
400 I.M.	M. Mann	05-10-09	4:23.94	J. McConica	12-09-01	4:58.93 ITA	4:57.52	J. Fowler			

Men 55-59	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	R. Abrahams	04-30-00	21.82	P. Trevisan	04-01-06	24.70 USA	24.70	J. Groselle	07-07-09	25.01 USA	25.01
100 Free	R. Abrahams	04-30-00	48.37	J. Groselle	04-05-09	54.50 USA	54.50	J. Groselle	07-23-09	56.08 USA	56.08
200 Free	J. McConica	05-14-06	1:50.85	J. Groselle	10-31-09	2:03.56 USA	2:03.56	M. Mann	07-25-09	2:04.01 USA	2:04.01
400/500 Free	J. McConica	05-20-07	4:57.82	J. McConica	12-03-06	4:24.92 USA	4:24.92	M. Mann	07-26-09	4:22.49 USA	4:22.49
800/1000 Free	J. McConica	05-14-06	10:07.36	J. McConica	12-03-06	9:03.00 USA	9:03.00	M. Mann	07-24-09	9:00.09 USA	9:00.09
1500/1650 Free	J. McConica	05-20-07	17:11.12	J. McConica	10-02-05	17:14.15 USA	17:14.15	M. Mann	08-10-09	17:22.61 USA	17:22.61
50 Back	Geoff Mykleby	05-04-08	26.51	A. Cockburn	12-07-08	29.41 USA	29.41	G. Hall	08-09-09	30.09 USA	30.09
100 Back	Geoff Mykleby	04-19-09	57.34	P. Djang	05-16-09	1:04.24 USA	1:04.24	G. Hall	08-07-09	1:06.14 USA	1:06.14
200 Back	T. Spieker	04-25-04	2:07.54	J. McConica	12-04-05	2:20.59 USA	2:20.59	J. McConica	08-15-05	2:25.89 USA	2:25.89
50 Breast	T. Shead	05-04-08	27.81	R. Strand	12-09-01	32.18 NOR	32.13	J. Groselle	08-07-09	32.44 RSA	32.07
100 Breast	T. Shead	05-04-08	1:01.42	R. Strand	12-09-01	1:11.53 RSA	1:10.50	J. Groselle	07-22-09	1:12.84 RSA	1:11.13
200 Breast	T. Shead	05-04-08	2:17.00	R. Strand	12-09-01	2:38.76 SUI	2:36.90	R. Colella	08-17-08	2:38.66 USA	2:38.66
50 Fly	G. Shaw	03-25-07	24.16	G. Shaw	12-16-07	26.96 USA	26.96	G. Hall	08-06-09	26.86 USA	26.86
100 Fly	G. Shaw	03-29-09	54.09	G. Shaw	12-17-06	1:00.35 USA	1:00.35	G. Shaw	08-10-06	1:01.05 USA	1:01.05
200 Fly	G. Shaw	03-25-07	2:05.59	J. Craig	03-21-09	2:19.72 USA	2:19.72	B. Homer	08-07-09	2:18.97 USA	2:18.97
100 I.M.	T. Shead	05-04-08	56.20	G. Shaw	12-13-08	1:03.69 RSA	1:03.53	M. Mann	08-09-09	2:20.83 USA	2:20.83
200 I.M.	T. Shead	05-04-08	2:04.09	G. Shaw	12-17-06	2:21.05 USA	2:21.05	M. Mann	07-26-09	5:04.07 USA	5:04.07
400 I.M.	R. Colella	05-04-08	4:30.18	J. McConica	10-02-05	5:08.15 USA	5:08.15	M. Mann			

Men 60-64	SC-Yards	USMS	SC-Meters	Date	USMS	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	R. Abrahams	22.30	R. Abrahams	05-22-05	24.90 USA	12-03-06	24.90 USA	25.23 USA	R. Abrahams	08-10-06	25.23 USA	25.23
100 Free	R. Abrahams	49.14	R. Abrahams	05-22-05	56.63 USA	12-07-08	56.63 USA	58.61 USA	R. Abrahams	08-15-05	58.61 USA	58.61
200 Free	F. Schlicher	1:54.14	F. Schlicher	03-29-09	2:10.04 USA	12-13-08	2:10.04 USA	2:12.69 USA	F. Schlicher	06-22-08	2:12.69 USA	2:12.69
400/500 Free	P. McCormick	5:21.61	J. Calvert	05-20-07	4:43.69 GBR	05-21-05	4:40.45 GBR	4:48.25 AUS	G. Wendt	08-16-08	4:48.25 AUS	4:48.25
800/1000 Free	F. Schlicher	11:00.97	J. McCleery	03-29-09	9:58.99 GBR	02-19-06	9:58.99 GBR	10:02.40 FRA	J. Calvert	08-10-06	10:02.40 FRA	10:02.40
1500/1650 Free	J. McCleery	18:49.29	J. McCleery	05-20-07	18:50.59 USA	02-18-07	18:50.59 USA	19:07.93 USA	G. Wendt	08-14-08	19:07.93 USA	19:07.93
50 Back	H. Wilder	26.82	H. Wilder	05-04-08	30.87 USA	12-15-07	30.87 USA	31.46 USA	H. Wilder	06-02-07	31.46 USA	31.46
100 Back	H. Wilder	59.29	H. Wilder	05-04-08	1:07.37 USA	12-15-07	1:07.37 USA	1:08.77 USA	H. Wilder	06-02-07	1:08.77 USA	1:08.77
200 Back	T. Birnie	2:13.13	J. Calvert	05-10-09	2:30.96 USA	05-20-05	2:30.96 USA	2:37.20 USA	S. Heck	06-20-09	2:37.20 USA	2:37.20
50 Breast	R. Strand	29.32	R. Strand	05-14-06	32.79 USA	12-07-08	32.79 USA	33.41 USA	R. Strand	08-15-08	33.41 USA	33.41
100 Breast	R. Strand	1:05.46	R. Strand	03-26-06	1:13.33 USA	12-06-08	1:13.33 USA	1:15.42 USA	R. Strand	08-16-08	1:15.42 USA	1:15.42
200 Breast	R. Strand	2:24.68	R. Strand	05-14-06	2:43.32 USA	12-07-08	2:43.32 USA	2:50.77 USA	R. Strand	08-03-08	2:50.77 USA	2:50.77
50 Fly	R. Abrahams	24.46	R. Abrahams	05-22-05	27.87 USA	12-06-08	27.87 USA	27.92 USA	R. Abrahams	08-15-05	27.92 USA	27.92
100 Fly	R. Abrahams	54.92	R. Abrahams	05-22-05	1:03.76 USA	12-03-06	1:03.76 USA	1:03.03 USA	R. Abrahams	08-15-05	1:03.03 USA	1:03.03
200 Fly	R. Poitman	2:11.69	F. Schlicher	02-15-04	2:30.18 USA	12-13-08	2:30.18 USA	2:31.58 USA	F. Schlicher	06-22-08	2:31.58 USA	2:31.58
100 I.M.	R. Strand	1:00.10	B. Bateman	05-04-08	1:07.88 USA	12-06-08	1:07.88 USA	1:07.88 USA	F. Schlicher	06-22-08	1:07.88 USA	1:07.88
200 I.M.	F. Schlicher	2:12.67	J. Calvert	03-29-09	2:30.48 USA	05-21-05	2:30.48 USA	2:30.48 USA	F. Schlicher	06-22-08	2:30.48 USA	2:30.48
400 I.M.	F. Schlicher	4:46.68	N. Leclercq	03-29-09	5:25.65 USA	02-19-06	5:25.65 USA	5:25.65 USA	F. Schlicher	06-22-08	5:25.65 USA	5:25.65

Men 64-69	SC-Yards	USMS	SC-Meters	Date	USMS	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	J. Farrell	23.66	K. Lodwig	05-17-02	26.68 USA	12-06-08	26.68 USA	27.15 USA	J. Farrell	03-30-02	27.15 USA	27.15
100 Free	K. Lodwig	52.76	D. Quiggin	04-19-09	59.56 USA	10-17-09	59.56 USA	1:01.05 USA	D. Quiggin	06-20-09	1:01.05 USA	1:01.05
200 Free	K. Lodwig	2:00.61	D. Quiggin	05-10-09	2:15.39 USA	10-17-09	2:15.39 USA	2:18.53 USA	T. Landis	08-15-08	2:18.53 USA	2:18.53
400/500 Free	T. Landis	5:37.64	T. Landis	05-20-07	4:55.56 USA	02-18-07	4:55.56 USA	5:00.26 USA	T. Landis	03-10-07	5:00.26 USA	5:00.26
800/1000 Free	T. Landis	11:41.40	T. Landis	05-20-07	10:21.09 ITA	05-18-07	10:21.09 ITA	10:25.94 USA	T. Landis	06-10-07	10:25.94 USA	10:25.94
1500/1650 Free	T. Landis	19:16.25	T. Landis	05-20-07	19:32.78 USA	02-18-07	19:32.78 USA	20:00.97 USA	T. Landis	04-06-08	20:00.97 USA	20:00.97
50 Back	R. Burns	27.84	R. Burns	05-10-09	31.64 USA	12-07-08	31.64 USA	32.19 USA	R. Burns	08-09-09	32.19 USA	32.19
100 Back	R. Burns	1:01.04	R. Burns	05-10-09	1:10.66 USA	10-11-08	1:10.66 USA	1:11.32 USA	R. Burns	08-07-09	1:11.32 USA	1:11.32
200 Back	R. Burns	2:18.14	R. Burns	05-10-09	2:36.52 USA	11-15-08	2:36.52 USA	2:40.95 USA	R. Burns	08-06-09	2:41.76 GER	2:40.95
50 Breast	P. Andersen	30.66	L. Kronfeld	05-10-09	34.44 JPN	12-06-08	34.44 JPN	35.00 JPN	K. Frost	08-07-09	35.00 JPN	34.61
100 Breast	D. Gidea	1:08.19	D. Gidea	05-10-09	1:17.01 USA	10-11-08	1:17.01 USA	1:18.11 USA	K. Frost	08-06-09	1:18.11 USA	1:18.11
200 Breast	D. Gidea	2:35.53	K. Frost	05-10-09	2:56.37 USA	10-18-09	2:56.37 USA	2:59.54 USA	K. Frost	08-09-09	2:59.54 USA	2:59.54
50 Fly	K. Lodwig	25.99	J. Dragon	05-10-09	29.52 ESP	03-21-09	29.52 ESP	28.54 ESP	R. Poitman	08-16-08	28.68 ESP	28.54
100 Fly	K. Lodwig	1:00.91	R. Poitman	05-10-09	1:10.07 ESP	11-16-08	1:10.07 ESP	1:09.60 ESP	R. Poitman	06-06-09	1:09.60 ESP	1:08.05
200 Fly	R. Poitman	2:28.56	R. Poitman	05-03-09	2:38.71 USA	11-15-08	2:38.71 USA	2:47.60 GBR	R. Poitman	06-06-09	2:50.18 GBR	2:47.60
100 I.M.	R. Burns	1:02.26	R. Burns	05-10-09	1:10.68 USA	11-12-08	1:10.68 USA	1:11.32 USA	R. Burns	08-09-09	1:11.32 USA	1:11.32
200 I.M.	R. Burns	2:23.17	R. Burns	05-10-09	2:42.48 GER	10-16-08	2:42.48 GER	2:41.64 USA	R. Burns	08-09-09	2:43.37 USA	2:43.37
400 I.M.	R. Burns	5:13.89	R. Burns	05-10-09	5:56.22 USA	12-05-08	5:56.22 USA	6:03.31 NZL	T. Landis	06-10-07	6:03.31 NZL	5:52.79



Men 70-74	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
100 Free	J. Farrell	05-04-08	24-13	J. Farrell	12-06-08	27-70	USA	J. Farrell	07-14-07	28-53	USA
50 Free	J. Farrell	05-04-08	56-05	J. Farrell	12-02-07	1:03.33	USA	C. Cavanaugh	08-15-05	1:05-40	USA
200 Free	G. Johnston	05-20-01	2:09.57	G. Johnston	12-09-01	2:24.31	USA	D. Radcliff	08-15-08	2:26-20	USA
400/500 Free	G. Johnston	05-20-01	5:51.37	G. Johnston	03-16-02	5:09.75	USA	G. Johnston	05-04-01	5:12-05	USA
800/1000 Free	G. Johnston	05-20-01	12:19.05	G. Johnston	10-12-01	10:52.68	USA	G. Johnston	03-24-02	10:45-92	USA
1500/1650 Free	G. Johnston	05-20-01	20:29.18	G. Johnston	10-06-01	20:54.56	USA	G. Johnston	08-16-01	20:36-56	USA
50 Back	Y. Oyakawa	04-25-04	30.25	Y. Oyakawa	12-07-03	33.90	USA	Y. Oyakawa	08-17-03	35.31	USA
100 Back	Y. Oyakawa	04-25-04	1:06.83	Y. Oyakawa	11-01-03	1:15.85	NZL	Y. Oyakawa	08-08-04	1:19-12	NZL
200 Back	B. Jones	05-18-03	2:28.11	B. Jones	10-12-03	2:51.24	USA	B. Jones	08-15-05	2:48-10	NZL
50 Breast	J. Kortheuer	04-22-01	33.19	J. Farrell	12-02-07	37.26	JPN	K. Wiedmann	04-21-08	37.47	JPN
100 Breast	J. Kortheuer	04-22-01	1:15.24	R. Johnson	10-05-03	1:25.11	GER	K. Wiedmann	04-19-08	1:24-71	USA
200 Breast	K. Wiedmann	05-03-09	2:49.47	R. Johnson	10-05-03	3:12.98	GER	K. Wiedmann	04-23-08	3:07-50	AUS
50 Fly	D. Costill	03-30-08	29.17	B. Petersen	02-17-08	31.55	USA	R. Johnson	08-19-01	32.11	JPN
100 Fly	D. Costill	02-09-08	1:08.12	R. Johnson	10-14-01	1:19.51	NZL	R. Johnson	07-29-01	1:21-64	NZL
200 Fly	R. Johnson	05-17-02	2:52.99	R. Johnson	10-27-02	3:15.19	JPN	R. Johnson	08-18-01	3:20-84	NZL
100 I.M.	J. Farrell	05-04-08	1:06.94	R. Johnson	06-16-01	1:15.92	CAN	B. Jones	07-06-03	2:58-06	NZL
200 I.M.	D. Costill	02-23-08	2:29.92	B. Jones	10-26-03	2:51.73	NZL	B. Jones	08-02-03	6:32-11	NZL
400 I.M.	B. Jones	04-27-03	5:34.47	B. Jones	10-26-03	6:21.46	USA	B. Jones	08-02-03	6:32-11	NZL

Men 75-79	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	D. Radcliff	05-10-09	26.84	D. Radcliff	04-19-09	30.15	USA	D. Radcliff	07-11-09	30.28	USA
100 Free	D. Radcliff	05-10-09	58.68	D. Radcliff	04-19-09	1:05.13	USA	D. Radcliff	07-12-09	1:06.63	USA
200 Free	D. Radcliff	05-10-09	2:08.77	D. Radcliff	04-18-09	2:27.53	USA	D. Radcliff	06-06-09	2:25.66	USA
400/500 Free	D. Radcliff	05-10-09	6:05.87	D. Radcliff	04-18-09	5:15.10	USA	D. Radcliff	03-07-09	5:17.77	USA
800/1000 Free	D. Radcliff	05-10-09	12:20.59	D. Radcliff	04-17-09	10:59.10	USA	D. Radcliff	07-10-09	11:07.90	USA
1500/1650 Free	D. Radcliff	05-10-09	20:25.49	D. Radcliff	04-17-09	20:39.50	USA	D. Radcliff	07-10-09	21:03.06	USA
50 Back	Y. Oyakawa	04-19-09	32.11	Y. Oyakawa	11-16-08	35.51	USA	Y. Oyakawa	08-16-08	36.14	USA
100 Back	B. Jones	04-19-09	1:08.55	B. Jones	12-07-08	1:19.71	USA	B. Jones	06-14-09	1:20.98	USA
200 Back	B. Jones	04-19-09	2:33.73	R. Franks	04-06-02	2:58.21	USA	B. Jones	06-13-09	2:59.39	USA
50 Breast	J. Kortheuer	04-30-06	35.64	M. Sanguly	05-18-08	40.07	JPN	J. Kortheuer	06-03-06	40.38	JPN
100 Breast	J. Kortheuer	04-30-06	1:22.64	R. MacDonald	10-12-03	1:35.87	GER	J. Kortheuer	06-03-06	1:34.93	JPN
200 Breast	R. Johnson	04-01-07	3:07.20	Al Craig	11-11-03	3:29.54	JPN	R. MacDonald	08-15-04	3:32.60	JPN
50 Fly	F. Piemme	04-30-00	31.48	F. Piemme	12-10-00	34.83	FRA	F. Piemme	08-20-00	35.66	USA
100 Fly	B. Jones	02-20-09	1:16.66	R. Johnson	11-19-06	1:32.31	JPN	F. Piemme	08-20-00	1:35.81	JPN
200 Fly	B. Jones	03-29-09	3:05.76	T. Maine	11-09-02	3:39.51	JPN	A. Cerer	07-05-92	3:43.56	JPN
100 I.M.	B. Jones	02-14-09	1:11.98	B. Jones	11-23-08	1:24.23	USA	B. Jones	06-13-09	3:06.58	USA
200 I.M.	B. Jones	02-15-09	2:39.79	B. Jones	12-07-08	3:00.01	USA	B. Jones	06-14-09	6:48.48	USA
400 I.M.	B. Jones	04-19-09	5:49.90	B. Jones	12-07-08	6:52.50	USA	B. Jones	06-14-09	6:48.48	USA

Men 80-84	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	F. Piemme	04-10-05	29.25	F. Piemme	12-04-05	32.80	32.80 JPN	F. Piemme	05-22-05	33.09	32.73 GER
100 Free	F. Piemme	02-12-05	1:09.04	F. Piemme	10-04-05	1:16.19	1:16.09 JPN	F. Piemme	08-15-05	1:18.77	1:17.11 JPN
200 Free	F. Piemme	04-24-05	2:38.33	R. Taft	10-10-99	3:00.63	3:00.63 JPN	F. Piemme	08-15-05	3:04.65	2:59.28 JPN
400/500 Free	F. Piemme	04-24-05	7:17.43	R. Taft	12-12-99	6:27.60	6:27.60 JPN	F. Piemme	05-22-05	6:36.12	6:31.17 JPN
800/1000 Free	R. Taft	04-30-00	15:30.69	R. Taft	12-12-99	13:29.27	13:29.27 JPN	F. Piemme	07-09-05	14:12.89	13:39.76 AUS
1500/1650 Free	F. Piemme	04-10-05	26:01.94	R. Taft	12-12-99	25:35.01	25:35.01 USA	F. Piemme	07-09-05	26:52.76	25:59.56 JPN
50 Back	R. Taft	08-14-99	37.39	P. Hultinger	11-14-04	41.58	41.58 JPN	R. Hultinger	06-13-04	41.40	41.40 JPN
100 Back	R. Taft	04-30-00	1:24.23	P. Hultinger	03-20-04	1:33.27	1:33.27 JPN	R. Taft	08-23-99	1:35.36	1:26.97 JPN
200 Back	R. Franks	04-15-07	3:06.36	R. Taft	12-12-99	3:23.73	3:23.73 JPN	P. Hultinger	06-13-04	3:30.76	3:16.82 JPN
50 Breast	F. Piemme	03-06-05	40.31	C. Urstadt	12-07-08	45.39	45.39 JPN	C. Urstadt	08-07-09	45.77	41.68 JPN
100 Breast	R. MacDonald	04-19-09	1:30.70	F. Piemme	12-04-05	1:42.05	1:42.05 JPN	R. MacDonald	04-19-08	1:43.21	1:41.02 JPN
200 Breast	R. MacDonald	04-19-09	3:19.33	F. Piemme	11-20-05	3:47.87	3:47.87 JPN	AI Craig	06-23-07	3:47.81	3:47.81 USA
50 Fly	F. Piemme	03-06-05	35.10	F. Piemme	11-05-05	40.24	40.24 USA	F. Piemme	05-22-05	40.65	40.92 USA
100 Fly	A. Holden	05-16-99	1:30.06	F. Piemme	11-05-05	1:47.17	1:47.17 CZE	T. Maine	08-10-06	1:45.50	1:45.50 USA
200 Fly	T. Maine	04-23-06	3:25.55	T. Maine	12-02-07	3:52.41	3:52.41 USA	T. Maine	08-10-06	3:54.51	3:54.51 USA
100 I.M.	F. Piemme	03-06-05	1:22.75	F. Piemme	12-04-05	1:32.65	1:32.65 JPN	F. Piemme	08-15-05	1:32.82	1:32.82 CZE
200 I.M.	F. Piemme	04-10-05	3:10.28	R. Taft	10-10-99	3:37.04	3:37.04 GER	F. Piemme	08-10-06	3:34.94	3:34.94 CZE
400 I.M.	F. Piemme	04-10-05	6:52.79	R. Taft	12-12-99	7:37.58	7:37.58 GER	T. Maine	08-10-06	7:47.73	7:38.09 CZE
Men 85-89	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	W. Bowersock	05-16-99	32.80	W. Lamb	12-09-07	36.51	36.51 JPN	W. Bowersock	08-15-98	35.77	33.94 JPN
100 Free	J. Eubank	04-22-01	1:16.19	J. Eubank	09-16-00	1:23.20	1:23.20 JPN	J. Eubank	06-02-01	1:23.87	1:23.52 JPN
200 Free	J. Eubank	09-22-01	2:55.96	W. Lamb	12-09-07	3:12.85	3:12.85 USA	W. Lamb	08-15-08	3:16.95	3:13.78 JPN
400/500 Free	W. Lamb	01-31-09	8:06.55	W. Lamb	12-07-08	7:17.57	7:17.57 W. Lamb	W. Lamb	07-13-08	7:06.36	7:05.53 JPN
800/1000 Free	W. Lamb	01-31-09	16:58.08	W. Lamb	05-18-08	14:04.48	14:04.48 USA	W. Lamb	04-06-08	14:36.90	14:36.90 USA
1500/1650 Free	J. Schmidt	04-13-08	28:36.66	W. Lamb	01-13-08	28:17.36	28:17.36 USA	W. Lamb	04-06-08	28:35.24	28:35.24 USA
50 Back	W. Lamb	02-02-08	42.48	A. Da Rosa	10-13-02	47.34	47.34 JPN	F. Van Dyke	08-10-06	44.52	43.89 JPN
100 Back	A. Da Rosa	05-18-03	1:36.99	W. Lamb	05-18-08	1:48.34	1:48.34 JPN	W. Lamb	06-14-08	1:49.24	1:31.65 JPN
200 Back	W. Lamb	02-02-08	3:36.68	W. Lamb	05-18-08	3:55.12	3:55.12 JPN	W. Lamb	06-14-08	4:04.33	3:28.59 JPN
50 Breast	A. Da Rosa	05-18-03	43.56	P. Knap	12-15-02	50.99	50.99 JPN	W. Lamb	08-07-09	50.57	46.23 JPN
100 Breast	A. Da Rosa	05-18-03	1:42.86	A. Da Rosa	09-29-02	1:56.21	1:56.21 JPN	B. Greenberg	08-06-09	1:53.27	1:53.27 USA
200 Breast	A. Da Rosa	05-18-03	3:55.05	A. Da Rosa	10-13-02	4:16.20	4:16.20 USA	A. Da Rosa	07-13-03	4:25.31	4:22.99 JPN
50 Fly	A. Holden	04-10-05	41.99	M. Von Isser	09-26-04	43.35	43.35 USA	A. Holden	06-19-04	46.48	46.48 USA
100 Fly	A. Holden	10-16-04	1:46.01	A. Holden	11-14-04	2:01.65	2:01.65 USA	A. Holden	06-19-04	2:02.53	2:02.53 USA
200 Fly	W. Pfeiffer	05-02-99	4:30.77	W. Pfeiffer	12-13-98	4:49.10	4:49.10 USA	A. Holden	07-11-04	4:47.63	4:47.63 USA
100 I.M.	J. Schmidt	05-10-09	1:40.38	A. Holden	11-14-04	1:48.23	1:48.23 USA	A. Holden	07-15-01	1:43.14	1:43.14 USA
200 I.M.	A. Da Rosa	03-08-03	3:41.92	A. Da Rosa	09-29-02	4:07.59	4:07.59 USA	A. Cerer	07-15-01	4:13.14	4:13.14 USA
400 I.M.	J. Schmidt	04-13-08	8:36.18	W. Pfeiffer	12-13-98	9:32.65	9:32.65 USA	A. Cerer	07-15-01	9:21.90	9:21.90 USA

Men 90-94	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
100 Free	W. Bowersock	09-21-03	35.96	W. Bowersock	12-14-03	41.07 USA	41.07	W. Bowersock	06-23-03	39.19 USA	40.72
200 Free	W. Bowersock	03-21-04	1:27.26	W. Bowersock	12-14-03	1:39.26 USA	1:39.26	W. Bowersock	08-11-03	1:43.22 JPN	1:38.05
200 Free	W. Bowersock	04-25-04	3:40.64	W. Bowersock	12-14-03	3:59.28 JPN	3:39.65	W. Bowersock	08-11-03	4:10.40 JPN	3:54.89
400/500 Free	A. Newman	05-14-06	10:01.23	G. Langner	12-11-93	8:50.65 USA	8:50.65	W. Bowersock	08-11-03	9:39.37 JPN	8:13.45
800/1000 Free	A. Newman	05-14-06	20:31.68	A. Newman	12-11-05	18:49.01 SWE	18:35.25	G. Langner	08-01-93	20:13.74 JPN	17:54.42
1500/1650 Free	A. Newman	03-14-06	33:59.81	A. Newman	12-11-05	35:20.36 USA	35:20.36	G. Langner	06-22-98	36:47.02 USA	36:47.02
50 Back	J. Merrill	03-25-07	49.65	J. Merrill	12-20-07	55.25 JPN	52.49	J. Merrill	06-22-08	55.45 JPN	46.82
100 Back	J. Merrill	03-25-07	1:46.67	W. Bowersock	10-19-03	2:06.00 JPN	1:47.66	W. Bowersock	06-23-03	2:10.36 JPN	1:45.46
200 Back	J. Merrill	03-25-07	3:54.03	J. Merrill	12-14-08	4:38.42 JPN	3:59.25	J. Merrill	06-22-08	4:46.16 JPN	4:05.77
50 Breast	R. Witte	04-15-07	53.07	J. Penfield	11-15-98	1:07.22 JPN	55.68	B. Cleaveland	06-10-07	1:01.64 JPN	57.20
100 Breast	R. Witte	04-15-07	2:04.21	J. Penfield	11-15-98	2:45.20 JPN	2:15.14	B. Cleaveland	06-10-07	2:28.24 JPN	2:15.43
200 Breast	R. Witte	07-02-07	4:44.50	W. Pfeiffer	12-14-03	5:58.17 JPN	4:59.71	B. Cleaveland	08-05-07	5:55.72 JPN	5:17.47
50 Fly	W. Pfeiffer	03-21-04	50.44	W. Pfeiffer	10-19-03	56.09 USA	56.09	W. Pfeiffer	08-11-03	1:00.30 USA	1:00.30
100 Fly	W. Pfeiffer	03-21-04	2:13.93	W. Pfeiffer	10-19-03	2:21.82 USA	2:21.82	W. Pfeiffer	08-11-03	2:31.03 USA	2:31.03
200 Fly	W. Pfeiffer	05-02-04	5:08.18	W. Pfeiffer	10-19-03	5:37.23 USA	5:37.23	W. Pfeiffer	08-11-03	5:51.79 USA	5:51.79
100 I.M.	W. Pfeiffer	05-02-04	2:05.12	W. Pfeiffer	12-14-03	2:14.23 JPN	2:08.86	W. Pfeiffer	08-11-03	5:12.11 JPN	5:02.64
200 I.M.	W. Pfeiffer	03-21-04	4:39.98	W. Pfeiffer	12-14-03	5:13.24 USA	5:13.24	W. Pfeiffer	08-11-03	11:19.91 USA	11:19.91
400 I.M.	W. Pfeiffer	05-02-04	10:10.57	W. Pfeiffer	10-19-03	11:15.65 USA	11:15.65	W. Pfeiffer	08-11-03		

Men 95-99	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	G. Langner	01-10-99	51.31	G. Langner	10-14-98	57.57 JPN	55.08	G. Langner	08-02-98	55.88 USA	55.88
100 Free	G. Langner	01-10-99	2:04.54	G. Langner	10-11-98	2:19.51 JPN	2:09.32	G. Langner	08-23-98	2:29.32 JPN	2:17.59
200 Free	G. Langner	01-10-99	4:35.70	G. Langner	10-11-98	5:13.46 USA	5:13.46	G. Langner	08-23-98	5:13.23 USA	5:13.23
400/500 Free	G. Langner	01-10-99	12:17.44	G. Langner	10-11-98	10:51.93 USA	10:51.93	G. Langner	08-23-98	11:30.53 USA	11:30.53
800/1000 Free	G. Langner	04-02-00	30:05.25	G. Langner	10-11-98	22:05.55 USA	22:05.55	G. Langner	08-23-98	22:28.28 USA	22:28.28
1500/1650 Free	G. Langner	04-02-00	60:05.25	G. Langner	10-11-98	41:29.87 USA	41:29.87	G. Langner	08-23-98	47:30.40 USA	47:30.40
50 Back	T. Lane	07-08-89	1:08.20	G. Langner	10-11-98	1:27.67 JPN	1:01.25	T. Lane	08-20-89	1:18.91 JPN	1:03.32
100 Back	T. Lane	05-17-92	3:05.81	G. Langner	10-14-98	3:38.07 JPN	2:23.12	G. Weisenthal	08-09-08	3:04.37 JPN	2:31.61
200 Back	G. Langner	03-27-99	1:27.55	G. Langner	10-14-98	8:32.34 GBR	6:18.51	G. Weisenthal	08-09-08	6:38.69 USA	6:38.69
50 Breast	G. Langner	03-27-99	3:04.31	G. Langner	10-11-98	1:31.60 JPN	1:22.80	G. Langner	08-23-98	1:26.61 JPN	1:26.15
100 Breast	G. Langner	03-27-99	7:29.31	G. Langner	10-11-98	3:35.33 CAN	3:24.92	G. Langner	08-02-98	3:38.45 CAN	3:36.50
200 Breast	G. Langner	03-27-99	15:58.61	G. Langner	12-16-98	7:29.31 USA	7:29.31	G. Langner	08-02-98	7:37.17 USA	7:37.17
50 Fly	W. Pfeiffer	10-05-08	49.65	W. Pfeiffer	10-05-08	6:04.41 USA	6:04.41	W. Pfeiffer	06-01-08	2:01.41 USA	2:01.41
100 Fly	G. Langner	10-11-98	3:33.98	G. Langner	10-11-98	3:33.98 USA	3:33.98	W. Pfeiffer	06-01-08	8:55.97 USA	8:55.97
200 Fly	W. Pfeiffer	10-05-08	9:50.55	W. Pfeiffer	10-05-08	21:03.17 USA	21:03.17	W. Pfeiffer	06-01-08	17:29.20 USA	17:29.20
100 I.M.	W. Pfeiffer	10-05-08	21:03.17	W. Pfeiffer	10-05-08			W. Pfeiffer	06-01-08		
200 I.M.	W. Pfeiffer	10-05-08	44:05.25	W. Pfeiffer	10-05-08			W. Pfeiffer	06-01-08		
400 I.M.	W. Pfeiffer	10-05-08	1:04:05.25	W. Pfeiffer	10-05-08			W. Pfeiffer	06-01-08		

Men 100-104	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
50 Free	T. Lane	06-25-94	1:31.03	T. Lane	09-30-95	2:06.66	1:16.92	T. Lane	07-09-94	1:40.46	1:40.46
100 Free	T. Lane	06-25-94	3:21.86	T. Lane	09-30-95	4:32.29	3:02.22	T. Lane	07-09-94	4:05.98	4:05.98
200 Free	T. Lane	06-25-94	6:56.32								
400/500 Free											
800/1000 Free											
1500/1650 Free											
50 Back				T. Lane	09-30-95	2:02.52	1:45.59	T. Lane	07-09-94	1:50.73	1:50.73
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.											



200 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	LC-Meters	Date	USMS	World
18+72-99	San Diego	05-18-03	1:36.25	New England	12-12-99	1:54.83	DCAC	08-20-00	1:59.26	World	08-20-00	1:59.26	World
25+100-119	SMU Masters	05-18-03	1:35.40	Michigan	03-31-96	1:45.93	Oregon	08-23-92	1:52.47	World	08-23-92	1:52.47	World
35+120-159	Rocky Mtn	05-18-03	1:36.90	San Diego	11-09-96	1:48.99	Illinois	08-15-04	1:50.94	World	08-15-04	1:50.94	World
45+160-199	NEW	04-07-02	1:43.32	San Diego	10-08-03	1:53.36	Team TYR	08-08-06	1:48.44	World	08-08-06	1:48.44	World
55+200-239	Plano Wetcats	05-10-09	1:54.54	New England	12-05-04	1:58.64	PNA	08-08-06	1:57.21	World	08-08-06	1:57.21	World
65+240-279	Gold Coast	05-21-95	2:17.37	DC Masters	03-25-00	2:19.96	PNA	08-16-08	2:13.33	World	08-16-08	2:13.33	World
75+280-319	FACT	03-29-09	2:58.48	Arizona	12-12-04	2:44.58	New England	08-11-96	2:38.52	World	08-11-96	2:38.52	World
85+320-359				FL Mavericks	10-13-02	3:25.71	Virginia	08-08-09	3:27.23	World	08-08-09	3:27.23	World
95+360-399													
200 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	LC-Meters	Date	USMS	World
18+72-99	Sierra Nevada	05-20-01	1:49.10	Walnut Creek	10-17-09	2:07.15	Univ San Fran	08-23-92	2:12.69	World	08-23-92	2:12.69	World
25+100-119	SMU	05-04-08	1:45.01	San Diego	12-10-95	2:05.66	HOLMES	08-28-98	2:08.27	World	08-28-98	2:08.27	World
35+120-159	Colorado	05-14-06	1:48.51	San Diego	12-11-94	2:05.97	GOLD	08-23-98	2:04.19	World	08-23-98	2:04.19	World
45+160-199	NEW	04-07-02	1:57.99	San Diego	10-05-03	2:04.61	Team TYR	08-17-06	2:04.75	World	08-17-06	2:04.75	World
55+200-239	Plano Wetcats	05-10-09	2:13.28	Oregon	11-20-05	2:16.23	Oregon	08-17-08	2:10.98	World	08-17-08	2:10.98	World
65+240-279	Virginia	04-24-05	2:35.40	Oregon	02-17-08	2:41.53	San Diego	08-08-06	2:33.52	World	08-08-06	2:33.52	World
75+280-319	FACT	03-29-09	3:15.12	Arizona	12-12-04	3:01.44	Arizona	08-15-05	3:09.93	World	08-15-05	3:09.93	World
85+320-359				FL Mavericks	10-13-02	4:13.67	FACT	03-21-09	3:47.69	World	03-21-09	3:47.69	World
95+360-399													
400 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	LC-Meters	Date	USMS	World
18+72-99	Red Tide NYC	03-23-09	3:39.39	Walnut Creek	10-17-09	4:11.00	Santa Clara	05-28-95	4:31.84	World	05-28-95	4:31.84	World
25+100-119	Walnut Creek	04-15-07	3:37.32	New England	12-07-01	4:09.95	Woodlands	07-19-93	4:19.02	World	07-19-93	4:19.02	World
35+120-159	Tenn/ILL Mistis	04-07-02	3:45.16	Red Tide	11-09-98	4:22.75	Stanford	08-08-09	4:17.80	World	08-08-09	4:17.80	World
45+160-199	NEW	03-30-08	4:30.94	Gold Coast	08-22-08	4:28.84	PNA	08-08-09	4:34.90	World	08-08-09	4:34.90	World
55+200-239	SLAM	03-30-08	5:19.35	Tampa/Paris	10-17-09	4:56.63	DC Masters	08-01-99	5:23.71	World	08-01-99	5:23.71	World
65+240-279	Virginia	04-13-08	5:19.35	FL Maverick	10-13-02	6:20.44	Virginia	08-08-09	5:53.62	World	08-08-09	5:53.62	World
75+280-319	Walnut Creek	04-19-09	6:45.43	FL Maverick	11-18-07	8:45.29	FMMI	01-13-02	8:57.69	World	01-13-02	8:57.69	World
85+320-359													
95+360-399													
400 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	LC-Meters	Date	USMS	World
18+72-99	Terrapin	04-04-04	4:03.73	Metro	11-21-04	4:42.04	NOVA	08-11-02	4:57.34	World	08-11-02	4:57.34	World
25+100-119	SMU Masters	03-30-08	4:02.73	San Diego	11-02-97	4:41.95	Walnut Creek	08-08-09	4:56.59	World	08-08-09	4:56.59	World
35+120-159	San Diego	04-27-03	4:07.99	Carroll	04-06-02	4:35.13	Illinois	08-08-09	4:38.95	World	08-08-09	4:38.95	World
45+160-199	Walnut Creek	04-13-08	4:05.94	San Diego	02-18-96	4:05.21	San Diego	08-28-01	5:16.35	World	08-28-01	5:16.35	World
55+200-239	SLAM	03-30-08	5:04.64	San Diego	03-01-01	6:09.41	Woodlands	07-18-09	6:03.97	World	07-18-09	6:03.97	World
65+240-279	Virginia	04-24-06	8:34.61	DC Masters	12-12-04	6:54.56	Virginia	08-23-08	7:01.96	World	08-23-08	7:01.96	World
75+280-319	Walnut Creek	02-22-98	8:44.42	Affinity	10-16-97	10:12.19	FMMI	01-13-02	10:19.75	World	01-13-02	10:19.75	World
85+320-359				Walnut Creek									
95+360-399													
800 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	SC-Meters	Date	USMS	LC-Meters	Date	USMS	World
18+72-99	Red Tide NYC	03-23-09	7:55.34	Terrapin	11-14-04	9:11.28	UC Irvine	08-05-01	9:56.67	World	08-05-01	9:56.67	World
25+100-119	Walnut Creek	04-14-96	7:59.38	San Diego	12-10-95	9:16.40	Walnut Creek	08-08-09	9:50.91	World	08-08-09	9:50.91	World
35+120-159	San Diego	04-27-03	8:00.23	San Diego	11-09-96	9:05.72	Gold Coast	08-04-06	9:41.97	World	08-04-06	9:41.97	World
45+160-199	Walnut Creek	04-13-08	8:39.13	San Diego	12-15-98	9:27.59	MOIST	08-04-06	9:51.60	World	08-04-06	9:51.60	World
55+200-239	SLAM	03-30-08	1:02.85	Gold Coast	05-22-08	9:57.07	Gold Coast	09-23-09	10:05.40	World	09-23-09	10:05.40	World
65+240-279	Virginia	04-13-08	12:03.97	San Diego	12-02-03	13:22.53	San Diego	08-08-06	13:36.64	World	08-08-06	13:36.64	World
75+280-319	Walnut Creek	04-13-08	15:39.43	San Diego	11-04-01	18:23.47	Virginia	01-13-02	19:29.28	World	01-13-02	19:29.28	World
85+320-359				Walnut Creek									
95+360-399													

200 Free Relay	SC-Yards	SC-Meters	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+172-99	Michigan	123.47	03-29-09	1:23.47	Davis Aquatic	12-10-95	1:35.63	1:33.28	FLAQ	08-13-07	1:40.10	1:33.32
25+100-119	Olympic Club	122.06	05-18-03	1:22.06	El Seguinto	12-14-97	1:35.70	1:35.70	Olympic Club	08-08-06	1:35.57	1:34.82
35+120-159	Rocky Mt.	124.05	04-25-04	1:24.05	Garbain State	12-08-07	1:35.56	1:34.92	SCAQ	07-26-09	1:35.72	1:34.82
45+160-199	Arizona	127.70	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	132.18	04-11-09	1:32.18	Coloniats1776	12-07-03	1:40.71	1:40.71	Colorado	08-08-06	1:38.24	1:38.24
65+240-279	San Diego	140.07	05-10-09	1:40.07	Gold Coast	10-17-09	1:49.69	1:49.69	Oregon	08-16-08	1:45.90	1:45.90
75+280-319	San Diego	2:05.89	04-26-09	2:05.89	SDSM	12-06-08	2:00.82	2:00.82	GOLD	06-21-09	1:59.60	1:59.60
85+320-359	Team Texas	3:38.91	11-21-99	3:38.91	Coast Masters	12-03-06	2:25.21	2:20.85	Oregon	07-08-07	2:30.08	2:20.89
95+360-399	Team Texas	3:38.91	11-21-99	3:38.91	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	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+172-99	Michigan	131.43	03-29-09	1:31.43	S Cal Aquatic	12-14-97	1:54.20	1:43.12	Olympic Club	08-27-95	1:49.95	1:44.60
25+100-119	Lone Star	134.16	05-16-09	1:34.16	El Seguinto	12-14-97	1:45.73	1:43.03	Olympic Club	08-08-06	1:48.23	1:45.98
35+120-159	Longhorn	138.90	05-10-09	1:38.90	Baylor/L Star	11-16-08	1:45.13	1:45.13	Michigan	08-08-06	1:47.72	1:47.72
45+160-199	Oregon	145.32	04-11-09	1:45.32	N Carolina	03-24-07	1:53.93	1:52.43	Colorado	08-08-06	1:50.83	1:50.83
55+200-239	San Diego	151.58	05-10-09	1:51.58	Oregon	11-19-06	2:03.09	2:03.09	Oregon	07-11-09	2:04.44	2:04.44
65+240-279	San Diego	2:31.71	05-10-09	2:31.71	San Diego	12-06-08	2:15.49	2:15.49	San Diego	08-09-09	2:16.74	2:16.74
75+280-319	Team Texas	3:46.43	11-21-99	3:46.43	SDSM	12-03-06	3:00.48	2:50.63	Fla. Maverick	08-17-03	3:00.89	2:52.80
85+320-359	Team Texas	3:46.43	11-21-99	3:46.43	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	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+172-99	NYC Hydras	3:10.28	03-25-07	3:10.28	FINS	05-22-08	3:40.78	3:40.78	Greater Indiana	07-18-99	3:42.66	3:42.66
25+100-119	Team TYR	3:07.75	04-24-05	3:07.75	New England	07-21-06	3:35.63	3:35.63	Santa Clara	05-29-94	3:39.63	3:39.63
35+120-159	Maline Masters	3:03.71	05-18-09	3:03.71	Davis Aquatic	12-10-95	3:36.23	3:40.32	Michigan	09-28-98	3:34.63	3:34.63
45+160-199	Gold Coast	3:05.92	03-18-09	3:05.92	Gold Coast	12-07-03	3:39.69	4:04.24	SCAQ	08-08-09	3:56.49	3:56.49
55+200-239	Team Texas	4:05.92	04-01-01	4:05.92	Coloniats1776	05-27-03	4:04.88	5:10.15	OHI/O	08-08-09	4:16.06	4:16.06
65+240-279	Illinois	4:57.61	05-03-08	4:57.61	Gold Coast	11-20-05	4:52.37	6:44.11	GOLD	03-15-08	4:45.42	4:45.42
75+280-319	Illinois	4:57.61	05-03-08	4:57.61	San Diego	12-02-07	5:40.37	5:40.37	San Diego	08-05-07	5:52.37	5:52.37
85+320-359	Illinois	4:57.61	05-03-08	4:57.61	Coast Masters	12-02-07	11:09.64	10:43.13	Coast Masters	08-05-07	10:43.13	10:43.13
400 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+172-99	U of San Fran	3:34.08	04-26-92	3:34.08	FINS	05-22-08	3:58.83	3:58.83	Greater Indiana	07-18-99	4:11.46	4:11.46
25+100-119	ANCM	3:27.13	03-12-00	3:27.13	New England	07-21-06	3:54.64	3:54.64	New England	10-10-04	4:07.97	4:07.97
35+120-159	Longhorn Aqu.	3:28.46	03-05-09	3:28.46	New England	12-09-01	3:59.40	3:59.40	Michigan	08-08-09	4:00.06	4:00.06
45+160-199	NCMS	3:42.85	05-02-04	3:42.85	Longhorn	11-15-08	3:50.93	4:11.72	Arizona Masters	08-04-06	4:11.72	4:11.72
55+200-239	Nentura	4:05.30	04-22-07	4:05.30	YSM	12-09-07	4:22.84	5:10.15	N Carolina	08-19-07	4:28.90	4:28.90
65+240-279	Virginia	6:01.35	04-26-09	6:01.35	Nentura	12-31-05	5:17.89	5:17.89	N Carolina	06-01-06	5:29.45	5:29.45
75+280-319	San Diego	6:01.35	04-26-09	6:01.35	San Diego	12-02-07	6:58.99	6:58.99	Coast Masters	07-25-98	7:34.29	7:34.29
85+320-359	San Diego	6:01.35	04-26-09	6:01.35	San Diego	12-02-07	12:59.05	12:59.05	Coast Masters	08-05-07	12:59.05	12:59.05
95+360-399	San Diego	6:01.35	04-26-09	6:01.35	San Diego	12-02-07	12:59.05	12:59.05	Coast Masters	08-05-07	12:59.05	12:59.05
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+172-99	DAM	7:05.96	04-04-04	7:05.96	DAM	10-24-04	8:34.91	8:34.91	Greater Indiana	07-18-99	8:28.72	8:28.72
25+100-119	Santa Clara	6:56.25	04-17-94	6:56.25	Davis Aquatic	12-10-95	7:57.87	8:04.17	Santa Clara	05-29-94	8:04.17	8:04.17
35+120-159	Team TYR	7:26.59	05-04-07	7:26.59	DCAC	10-13-96	8:01.80	9:07.91	SCAQ	07-25-09	8:03.21	8:03.21
45+160-199	MESC	8:11.61	02-14-09	8:11.61	Ventura County	12-09-01	8:05.09	10:06.61	Team TYR	07-16-06	8:15.15	8:15.15
55+200-239	Ventura	9:45.84	04-22-07	9:45.84	Santa Rosa	10-10-08	8:31.85	8:33.40	Arizona	08-08-09	8:45.06	8:45.06
65+240-279	Oregon	11:03.44	05-02-04	11:03.44	Ventura	12-06-08	10:38.95	10:38.95	Oregon	07-13-03	10:41.00	10:41.00
75+280-319	Illinois	11:03.44	05-02-04	11:03.44	MCA Indy	10-23-08	14:16.27	14:16.27	SOLD	03-16-08	14:37.80	14:37.80
85+320-359	Illinois	11:03.44	05-02-04	11:03.44	San Diego	12-04-05	14:16.27	14:16.27	Coast Masters	08-05-07	14:37.80	14:37.80
95+360-399	Illinois	11:03.44	05-02-04	11:03.44	San Diego	12-04-05	14:16.27	14:16.27	Coast Masters	08-05-07	14:37.80	14:37.80



200 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+72-99	Curli/Burke	04-15-07	1:29.36	Olympic Club	10-15-95	1:43.33		CSAM	07-26-09	1:47.94	
25+100-119	S. Cal Aquatic	05-21-90	1:29.40	El Segundo	12-14-97	1:41.82	1:41.55	Olympic Club	08-08-98	1:43.30	1:41.66
35+120-159	Rocky Mtn	04-25-04	1:30.17	El Segundo	12-10-00	1:41.37	1:41.47	Gold	08-23-98	1:42.65	1:42.44
45+160-199	Arizona	05-04-08	1:34.08	San Diego	11-09-96	1:47.38	1:44.28	Team TYR	08-06-06	1:42.27	1:42.77
55+200-239	Tamalpais	05-10-09	1:43.40	Ohio Masters	04-05-09	1:48.74	1:48.74	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	Gold Coast	08-10-08	1:56.99	1:56.99
75+280-319	FMM	04-29-01	2:35.78	San Diego	12-02-07	2:15.63	2:10.44	San Diego	07-29-07	2:17.43	2:15.88
85+320-359	FMM	02-15-04	4:22.87	Santa Barbara	11-06-04	2:51.05	4:13.19	Santa Barbara	08-01-04	2:56.56	2:37.10
95+360-399								Coast Barbara	08-11-03	5:26.80	4:18.13
200 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+72-99	Curli/Burke	04-15-07	1:40.03	New England	12-12-99	1:57.66		Univ. San Fran	08-23-92	2:02.31	
25+100-119	Curli/Burke	05-04-08	1:38.29	Arizona	06-26-04	1:52.78	1:51.86	Houstonian Club	08-20-90	1:56.50	1:51.99
35+120-159	Colorado	05-04-08	1:40.09	El Segundo	12-10-00	1:53.02	1:52.32	Dallas Aquat	08-16-08	1:54.81	1:54.81
45+160-199	Arizona	05-04-08	1:44.02	Metro	07-21-06	1:59.82	1:55.25	Team TYR	08-10-06	1:58.35	1:56.86
55+200-239	Tamalpais	05-10-09	1:56.84	Oreg	11-19-06	2:01.94	2:01.94	SDSM	08-15-05	2:02.32	2:02.32
65+240-279	San Diego	05-10-09	2:06.22	Tamalpais	10-11-09	2:10.34	2:10.34	Tamalpais	08-08-09	2:09.06	2:09.06
75+280-319	Walnut Creek	05-10-09	2:46.58	Tamalpais	12-02-07	2:37.71	2:25.50	Oregon	08-16-08	2:34.68	2:26.90
85+320-359	FMM	02-15-04	4:54.53	Fl Mavericks	10-12-03	3:26.35	3:13.26	FLA Maverick	08-18-02	3:33.41	3:15.58
95+360-399				Coast Mstrs	10-19-03	5:12.04	5:12.04				
400 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+72-99	NEM	04-07-02	3:25.12	Metropolitan	12-11-04	3:53.00		CSAM	07-25-09	3:56.54	
25+100-119	Olympic Club	04-04-04	3:26.90	Burrillville	10-13-02	3:49.96		SCAQ	07-28-09	3:59.81	
35+120-159	Virginia	03-15-08	3:28.42	S. Cal Aquatics	12-07-08	3:54.16		Walnut Creek	07-28-91	4:01.94	
45+160-199	Walnut Creek	04-13-08	3:34.92	San Diego	11-09-96	3:57.84		SCAQ	07-05-09	3:58.05	
55+200-239	Illinois	03-25-07	4:09.90	San Diego	12-07-03	4:10.72		Oregon	06-03-06	4:13.62	
65+240-279	Virginia	04-13-08	4:36.77	Tamalpais	10-11-08	4:24.41		Gold Coast	08-10-08	4:30.74	
75+280-319	Walnut Creek	08-13-08	6:30.80	SDSM	06-08-08	5:26.02		Oregon	07-13-08	5:24.15	
85+320-359				San Diego	02-18-01	6:57.44		Santa Barbara	08-01-04	6:56.05	
95+360-399											
400 Medley Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+72-99	Red Tide NYC	03-29-09	3:41.71	Terrapin	12-08-02	4:22.07		CSAM	07-25-09	4:35.26	
25+100-119	ANCM	04-20-02	3:46.98	New England	12-15-02	4:16.98		Walnut Creek	07-22-90	4:36.14	
35+120-159	Oregon	04-02-09	4:06.80	New England	06-09-07	4:25.14		PAC	08-01-04	4:29.07	
45+160-199	Terrapin	04-19-09	4:22.80	Oregon	11-14-04	4:36.34	5:07.82	N. Carina	06-10-08	4:41.46	
55+200-239	Terrapin	04-01-07	5:20.49	Tamalpais	12-03-06	5:03.87		Oregon	08-08-09	4:51.95	
65+240-279	San Diego	04-19-09	7:11.28	Tamalpais	12-07-08	5:54.80		Tamalpais	06-14-08	6:03.51	
75+280-319	Walnut Creek			San Diego	12-02-07	7:38.85		FMM	06-13-09	7:45.92	
85+320-359											
95+360-399											
800 Free Relay	SC-Yards	Date	USMS	SC-Meters	Date	USMS	World	LC-Meters	Date	USMS	World
18+72-99	NEM	04-07-02	7:39.06	Terrapin	12-07-03	8:51.55		CSAM	07-25-09	8:55.39	
25+100-119	Illinois Mstr	04-04-04	7:25.46	New England	12-17-06	8:29.16		SCAQ	07-25-09	8:39.99	
35+120-159	Walnut Creek	04-17-05	7:24.35	San Diego	12-06-08	8:43.86	8:40.57	Patriot	06-23-09	8:50.48	
45+160-199	Walnut Creek	04-16-09	8:51.35	Walnut Creek	11-19-09	9:46.82	10:26.82	Oregon	07-11-09	9:02.03	
55+200-239	San Diego	04-19-07	10:36.77	New England	16-13-02	9:11.94		Sarasota YMCA	07-18-09	10:32.94	
65+240-279	San Diego	04-19-09	12:18.74	Tamalpais	12-06-08	9:34.91		SLA Region	07-18-09	10:33.76	
75+280-319	Walnut Creek			San Diego	02-18-01	11:58.58		San Diego	08-08-09	12:08.81	
85+320-359						16:00.93		San Diego	08-05-07	14:44.35	
95+360-399											

18-24	Women		Year	Record	Men		Year	Record
1 hour postal	Sarabeth	Schweitzer	2000	5550 Y	Robert J	Margalis	2007	6135 Y
5K postal	Jodi	Jackson	2000	1:04:53.75	Josh	Skube	1999	1:05:10.62
10K postal	Miriam	Carlson	2001	2:19:19.80	Steven	Cohen	1993	2:11:58.09
3000 Y postal	Amanda	Beard	2001	32:26.99	Scott	Whitbeck	2005	30:10.37
6000 Y postal	Sasha	Taylor	2003	1:10:00.61	Craig	Charley	2003	1:08:27.18
1-mile cable	Abby	Nunn	2009	20:02.38	Jim	Barber	1983	21:20.86
2-mile cable	Abby	Nunn	2009	40:39.67	Justin	Chiles	2006	42:00.81
25-29	Women		Year	Record	Men		Year	Record
1 hour postal	Lisa	Hazen	1994	5560 Y	Daniel	Veatch	1994	6115 Y
5K postal	Grace	Cornelius	2001	1:05:38.54	Jerrold	Kappler	2005	1:02:25.71
10K postal	Sara	Quan	2001	2:14:58.59	Mike	Volk	1989	2:04:50.00
3000 Y postal	Ashley	Whitney	2005	32:25.21	Chip	Hobson	1996	31:57.00
6000 Y postal	Sara	Quan	2000	1:10:44.87	Michael D.	Collins	1995	1:09:01.99
1-mile cable	Tobie	Smith	2003	20:21.99	Donald M.	Winant	1981	20:50.81
2-mile cable	Tobie	Smith	2003	39:51.99	John	Pearson	1992	39:36.39
30-34	Women		Year	Record	Men		Year	Record
1 hour postal	Lisa	Hazen	1995	5625 Y	Bob-Blake	Placak-Porch	90-03	5750 Y
5K postal	Nadine	Day	2003	1:04:24.99	Jeff	Erwin	1996	59:53.17
10K postal	Jessica	Knapp	2009	2:15:56.36	Bobby	Patten	1993	2:03:08.74
3000 Y postal	Laureen	Welting	2000	33:42.51	Jeff	Erwin	1996	31:15.24
6000 Y postal	Nadine	Day	2003	1:08:51.32	Todd	Clark	1998	1:04:58.25
1-mile cable	Sidney	Swayman-Thoms	1984	21:27.07	James D.	Allen	2001	20:39.99
2-mile cable	Deborah	Reed Sengewalt	2002	41:05.48	James	Kegley	1988	38:32.00
35-39	Women		Year	Record	Men		Year	Record
1 hour postal	Alison	Zamanian	2006	5525 Y	Mike	Shaffer	2003	5905 Y
5K postal	Karlynn	Pipes-Neilsen	1999	1:03:28.06	Jeff	Erwin	2003	58:11.13
10K postal	Suzanne	Heim	1996	2:14:08.75	Mike	Shaffer	2003	2:00:39.67
3000 Y postal	Karlynn	Pipes-Neilsen	1999	32:54.57	Mike	Shaffer	2002	30:16.43
6000 Y postal	Karlynn	Pipes-Neilsen	1998	1:09:11.14	Mike	Shaffer	2003	1:02:06.74
1-mile cable	Jill	Gellatly	2003	22:20.99	James D.	Allen	2002	20:56.99
2-mile cable	Dana	Woody	2005	42:06.00	Robbie	Allen	2002	41:11.49
40-44	Women		Year	Record	Men		Year	Record
1 hour postal	Susan	Preston	2006	5550 Y	Mike G	Shaffer	2009	5910 Y
5K postal	Karlynn	Pipes-Neilsen	2003	1:02:53.42	Jeff	Erwin	2005	58:23.56
10K postal	Susan	Preston	2005	2:12:19.31	Jim	Barber	2003	2:03:06.33
3000 Y postal	Karlynn	Pipes-Neilsen	2003	33:18.69	Jeff	Erwin	2004	30:31.55
6000 Y postal	Karlynn	Pipes-Neilsen	2002	1:08:48.67	Jeff	Erwin	2005	1:01:37.11
1-mile cable	Sally	Maddox	2001	23:29.99	Chris	Stevenson	2008	20:16.84
2-mile cable	Barbara	Dunbar	1990	43:06.00	Chris	Stevenson	2009	41:03.05
45-49	Women		Year	Record	Men		Year	Record
1 hour postal	Susan	Preston	2008	5550 Y	Gerry	Rodrigues	2008	5575 Y
5K postal	Suzanne	Heim-Bowen	2004	1:04:26.97	Jeff	Erwin	2009	1:00:25.14
10K postal	Karen	Einsidler	2002	2:19:42.34	James	Stewart	2004	2:13:47.24
3000 Y postal	Ellen	Reynolds	2009	34:15.87	Jim	McConica	2000	31:10.18
6000 Y postal	Susan	Preston	2007	1:04:49.19	Jeff	Erwin	2009	1:03:46.09
1-mile cable	Danielle	Ogier	2001	23:17.99	Larry	Wood	2001	21:11.99
2-mile cable	Danielle	Ogier	2001	45:43.35	Neil	Brohpy	2009	41:14.71
50-54	Women		Year	Record	Men		Year	Record
1 hour postal	Laura	Val	2005	5130 Y	Jim	McConica	2002	5620 Y
5K postal	Suzanne	Heim-Bowen	2008	1:05:30.86	Jim	McConica	2003	1:00:53.84
10K postal	Suzanne	Heim-Bowen	2008	2:16:14.51	Jim	McConica	2004	2:05:55.37
3000 Y postal	Danielle	Ogier	2003	36:33.58	Jim	McConica	2001	31:37.55
6000 Y postal	Barbara	Dunbar	2002	1:15:44.35	Jim	McConica	2003	1:05:05.26
1-mile cable	Barbara	Dunbar	2001	22:08.99	Jim	McFarland	2009	21:52.28
2-mile cable	Barbara	Dunbar	2000	44:56.43	Jim	McConica	2004	42:06.00
55-59	Women		Year	Record	Men		Year	Record
1 hour postal	Laura B	Val	2007	4940 Y	Jim	McConica	2007	5440 Y
5K postal	Barbara	Dunbar	2004	1:11:37.33	Jim	McConica	2006	1:03:20.98
10K postal	Barbara	Dunbar	2004	2:29:21.48	Jim	McConica	2006	2:10:48.23
3000 Y postal	Barbara	Dunbar	2004	36:25.69	Jim	McConica	2006	32:31.77
6000 Y postal	Barbara	Dunbar	2004	1:14:10.46	Jim	McConica	2006	1:07:42.85
1-mile cable	Shirley	Loftus-Charley	2009	24:23.65	Terry	Laughlin	2006	24:13.66
2-mile cable	Barbara	Dunbar	2004	46:23.20	Michael	McCaffery	2008	44:35.55

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APPENDIX A

OW&LD Individual Records

60-64		Women	Year	Record	Men	Year	Record
1 hour postal	Barbara Dunbar		2009	4460 Y	Fred J Schlichter	2009	5075 Y
5K postal	Barbara Dunbar		2009	1:15:42.56	Steve Johnson	2008	1:08:35.47
10K postal	Ann Svenson		2009	3:07:42.74	Steve Johnson	2009	2:27:56.79
3000 Y postal	Barbara Dunbar		2009	39:00.83	Steve Johnson	2008	35:47.04
6000 Y postal	Barbara Dunbar		2009	1:21:33.83	Steve Johnson	2008	1:13:22.02
1-mile cable	Andrea Hunt		2009	28:04.67	Willis Braswell	2009	24:24.93
2-mile cable	Barbara Dunbar		2009	47:32.05	C W Muter	2005	47:47.00
65-69		Women	Year	Record	Men	Year	Record
1 hour postal	Lavelle Stoinoff		1999	4135 Y	Tom Landis	2008	4680 Y
5K postal	Lavelle Stoinoff		1998	1:24:41.84	Graham Johnston	1996	1:12:17.40
10K postal	Betsy Jordan		2002	3:13:22.48	Larry Raffaelli	2009	2:34:18.06
3000 Y postal	Susan S Munn		2003	45:42.24	Graham Johnston	1996	37:16.16
6000 Y postal	Betsy Jordan		2002	1:37:48.80	Graham Johnston	1997	1:18:14.25
1-mile cable	Betsy Durrant		2009	31:01.75	Graham Johnston	1997	22:57.70
2-mile cable	Betsy Jordan		2002	1:00:54.20	Graham Johnston	1999	50:15.26
70-74		Women	Year	Record	Men	Year	Record
1 hour postal	Lavelle Stoinoff		2003	3960 Y	Graham Johnston	2002	4515 Y
5K postal	Adrienne Pipes		2004	1:34:53.71	Graham Johnston	2002	1:15:39.02
10K postal	Adrienne Pipes		2005	3:18:11.35	Graham Johnston	2001	2:52:22.00
3000 Y postal	Lavelle Stoinoff		2004	45:35.99	Graham Johnston	2001	38:17.10
6000 Y postal	Adrienne Pipes		2005	1:39:55.23	Graham Johnston	2001	1:19:56.14
1-mile cable	Nancy Brown		2008	32:40.49	Graham Johnston	2001	23:23.99
2-mile cable	Nancy Brown		2006	1:00:33.65	Graham Johnston	2002	48:19.50
75-79		Women	Year	Record	Men	Year	Record
1 hour postal	Margery Meyer		1998	3400 Y	Graham Johnston	2007	4125 Y
5K postal	Lois Kivi Nochman		2000	1:54:31.32	David Radcliff	2009	1:16:36.73
10K postal	Lois Kivi Nochman		2001	4:16:45.62	David Radcliff	2009	2:39:01.76
3000 Y postal	Adrienne Pipes		2009	54:22.09	Graham Johnston	2007	42:13.00
6000 Y postal	Lois Kivi Nochman		2000	2:09:39.17	Graham Johnston	2007	1:30:28.37
1-mile cable	Edna S. Landon		1979	49:11.96	Graham Johnston	2008	27:13.68
2-mile cable	Adrienne Pipes		2009	1:09:32.30	Graham Johnston	2008	56:24.78
80-84		Women	Year	Record	Men	Year	Record
1 hour postal	Rita Simonton		2000	3235 Y	Aldo DeRosa	1998	3650 Y
5K postal	Lois Kivi Nochman		2005	2:10:49.50	Gary Weisenthal	1997	2:15:35.65
10K postal					T R Johnson	2004	6:56:25.65
3000 Y postal	Rita Simonton		1998	55:12.91	Jurgen Schmidt	2003	50:34.86
6000 Y postal	Lois Kivi Nochman		2005	2:07:01.34	Doc Schofield	1994	2:31:33.09
1-mile cable							
2-mile cable	Peggy Hughes		2001	1:41:17.66	Dexter Woodford	1995	1:09:32.94
85-89		Women	Year	Record	Men	Year	Record
1 hour postal	Rita Simonton		2004	3005 Y	Clarence Ross	1985	3240 Y
5K postal					E Ole Larson	2008	2:15:02.61
10K postal							
3000 Y postal	Rita Simonton		2003	59:47.72	Jurgen Schmidt	2008	54:56.57
6000 Y postal					Gary Weisenthal	1999	2:18:29.24
1-mile cable					Joe Irvine	1997	48:47.80
2-mile cable					Richard Selden	2008	1:18:24.65
90-94		Women	Year	Record	Men	Year	Record
1 hour postal	Rita Simonton		2009	2720 Y	Gus Langner	1997	2225 Y
5K postal							
10K postal							
3000 Y postal	Rita Simonton		2008	1:06:51.19			
6000 Y postal							
1-mile cable							
2-mile cable							
95-99		Women	Year	Record	Men	Year	Record
1 hour postal					Gus 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	DOC IU Masters	2009	3:38:48.33	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	Davis Aquatic	1996	1:44:09.37
3 x 6000 Y postal	St. Pete Masters	2008	4:54:40.52	Omaha	2000	3:36:32.47
3 x 1-mile cable						
3 x 2-mile cable	Adirondack Masters	2009	3:13:16.93	Garden State Masters	2009	2:41:44.79
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	Illinois Masters	2009	7:34:02.69
3 x 3000 Y postal	Colonial 1776	2004	1:45:20.57	Sierra Nevada	1996	1:42:58.91
3 x 6000 Y postal	Oregon	2004	3:52:38.27	Illinois Masters	2008	3:41:01.01
3 x 1-mile cable						
3 x 2-mile cable						
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						
3 x 2-mile cable	Niagara Masters	2009	3:03:16.92			
45+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	TAM	2005	13,935 Y	New England Masters	2009	15,325 Y
3 x 5K postal	Illinois Masters	2009	3:37:14.91	Ventura County Masters	2009	3:16:11.84
3 x 10K postal	Masters of South Texas	2007	8:06:34.57	Ventura County Masters	2009	7:09:02.36
3 x 3000 Y postal	Oregon	2003	1:55:43.32	Ventura County Masters	2003	1:47:29.32
3 x 6000 Y postal	Masters of South Texas	2007	4:34:20.78	Ventura County Masters	2003	3:39:27.67
3 x 1-mile cable						
3 x 2-mile cable	New England Masters	2009	2:31:31.75	New England Masters	2009	2:20:05.10
55+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Tamalpais Aquatic Masters	2009	13,450 Y	Ventura County	2007	14,625 Y
3 x 5K postal	San Diego	2004	4:21:42.66	Ventura County	2006	3:31:56.92
3 x 10K postal	Masters of South Texas	2009	10:52:01.21	Ventura County	2006	7:40:04.73
3 x 3000 Y postal	Arizona Masters	2008	2:10:16.77	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						
3 x 2-mile cable	DC Masters	2009	2:54:15.86	New England Masters	2009	2:49:29.72
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	2008	4:11:14.31
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						
3 x 2-mile cable						
75+	Women	Year	Record	Men	Year	Record
3 x 1 hour postal	Florida Aquatic Combined	2008	9230 Y	San Diego	2006	10,370 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	SPM	2007	21,115 Y
4 x 5K postal	DOC IU	2000	4:34:58.61
4 x 10K postal	St Pete Masters	2009	10:18:06.36
4 x 3000 Y postal	Novaquatics	2001	2:22:18.50
4 x 6000 Y postal	St. Pete Masters	2008	5:37:17.93
4 x 1-mile cable			
4 x 2-mile cable	Garden State Masters	2009	3:28:49.97
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			
4 x 2-mile cable	Adirondack Masters	2009	4:08:56.40
35+	Mixed	Year	Record
4 x 1 hour postal	Colonials 1776	2001	20,695 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			
4 x 2-mile cable	Niagara Masters	2009	3:09:24.88
45+	Mixed	Year	Record
4 x 1 hour postal	Ventura County Masters	2006	19,625 Y
4 x 5K postal	Oregon	2008	4:38:26.15
4 x 10K postal	Illinois Masters	2009	10:02:13.51
4 x 3000 Y postal	Ventura County Masters	2006	2:25:59.84
4 x 6000 Y postal	St Pete Masters	2003	5:13:59.19
4 x 1-mile cable			
4 x 2-mile cable	New England Masters	2009	3:06:58.21
55+	Mixed	Year	Record
4 x 1 hour postal	Tamalpais Aquatic Masters	2009	18,290 Y
4 x 5K postal	Oregon	2009	5:31:00.95
4 x 10K postal	Masters of South Texas	2007	16:35:21.98
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			
4 x 2-mile cable			
65+	Mixed	Year	Record
4 x 1 hour postal	SDSM	2005	15,800 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			
4 x 2-mile cable			
75+	Mixed	Year	Record
4 x 1 hour postal	PNA	2007	12,155 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			
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			

*The 3 x 3000 Y and 3 x 6000 Y mixed postal relays are no longer contested. The last year they were contested was 1998.

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, 2010 [USA-S provisions under Part One, the Technical Rules are effective May 15, 2010]. USMS follows USA Swimming’s Technical Rules, Articles 101, 102 and 105, with the following exceptions (USMS and USA Swimming 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. However, when the breaststroke or whip kick is used, the arms must be recovered over the top of the water with each breaststroke or whip kick, except after the last such kick before the turn or finish. After the start and after each turn, if the breaststroke or whip kick is used, only one kick is allowed 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 Relay**—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 302.4 and 304; USA-S 101.8]

APPENDIX B

MS2 SWIMMING COMPETITION

- MS2.1 Relay**—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 102.4.7]
- MS2.2 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 may not be the same person. The referee shall be certified as a stroke and turn judge, starter or referee by a USMS-approved certifying body. Note: USMS does not use place judges. [USMS 103.1 and 103.2; USA-S 102.12.3]
- 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 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 102.10.1 and 102.6; USA-S 102.2]
- MS2.5 Seeding**
- MS2.5.1** 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 102.8.2]
- MS2.5.2** 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 102.5.4A]
- MS2.6 Records and Top Ten**
- MS2.6.1** Record applications and Top Ten 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 105.1.6A; USA-S 104.2.2C(3)(a)]
- MS2.6.2** 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 105.1.1; USA-S 104.2.1F]
- MS2.6.3** Relay leadoff split times will be considered for records or Top Ten times, provided the swimmers complete the event without being disqualified, and provided automatic timing is used. [USMS 103.13.1, 103.13.3, and 105.2.2A and D; USA-S 104.2.1E]
- MS2.6.4** If swimmers want their initial splits as part of a longer individual event to be submitted for records or Top Ten 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. [USMS 103.13.1B(1) and (2); 103.13.1D; and 105.2.2B, C, and E; USA-S none]

- MS2.6.5** 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)]
- MS2.7** **Scratch procedure**—Swimmers or relay teams not reporting for or competing in an event are not penalized. [USMS 102.8.1; USA-S 102.3]
- MS2.8** **Protest**—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 102.16.5 and 102.16.4; USA-S 102.11.5]
- MS2.9** **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, eligibility will be determined by the swimmer’s age as of the last day of the meet. [USMS 102.2; USA-S 205.2.2]
- MS2.10—Swimwear**—USMS will publish updated swimwear rules interpretations when FINA adopts swimwear rules for Masters. [USMS 102.14.1, 601.4.8; USA-S 102.9]

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

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 False start**—If the starting signal has been given before the disqualification is declared, the race shall continue without recall. If the referee independently observes and confirms the starter’s observation that a violation occurred, the swimmer or swimmers who have false started shall be disqualified upon completion of the race in accordance with 102.15.2. 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. [USMS 103.8.6B & E; NCAA Rule 2, Section 1, Article 3d and g]
- MS1.4 Declared false start**—There are no “declared false starts” in Masters swimming. [USMS 103.8.6; NCAA Rule 2, Section 1, Article 3h]
- MS1.5 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]
- MS1.6 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 101.3.3; NCAA Rule 2, Section 2, Article 3d]
- MS1.7 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 3]
- MS1.8 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 103.1.1; NCAA Rule 4, Section 1] The referee shall be certified as a stroke and turn judge, starter or referee by USA Swimming, USMS, YMCA or any other USMS-approved certifying body. [USMS 103.2; 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; No equivalent NCAA rule]
- 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; No equivalent NCAA rule]
- 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, Section 1]
- 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, Articles 1 and 2]
- MS2.6 Records**
- MS2.6.1** 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] The pool measurement certification must include all lanes used in competition. [USMS 105.1.7; NCAA Rule 9, Section 2] When a moveable bulkhead is used, 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. Note: It is recommended that the bulkhead placement be confirmed prior to the start of the meet. [USMS 105.1.7C; NCAA Rule 9, Section 2]

- MS2.6.2** 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 records or Top 10 times, provided the swimmers complete the event without being disqualified and provided fully automatic timing is used. The swimmer's relay leadoff split time shall not count if the second swimmer starts in the water. 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, but not USMS records. [USMS 105.2.2; NCAA Rule 9, Section 1 and Section 2, and Notes 2 and 3]
- MS2.6.3** 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. [USMS 105.2.2; No equivalent NCAA rule]
- MS2.6.4** 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 105.3.10; NCAA Rule 9, Section 2, Article 2]
- MS2.7** **Scratch procedure**—Swimmers or relay teams not reporting for or competing in an event are not penalized. [USMS 102.8.1; USA-S 102.3]
- MS2.8** **Protests**
- MS2.8.1** 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 102.16.2; No equivalent NCAA rule]
- MS2.8.2** 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 102.16.5; NCAA Rule 8, Section 4, Article 9]

- MS2.9** **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; No equivalent NCAA rule]
- MS2.10** **Swimwear**—USMS will publish updated swimwear rules interpretations when FINA adopts swimwear rules for Masters. [USMS 102.14.1, 601.4.8; NCAA Rule 3, Section 1, Articles 1 and 2]

DIFFERENCES BETWEEN NATIONAL FEDERATION OF HIGH SCHOOL SWIMMING AND USMS RULES

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. The feet need not be completely submerged prior to the start. 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, Article 2]
- 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, Articles 1e and 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 101.3.3; 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 102.9.5; 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]

MS2. SWIMMING COMPETITION

MS2.1 Swimwear—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. [USMS 102.14.2; NFHS Rule 3, Section 3, Article 1]

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 103.1.1; NFHS Rule 4, Section 1, Article 2]

The referee shall be certified as a stroke and turn judge, starter or referee by USA Swimming, USMS, YMCA or any other USMS-approved certifying body. Note: NFHS is a USMS-approved certifying body. [USMS 103.2; NFHS none] Note: 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 102.7. [USMS 102.7; 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]

APPENDIX B

- 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 records or Top 10 times, provided the swimmers complete the event without being disqualified and provided fully automatic timing is used. The swimmer’s relay leadoff split time shall not count if the second swimmer starts in the water. 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, but not USMS records. [USMS 105.2.2 and 105.3.7; 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. [USMS 105.2.2 and 105.3.7; No equivalent NFHS rule]
- 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 105.3.10; 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 and 103.8.6; 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 102.16.2; 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 102.16.5; 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]
- Note: USMS does not specifically address noisemakers [NFHS Rule 3, Section 5, Article 1], the participation of a competitor that has been rendered unconscious [USMS 106; NFHS Rule 3, Section 2, Article 7], the wearing of jewelry [NFHS Rule 3, Section 3, Article 4], or on-site shaving [NFHS Rule 3, Section 5, Article 7] in USMS rules.
- MS2.13 Swimwear.** USMS will publish updated swimwear rules interpretations when FINA adopts swimwear rules for Masters. [USMS 102.14.1, 601.4.8; NFHS Rule 3, Section 3]

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. STARTS, STROKES AND RELAYS

- FMS1.1 Butterfly Kick**—A breaststroke kicking movement is permitted for butterfly. Only one breaststroke kick is permitted per arm pull; a breaststroke kick is permitted prior to the turn and finish without an arm pull. [FINA MSW 3.10, USMS 101.3.3]

APPENDIX B

FMS2 SWIMMING COMPETITION

- FMS2.1 Age Groups**—The youngest age group recognized by FINA is 25-29. [FINA MSW 1.1; USMS 102.1.1 and 102.3]
- FMS2.2 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]
- FMS2.3 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]
- FMS2.4 Course Type**—FINA does not recognize Short Course Yard competition. [FINA MSW 4.1; USMS 102.5.2 and 102.5.1]
- FMS2.5 Event Limits**—FINA has no explicit rule addressing event limits; limits are established for each meet. [FINA, no rule; USMS 102.6 and 102.10.1]
- FMS2.6 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]
- FMS2.7 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)]
- FMS2.8 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]
- FMS2.9 Splits and Timing System**—FINA allows splits to be recorded with three watches, three semi-automatic buttons, or fully automatic timing. USMS requires splits to be recorded with fully automatic timing equipment. [FINA MSW 6; USMS 105.2.2]
- FMS2.10 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 105.2.2]
- FMS2.11 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. [FINA MSW 6 and SW 12.9; USMS Appendix B and 105.5]
- FMS2.12 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 policy; USMS 103.11.6 and 104.5.8]
- FMS2.13 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 102.15.2]
- FMS2.14 Announcing Results of Protested Events**—FINA does not appear to have an explicit rule on this subject. [FINA GR 9.2; USMS 102.16.1]

- FMS2.15 Competing under Protest**—FINA has no explicit rule regarding competing under protest. [FINA GR 9.2; USMS 102.16.2]
- FMS2.16 Protests of Swimming Rules**—FINA gives authority for the final decision to the referee. USMS gives authority for some final decisions to the USMS Rules Committee with an explicit timeline and communication structure. [FINA GR 9.2; USMS 102.16.4 and 104.5.9B]
- FMS2.17 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). [FINA GR 9.2.2 and 9.2.4; USMS 102.16.5]
- FMS2.18 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 protest committee or the USMS Rules Committee. [FINA GR 9.2.3 and 9.3; USMS 102.16.2, 102.16.4, and 102.16.5]
- FMS2.19 Smoking and Tobacco**—FINA bans smoking in any area designated for competitors. USMS bans the use of all tobacco products, even in the spectator seating. [FINA GR 8; USMS 102.17]

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 LCM and SCM courses, and as of the last day of the meet for SCY 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, the technique used to measure the course, and the signature, name, address and phone number of the person who measured the course.

**ADJUSTMENTS FOR WOMEN'S NATIONAL
QUALIFYING TIMES FOR SWIMS AT ALTITUDE**

Age Group	3000-4249 ft				4250-6499 ft				6500+ ft			
	200	400-500	800-1000	1500-1650	200	400-500	800-1000	1500-1650	200	400-500	800-1000	1500-1650
19-24	0.51	2.55	5.10	11.22	1.22	5.10	10.20	23.46	1.63	7.14	15.30	33.15
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	2.57	5.15	11.32	1.24	5.15	10.29	23.67	1.65	7.21	15.44	33.45
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	2.57	5.14	11.32	1.23	5.14	10.29	23.66	1.65	7.20	15.43	33.43
45-49	0.54	2.72	5.45	11.98	1.31	5.45	10.89	25.06	1.74	7.63	16.34	35.41
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	0.62	3.09	6.17	13.58	1.48	6.17	12.35	28.39	1.98	8.64	18.52	40.12
60-64	0.67	3.35	6.70	14.75	1.61	6.70	13.41	30.83	2.14	9.38	20.11	43.57
65-69	0.70	3.51	7.03	15.46	1.69	7.03	14.06	32.33	2.25	9.84	21.08	45.68
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	0.82	4.11	8.21	18.07	1.97	8.21	16.43	37.79	2.63	11.50	24.64	53.39
80-84	0.89	4.47	8.95	19.68	2.15	8.95	17.89	41.15	2.86	12.53	26.84	58.15
85-89	1.03	5.13	10.26	22.57	2.46	10.26	20.52	47.19	3.28	14.36	30.77	66.68
90-94	1.36	6.82	13.63	29.99	3.27	13.63	27.26	62.70	4.36	19.08	40.89	88.60

**ADJUSTMENTS FOR MEN'S NATIONAL
QUALIFYING TIMES FOR SWIMS AT ALTITUDE**

Age Group	3000-4249 ft				4250-6499 ft				6500+ ft			
	200	400-500	800-1000	1500-1650	200	400-500	800-1000	1500-1650	200	400-500	800-1000	1500-1650
19-24	0.50	2.49	4.97	10.94	1.19	4.97	9.94	22.87	1.59	6.96	14.92	32.32
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	0.50	2.50	4.99	10.99	1.20	4.99	9.99	22.97	1.60	6.99	14.98	32.46
35-39	0.51	2.55	5.10	11.23	1.22	5.10	10.21	23.47	1.63	7.14	15.31	33.17
40-44	0.53	2.63	5.25	11.55	1.26	5.25	10.50	24.15	1.68	7.35	15.75	34.13
45-49	0.54	2.70	5.40	11.88	1.30	5.40	10.80	24.83	1.73	7.56	16.20	35.09
50-54	0.55	2.74	5.49	12.07	1.32	5.49	10.97	25.24	1.76	7.68	16.46	35.66
55-59	0.58	2.88	5.75	12.65	1.38	5.75	11.50	26.46	1.84	8.05	17.26	37.39
60-64	0.61	3.05	6.09	13.41	1.46	6.09	12.19	28.03	1.95	8.53	18.28	39.61
65-69	0.62	3.09	6.18	13.59	1.48	6.18	12.35	28.41	1.98	8.65	18.53	40.14
70-74	0.66	3.30	6.60	14.52	1.58	6.60	13.20	30.37	2.11	9.24	19.80	42.91
75-79	0.74	3.68	7.36	16.20	1.77	7.36	14.73	33.87	2.36	10.31	22.09	47.87
80-84	0.83	4.13	8.26	18.17	1.98	8.26	16.52	37.99	2.64	11.56	24.78	53.68
85-89	0.90	4.48	8.96	19.72	2.15	8.96	17.93	41.24	2.87	12.55	26.89	58.27
90-94	1.18	5.91	11.82	26.01	2.84	11.82	23.64	54.38	3.78	16.55	35.47	76.84

U.S. Masters Swimming

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 are found on the reverse side. Please review them before measuring your pool and submitting this form. Only this side needs to be submitted for your pool certification.

U.S. Masters Swimming

Application for a USMS Open Water/Long Distance Record

1. Event: _____
1-Hour, 5K, 10K or 3000y postal; 1-mile or 2-mile cable
2. Course: _____
25y, 25m or 50m pool; 1/4-mile cable
3. Method of Timing: _____
electronic timing or three stopwatches
4. Official Time: _____ : _____ : _____ . _____
(If applicable) hours: mins: secs hundredths
5. Completed Distance: _____
(if applicable) specify yards or meters
6. Individual Event:

_____	_____	_____	_____	_____
Name	Gender	Birthdate	Age	USMS Number

7. Relay Team Name: _____ Age Group: _____
- | | | | | |
|-------------------------------|--------|-----------|-------|-------------|
| _____ | _____ | _____ | _____ | _____ |
| Names (in order of competing) | Gender | Birthdate | Age | USMS Number |
- A. _____
- B. _____
- C. _____
- D. _____

FOR POSTAL RELAY EVENTS, PLEASE COMPLETE SECTIONS 8 & 9 **FOUR** TIMES, ONCE FOR EACH SWIMMER.

8. Name of Pool or Body of Water: _____ City: _____ State: _____
- Date of Swim: _____ Sanction #: _____ LMSC: _____
9. **Lap counter/timer information (for postal swims only):**
- Name: _____
- Address: _____
- City: _____ State: _____ ZIP: _____ Phone: _____

10. **Course length certification (for open-water cable swims only):**
- Measurement technique: _____
- Signature of person (s) who measured the course: _____
- Name: _____
- Address: _____
- City: _____ State: _____ ZIP: _____ Phone: _____

11. **Record application submitted by:**
- Name: _____ E-mail: _____
- Address: _____
- City: _____ State: _____ ZIP: _____ Phone: _____

Send the completed record application form and all required documentation to the event host.

		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 a World Record/USMS Record/Top 10 if recorded by an automatic timing system. In addition, split times for World Records will be accepted if recorded by 3 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>			

		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 a World Record/USMS Record/Top 10 if recorded by an automatic timing system. In addition, split times for World Records will be accepted if recorded by 3 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>			



APPENDIX B

U. S. Masters Swimming

**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

USMS NATIONAL CONVENTIONS

Dates: September 15-19, 2010
Location: Hyatt Regency Dallas at Reunion, Dallas, Texas

Dates: September 18, 2011
Location: Hyatt Regency, Jacksonville, Florida

U.S. MASTERS SWIMMING NATIONAL CHAMPIONSHIPS

2010 U.S. Masters Swimming Spring National Championship

Dates: May 20-23
Location: Georgia Tech, Atlanta, Georgia
Contact: Ed Saltzman, (770) 442-9075 or (770) 442-3731,
es7204@att.com

2010 U.S. Masters Swimming Summer National Championship

Dates: August 9-12
Location: San Juan, Puerto Rico
Contact: Mark Gill, (480) 784-7112, mark.gill@usms.org

2011 U.S. Masters Swimming Spring National Championship

Dates: May 6-9
Location: Kino Aquatic Complex, Mesa, Arizona
Contact: Sam Hewson, (480) 543-9920

2011 U.S. Masters Swimming Summer National Championship

Dates: August 3-6
Location: James E Martin Aquatics Center, Auburn University, Auburn,
Alabama
Contact: Sarah Stallkamp, (334) 844-9622

**U.S. MASTERS SWIMMING NATIONAL CHAMPIONSHIPS
OPEN WATER AND LONG DISTANCE**

2010 USMS 1 Hour Postal Championships

Dates: January 1 - 31
Host: Tamalpais Aquatics, Pacific LMSC
Contact: Jessica Jakobi, (415) 454-2302, jjakobi@comcast.net
Jon Haveman, (415) 457-1228 jon@haveman.org

2010 USMS 5 and 10 Kilometer Postal Championships (50 meter pool)

Dates: May 15 - September 15
Host: Twin Rivers YMCA Masters, North Carolina LMSC
Contact: Bob Husson, (252) 638-8425, onegoodbloke@hotmail.com
Hans van Meeteren, (252) 745-9836, hans.vanmeeteren@gmail.com

2010 USMS 3000/6000 Yard Postal Championships (25 yard pool)

Dates: September 15 - November 15
Host: Masters of South Texas, South Texas LMSC
Contact: Susan Ingraham, 210-493-0388, Aquatex101@aol.com

2010 USMS 1 Mile Open Water Championships

Dates: May 29
Location: Lake Norman, Charlotte, North Carolina
Contact: Steve Watkins, (704) 207- 9559, steve@thecustomcoach.com
Jerry Clark, jerryclark@bellsouth.net

2010 USMS 1–3 Mile Open Water Championships (1.5 miles)

Dates: June 6
Location: Lake Del Valle, Livermore, California
Contact: Bill McCracken, (925) 216-7918, mcracmiler@pacbell.net
Joe Couto, (925) 846-7710, josephrcouto@yahoo.com

2010 USMS 2-Mile Cable Championships

Dates: July 10
Location: Chris Greene Lake, Charlottesville, Virginia
Contact: Dave Holland, henrydafif@aol.com
Chris Stevenson, (804)282-0124, cstevens@richmond.edu

**U.S. MASTERS SWIMMING NATIONAL CHAMPIONSHIPS
OPEN WATER AND LONG DISTANCE****2010 USMS 6+ Mile Open Water Championships (10 km)**

Dates: July 17
Location: Morse Reservoir, Noblesville, Indiana
Contact: Dick Sidner, (317) 695-9885, dsidner@gmail.com

2010 USMS 3–6 Mile Open Water Championships (6 km)

Dates: June 19
Location: To Be Determined, Colorado
Contact: Karen Reeder, (719) 592-1923, dksreeder@skybeam.com
Jeff Magouirk, (303) 596-6993, swimwithfishes@earthlink.net

2011 USMS 1 Hour Postal Championships

Dates: January 1-31
Host: Tualatin Hills, Oregon LMSC
Contact: Tim Cespedes, (512) 626-6990 timcespedes@gmail.com
Jenn Pidkowicz, (661) 714-4178 jenn.pidkowicz@gmail.com

2011 USMS 5 and 10 Kilometer Postal Championships (50 meter pool)

Dates: May 15 - September 15
Host: Chicago Smelts, Illinois LMSC
Contact: Dave Sebastian, (773) 472-9731, davesesebastian@msn.com

2011 USMS 3000/6000 Yard Postal Championships (25 yard pool)

Dates: September 15 - November 15
Host: YMCA Indy Swim Fit, Indiana LMSC
Contact: Mel Goldstein, goldsteinmel@sbcglobal.net

2011 USMS 1 Mile Open Water Championships

Date: July 3
Location: COMA, Oregon LMSC
Contact: Bob Bruce, (541) 317-4851, coachbob@bendbroadband.com

**U.S. MASTERS SWIMMING NATIONAL CHAMPIONSHIPS
OPEN WATER AND LONG DISTANCE**

2011 USMS 25K (25 yard pool)

Dates: July 16
Host: Morse Reservoir, Noblesville, Indiana
Contact: Dick Sidner, dsidner@gmail.com

2011 USMS 1–3 Mile Open Water Championships (2.4 miles)

Date: August 20
Location: Lake Monona, Madison, Wisconsin
Contact: Dick Pitman, (608) 770-2307
Peter Maternowski, (608) 286-0824, petermater@gmail.com

2011 USMS 6+ Mile Open Water Championships (10 km)

Dates: April 30 or May 1
Location: Ft Myers, Florida
Contact: Gregg Cross

2011 USMS 2-Mile Cable Championships

Date: August 13
Location: Mirror Lake, Lake Placid, New York
Contact: Ann Svenson, annb48@earthlink.net
David Dammerman, (518) 698-7838, dddammerman@yahoo.com

2011 USMS 3–6 Mile Open Water Championships (5 km)

Date: June 25
Location: Coney Island, New York
Contact: Cristian Vergara, (718) 938-4988, vergaracristian@hotmail.com
Patricia Sener, (917) 743-5939, brooklynmermaid@optonline.net

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.

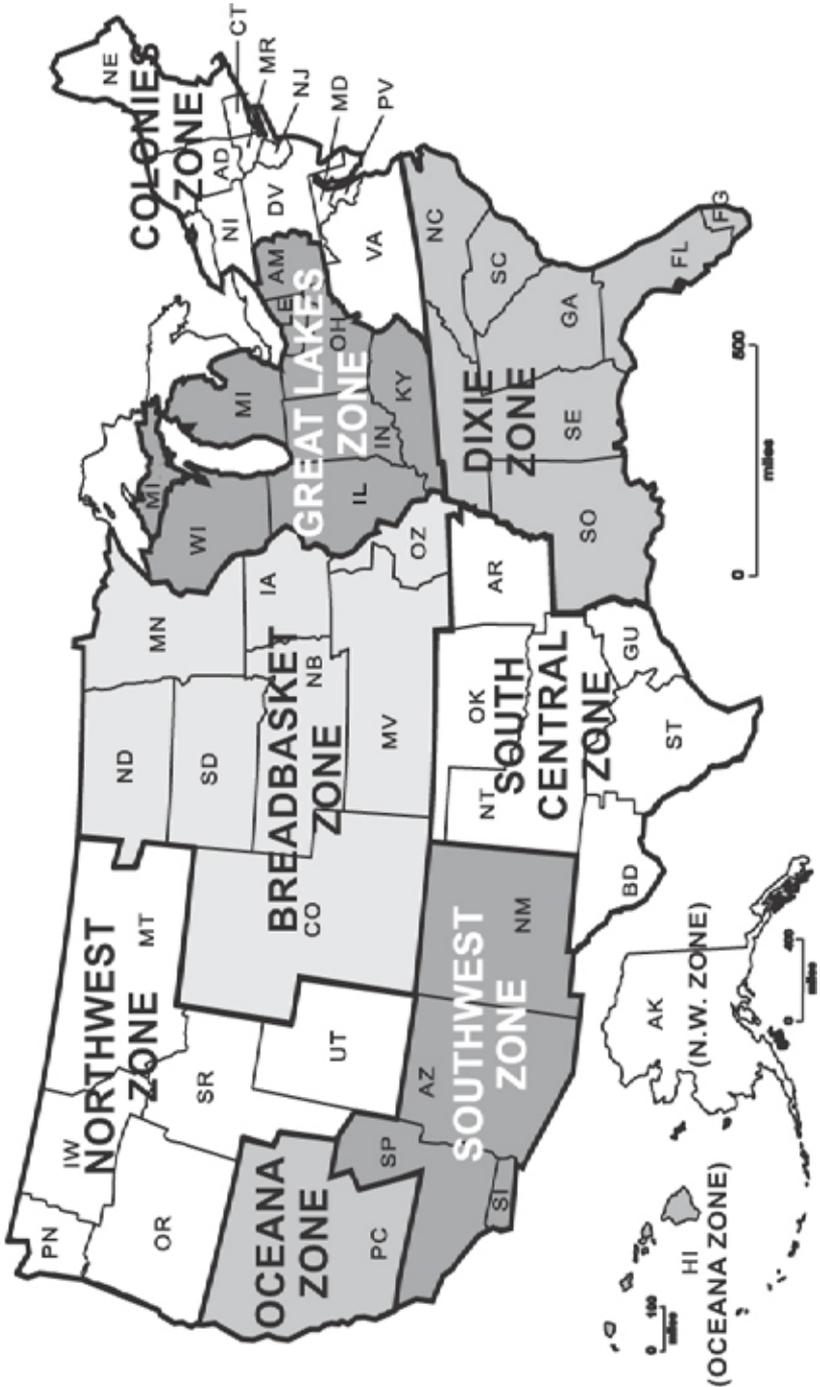
South Central—Arkansas, Border, Gulf, Oklahoma, North Texas, South Texas.

Southwest—Arizona, New Mexico, San Diego—Imperial, Southern Pacific.

LMSC Numeric Codes And Abbreviations

3	AD	Adirondack	31	MT	Montana
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
29	NB	Nebraska	34	UT	Utah
30	MN	Minnesota	12	VA	Virginia
28	MV	Missouri Valley	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.

Arkansas—The state of Arkansas. In the state of Texas the county of Bowie.

Arizona—The state of Arizona.

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 west 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 east 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

LMSC Boundaries (Cont'd)

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 .

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;

LMSC Boundaries (Cont'd)

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.

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,

LMSC Boundaries (Cont'd)

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.

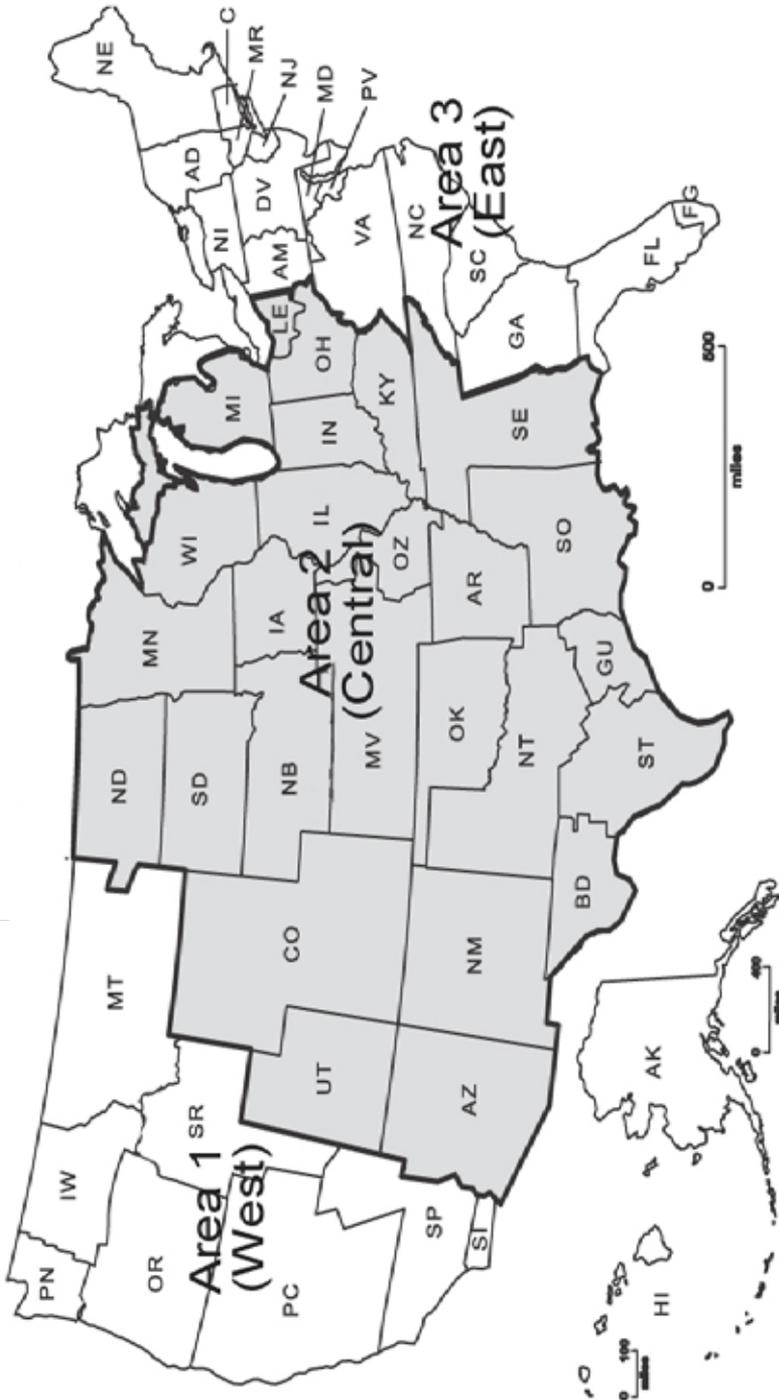
BIDDING AREAS FOR LONG DISTANCE NATIONAL CHAMPIONSHIP MEETS

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.....	Jeff Moxie
Vice President of National Operations.....	Michael Heather
Vice President of Local Operations	Ed Tsuzuki
Vice President of Member Services.....	Dave Diehl
Vice President of Community Services	Nadine Day
Secretary	CJ Rushman
Treasurer	Ralph Davis
Immediate Past President.....	Rob Copeland
Legal Counsel	Doug Church
At-Large Director, Breadbasket Zone.....	Anthony Thompson
At-Large Director, Colonies Zone	Betsy Durrant
At-Large Director, Dixie Zone.....	Jerry Clark
At-Large Director, Great Lakes Zone	Meg Smath
At-Large Director, Northwest Zone.....	Jeanne Ensign
At-Large Director, Oceana Zone.....	Michael Moore
At-Large Director, South Central Zone	Don Mehl
At-Large Director, Southwest Zone.....	Laura Winslow
Past President.....	June Krauser
Past President.....	F.H. “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, MD

ZONE REPRESENTATIVES AND LMSC CHAIRS

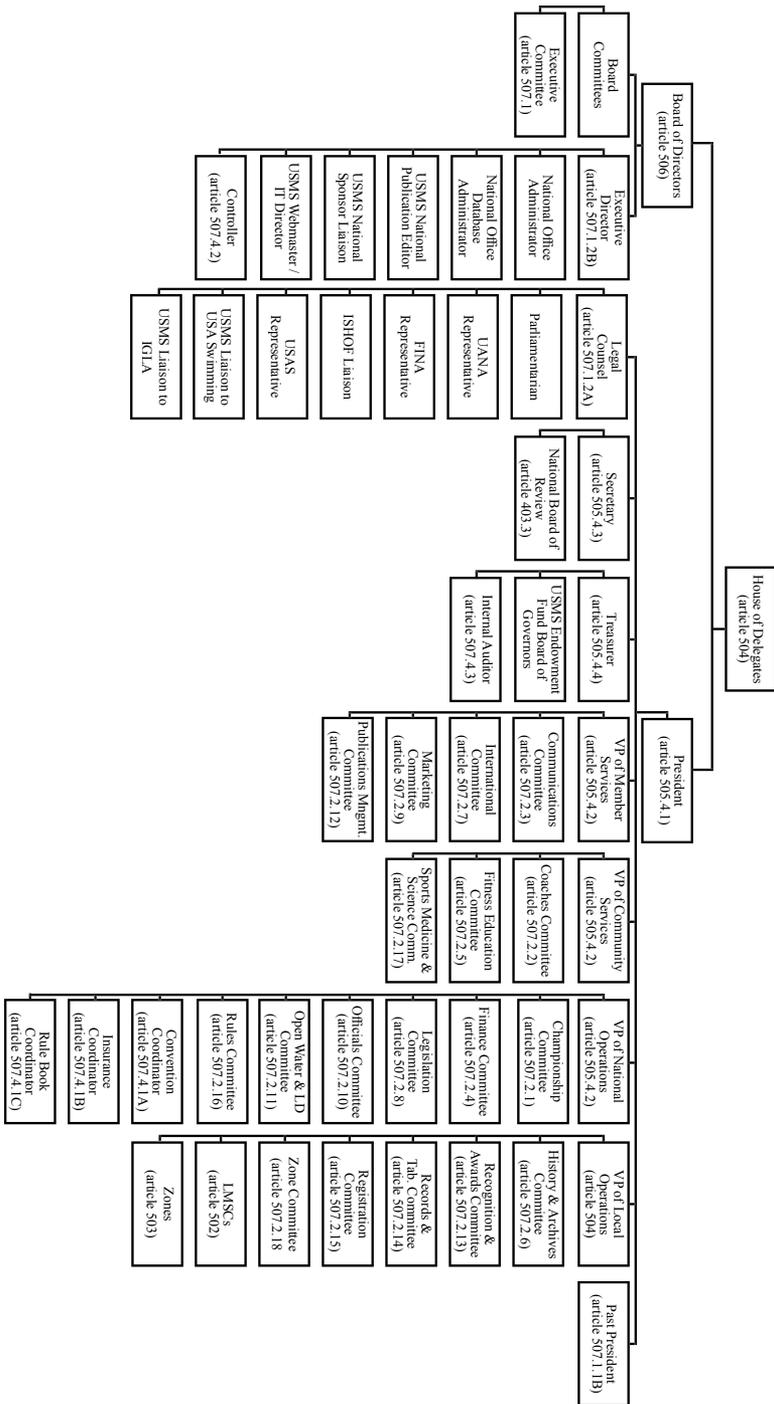
Will be available online at <http://www.usms.org>.

USMS COMMITTEES

Will be available online at <http://www.usms.org>.

SPECIAL APPOINTMENTS AND LIAISONS

Will be available online at <http://www.usms.org>.



APPENDIX F: USMS HISTORY

Ransom J. Arthur Award

Given in honor of Captain 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
1974	June Krauser
1975	Hal Onusseit
1976	F.H. "Ted" Haartz
1977	Paul Hutinger
1978	Mildred Anderson & Hamilton Anderson
1979	Ray Taft & Zada Taft
1980	Enid Urich & Ed Reed Sr.
1981	Cindy Baxter
1982	Harry Rawstrom
1983	Dorothy Donnelly
1984	Reg Richardson
1985	Michael Laux
1986	Judge Robert Beach
1987	Ross Wales
1988	John Spannuth
1989	Dan Gruender & Edie Gruender
1990	Jack Geoghegan
1991	Tom Boak
1992	Walt Reid
1993	Kathrine Casey & Gail Dummer
1994	Nancy Ridout
1995	Mary Lee Watson
1996	Suzanne Rague
1997	Mel Goldstein
1998	William Tingley
1999	Jim Miller
2000	Joan Smith & Richard Smith
2001	Carolyn Boak
2002	Hugh Moore & Jane Moore
2003	Sandi Rousseau
2004	Leo Letendre
2005	Betsy Durrant
2006	Sally Ann Dillon
2007	Jeanne Ensign
2008	Barry Fasbender
2009	Julie Heather

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
1987	Kerry O'Brien
1988	Keith Bell
1989	William Tingley
1990	Michael Collins
1991	Judy Bonning
1992	Clay Evans & Gerry Rodrigues
1993	Emmett Hines
1994	Todd Samland
1995	Scott Rabalais
1996	Mo Chambers
1997	Bonnie Adair
1998	Ed Nessel
1999	Ron Johnson
2000	Frank L. Thompson
2001	Mel Goldstein
2002	Jim Montgomery
2003	Bob Bruce
2004	Scott Williams
2005	Mark Moore
2006	Sue Welker
2007	Kris Houchens
2008	Susan Ingraham
2009	Nancy Kirkpatrick-Reno

2009 Dorothy Donnelly USMS 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.

Marcia Anziano - Colorado
 Christie Ciraulo - Southern Pacific
 Jerry Clark - North Carolina
 William Cleveland - Southern
 Chris Colburn - Illinois
 Lisa Dahl Pacific - Northwest
 Barbara Delanois - Illinois
 Paul Freeman Pacific - Northwest
 Janet Renner - Hawaii
 Mark Sells - Minnesota
 Chris Stevenson - Virginia

USMS Fitness Award

Presented by the Fitness Committee to individuals and organizations demonstrating outstanding contribution to fitness activities within USMS.

1997 Scott Rabalais
 2000 Bill Volckening,
 2002 Bill Volckening
 2003 Pam Himstreet
 2004 Jody Welborn
 2005 Doug and Marianne Brogan
 2007 Mary Sweat
 2008 Linda Shoenberger

2009 Kerry O'Brien Coaching Award

Award for grassroots coaching accomplishment.

Jay Christiansen - Central Valley All Stars
 Chris Colburn - Academy Bullets Masters
 Dyann Charette Dancy - Germantown Maryland Masters
 Linda Gilchrist - Alameda Aquatic Masters
 Dana Kirk - South Palo Alto Masters

USMS Club of the Year Award

Recognizes clubs that embody the mission of USMS - health, competition, and community - in the hopes that others may look to them as a benchmark on which to base all other clubs.

- 2006 YMCA Indy SwimFit
- 2007 Walnut Creek Masters
- 2008 Woodlands Masters Swim Team
- 2009 Noblesville Adult Swim Team & Mission Viejo Nadadores

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, Wayde Mulhern, June Krauser
- 1994 Gene Donner, George McVey, Betty Barry, Tom Boak
- 1995 John Zell, Mel Goldstein
- 1996 Ted Haartz
- 1997 Sandi Rousseau
- 1998 Stu Marvin
- 1999 Jim Matysek
- 2000 Anneliese Eggert & Walt Eggert
- 2001 Hugh Moore & Jane Moore
- 2002 Carolyn Boak
- 2003 Mark Gill
- 2004 Hill Carrow
- 2005 Tracy Grilli
- 2006 Michael Moore
- 2007 Helen Brown & Bob Brown
- 2008 Tom Taylor
- 2009 Barry Fasbender

Newsletter of the Year Award

Presented to the most outstanding LMSC or club newsletter.

- 1994 *Gulf Masters Newsletter*
Sheila Baskett, Gulf LMSC
- 1995 *Swimmer's Source*
Bonnie Adair & Clay Evans, Southern Pacific LMSC
- 1996 *NEM News*
Tom Lyndon, New England Masters
- 1997 *The Record Times*
Nancy Ottom & Cathy Carr, West Davis Aquatics
- 1998 *The Florida Newsletter*
Jim Donnelly, Florida LMSC
- 1999 *Barracuda Bulletin*
Bill Volckening, Tualatin Hills Barracudas
- 2000 *The WetSet*
Sandy McNeel, Pacific Northwest LMSC
- 2001 *West Hollywood Aquatics Newsletter*
Carl Anhalt, West Hollywood Aquatics
- 2002 *The Watershed*
Maria Karanungen & David Shinn, Dynamo Swim Club
- 2003 *Splash Master*
Doug Garcia, Inland Northwest LMSC
- 2004 *Aqua-Master*
Dave Radcliff, Oregon LMSC
- 2005 *The WetSet*
Paul Freeman, Pacific Northwest LMSC
- 2006 *WH2O*
Dan Adams, West Hollywood Aquatics
- 2007 *Aqua-Master*
Dave Radcliff, Oregon LMSC
- 2008 *Maverick Lane Lines*
Paul Hutinger & Margie Hutinger, Florida Maverick Masters
- 2009 *The Riptide*
Shannon Schwartz, Mountain View Masters Swimming and Social Club

June Krauser USMS Communications Award

Given in honor of June Krauser, the first national newsletter editor, is given annually by the Communications Committee in recognition of outstanding contribution to communications within USMS.

- 2005 June Krauser
2006 Lynn Hazlewood
2007 Julie Heather
2008 Dr. Paul Hutinger
2009 Meg Smath

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 Ted Haartz

USMS Club of the Year Award

Recognizes clubs that embody the mission of USMS - health, competition, and community - in the hopes that others may look to them as a benchmark on which to base all other clubs.

2006 YMCA Indy SwimFit
2007 Walnut Creek Masters
2008 Woodlands Masters Swim Team
2009 Noblesville Adult Swim Team &
Mission Viejo Nadadores

David Yorzyk Memorial Award

Given to an individual with the most outstanding 400 Individual Medley performance at a Short Course Nationals.

1986 Elsa Matila
1987 Ardeth Mueller
1988 Cameron Reid
1989 Drury Gallagher
1990 Gail Roper
1991 Fred Wiggin
1992 June Krauser
1993 Timothy Garton
1994 Karlyn Pipes-Neilsen
1995 Raymond Taft
1996 Jack McCoy
1997 Betsy Jordan
1998 Aldo da Rosa
1999 Danielle Ogier
2000 Jean Durston
2001 Jill Hernandez
2002 June Krauser
2003 Bumpy Jones
2005 Michael Mann
2006 Charlotte Davis
2007 Erik Scalise
2008 Rick Colella
2009 Alex Shestakov

USMS Athletes Inducted Into The International Swimming Hall Of Fame

Honor Swimmers

- 1995 Clara Lamore Walker &
G. Harold “Gus” Langner
- 1996 Ardeth Mueller & Ray Taft
- 1997 Gail Roper and Tim Garton
- 1998 Jayne Owen Bruner & Graham Johnston
- 1999 Maxine Merlino & Kelley Lemmon
- 2000 Barbara Dunbar
- 2003 Laura Val

Honor Contributors

- 1990 Ransom Arthur
- 1994 June Krauser

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

Honor Open Water Swimmers

- 2007 Suzanne Heim-Bowen

Honor Contributors

- 2003 Ransom Arthur
- 2005 Phil Whitten

For more information about USMS Awards, go to the USMS Awards page at <http://www.usms.org/admin/awards/>.

APPENDIX F

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, Tex.	872
1988	8/25-28	Buffalo, N.Y.	1071
1989	8/17-20	Grand Forks, N.D.	586
1990	8/17-20	The Woodlands, Tex.	829
1991	8/22-25	Elizabethtown, Ky.	720
1992	8/20-23	Federal Way, Wash.	1150
1993	8/19-22	Minneapolis, Minn.	1085
1994	8/25-28	Buffalo, N.Y.	716
1995	8/24-27	Gresham, Ore.	1010
1996	8/21-25	Ann Arbor, Mich.	1176
1997	8/14-17	Orlando, Fla.	881
1998	8/20-23	Ft. Lauderdale, Fla.	922
1999	8/19-23	Minneapolis, Minn.	949
2000	8/17-20	Baltimore, Md.	1380
2001	8/16-19	Federal Way, Wash.	959
2002	8/16-19	Cleveland, Ohio	1022
2003	8/13-17	Rutgers, N.J.	871
2004	8/12-15	Savannah, Ga.	1084
2005	8/10-14	Mission Viejo, Calif.	1109
2006		Not held - World Championships	
2007	8/10-13	The Woodlands, Tex.	911
2008	8/14-17	Mount Hood, Ore.	1131
2009	8/6-10	Indianapolis, Ind.	1150
2010	8/9-12	San Juan, Puerto Rico	
2011	8/3-6	Auburn, Ala.	

USMS Short Course National Championship Meets

Year	Date	Location	Swimmers
1970	5/2-3	Amarillo, Tex.	46
1971	5/7-8	Amarillo, Tex.	108
1972	5/19-21	San Mateo, Calif.	325
1973	5/18-20	Santa Monica, Calif.	500
1974	5/17-19	Ft. Lauderdale, Fla.	561
1975	5/16-18	Ft. Lauderdale, Fla.	663
1976	5/14-16	Mission Viejo, Calif.	800
1977	5/13-15	Ft. Lauderdale, Fla.	611
1978	5/19-21	San Antonio, Tex.	560
1979	5/4-7	Mission Viejo, Calif.	1020
1980	5/16-18	Ft. Lauderdale, Fla.	875
1981	5/23-26	Irvine, Calif.	1209
1982	5/21-24	The Woodlands, Tex.	910
1983	5/28-31	Ft. Lauderdale, Fla.	1208
1984	5/26-29	Industry Hills, Calif.	1227
1985	5/9-12	Milwaukee, Wisc.	1021
1986	5/15-18	Fort Pierce, Fla.	1231
1987	5/15-18	Stanford Univ., Calif.	2328
1988	5/19-22	Austin, Tex.	1405
1989	5/4-7	Boca Raton, Fla.	1755
1990	5/18-21	Los Angeles, Calif.	1592
1991	5/16-19	Nashville, Tenn.	1529
1992	5/21-24	Chapel Hill, N.C.	1502
1993	5/20-23	Santa Clara, Calif.	2055
1994	5/13-16	Tempe, Ariz.	1912
1995	5/18-21	Ft. Lauderdale, Fla.	1992
1996	5/9-12	Cupertino, Calif.	2048
1997	5/15-18	Federal Way, Wash.	1438
1998	5/7-10	Indianapolis, Ind.	1738
1999	5/13-16	Santa Clara, Calif.	2060
2000	4/27-30	Indianapolis, Ind.	1390
2001	5/17-20	Santa Clara, Calif.	1850
2002	5/14-17	Honolulu, Hawaii	1103
2003	5/15-18	Tempe, Ariz.	1922
2004	4/22-25	Indianapolis, Ind.	1564
2005	5/19-22	Ft. Lauderdale, Fla.	1620
2006	5/4-7	Coral Springs, Fla.	1276
2007	5/17-20	Federal Way, Wash.	1456
2008	5/1-4	Austin, Tex.	1865
2009	5/7-10	Clovis, Calif.	1582
2010	5/20-23	Atlanta, Ga.	
2011	5/6-9	Mesa, Ariz.	

USMS Annual Meetings And National Officers

Date	Location	
1971	Lake Placid, N.Y.	
1972	Kansas City, Kan.	Ransom J. Arthur P, Judge Robert Beach VP
1973	W. Yellowstone, 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, Tex.	F.H. "Ted" Haartz P, Enid Ulrich S
1979	Las Vegas, Nev.	F.H. "Ted" Haartz P, Don Rankin VP, Enid Ulrich S, Reg Richardson T, Bobbi Turcotte ZC
1980	Snow Bird, Utah	F.H. "Ted" Haartz P, Michael A. Laux VP, Enid Ulrich S, Reg Richardson T, Bobbi Turcotte ZC
1981	Snow Bird, Utah	F.H. "Ted" Haartz P, Michael A. Laux VP, Enid Ulrich S, Reg Richardson T, Bobbi Turcotte ZC
1982	Memphis, Tenn.	Michael A. Laux P, Verne Scott VP, Dorothy Donnelly S, Reg Richardson T, Bobbi Turcotte ZC
1983	Cincinnati, Ohio	Michael A. Laux P, Verne Scott VP, Dorothy Donnelly S, Reg Richardson T, Gail Dummer ZC
1984	Indianapolis, Ind.	Michael A. Laux P, Verne Scott VP, Dorothy Donnelly S, Reg Richardson T, Gail Dummer ZC
1985	Phoenix, Ariz.	Michael A. Laux P, Verne Scott VP, Dorothy Donnelly S, Reg Richardson T, Dore Schwab ZC
1986	Fort Worth, Tex.	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
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

USMS Annual Meetings And National Officers (Con't)

1994	Kansas City, Mo.	Mel Goldstein P, Jim Miller, M.D. VP, Suzanne Rague S, Lucy Johnson T, Betsy Durrant ZC
1995	Houston, Tex.	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/Ft. Worth, Tex.	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
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, Mark Gill VPMS, Michael Heather VPCS, Leo Letendre VPNO, Julie Heather VPLO, Meg Smath S, Jeff Moxie T
2010	Dallas, Tex.	
2011	Jacksonville, Fla.	
2012	Greensboro, N.C.	
2013		

World Championship Meets

Year	Date	Location	Swimmers
1986	7/12–16	Tokyo, Japan	3400
1988	10/9–16	Brisbane, Australia	3594
1990	8/6–13	Rio de Janeiro, Brazil	1685
1992	6/25–7/5	Indianapolis, Ind., USA	2406
1994	6/4–10	Montreal, Canada	3474
1996	6/23–7/2	Sheffield, England	3837
1998	6/19–27	Casablanca, Morocco	1954
2000	7/27–8/9	Munich, Germany	6184
2002	3/21–4/3	Christchurch, New Zealand	2386
2004	6/3–31	Riccione, Italy	6306
2006	8/3–17	Stanford, Calif., USA	5535
2008	5/15–25	Perth, Australia	5104
2010	7/28–8/7	Goteburg and Boras. Sweden	

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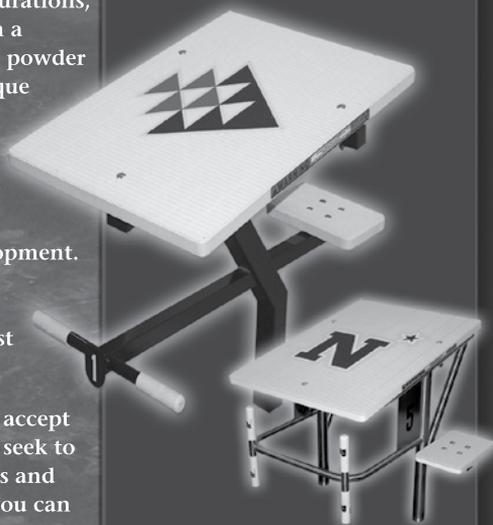


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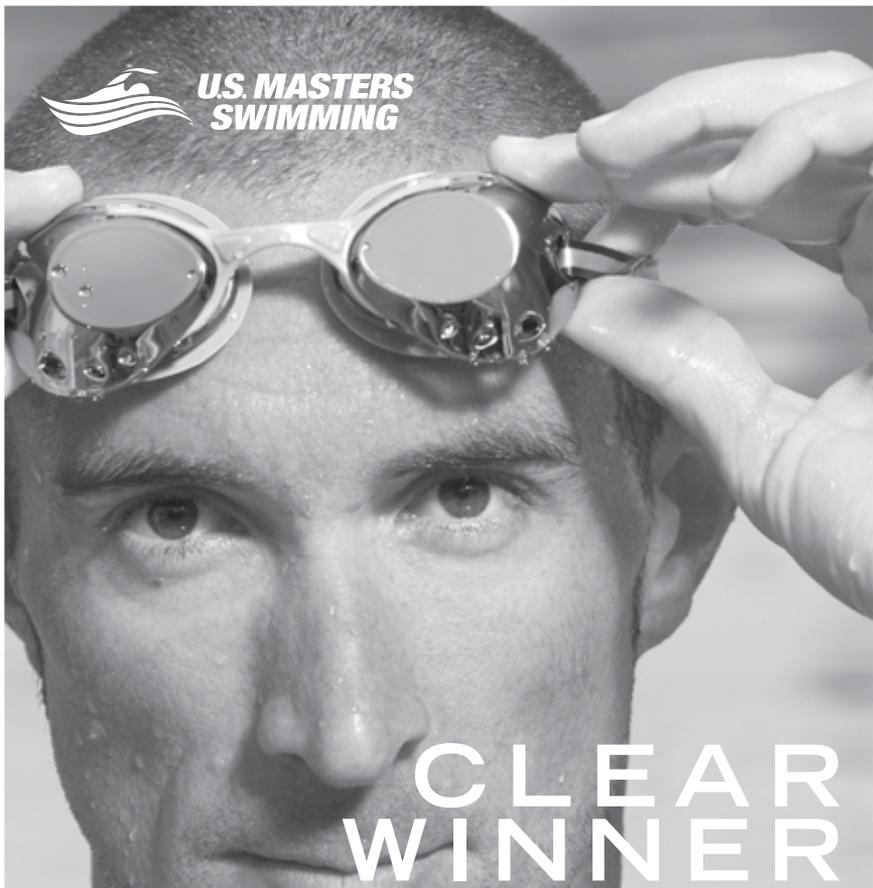
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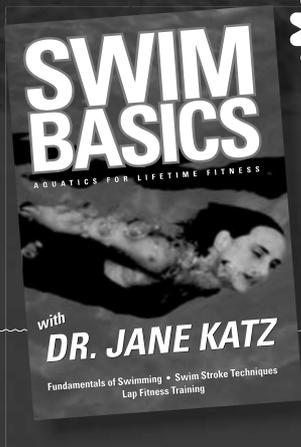
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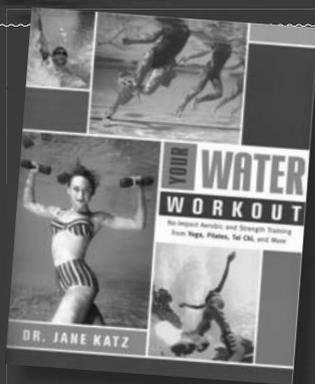
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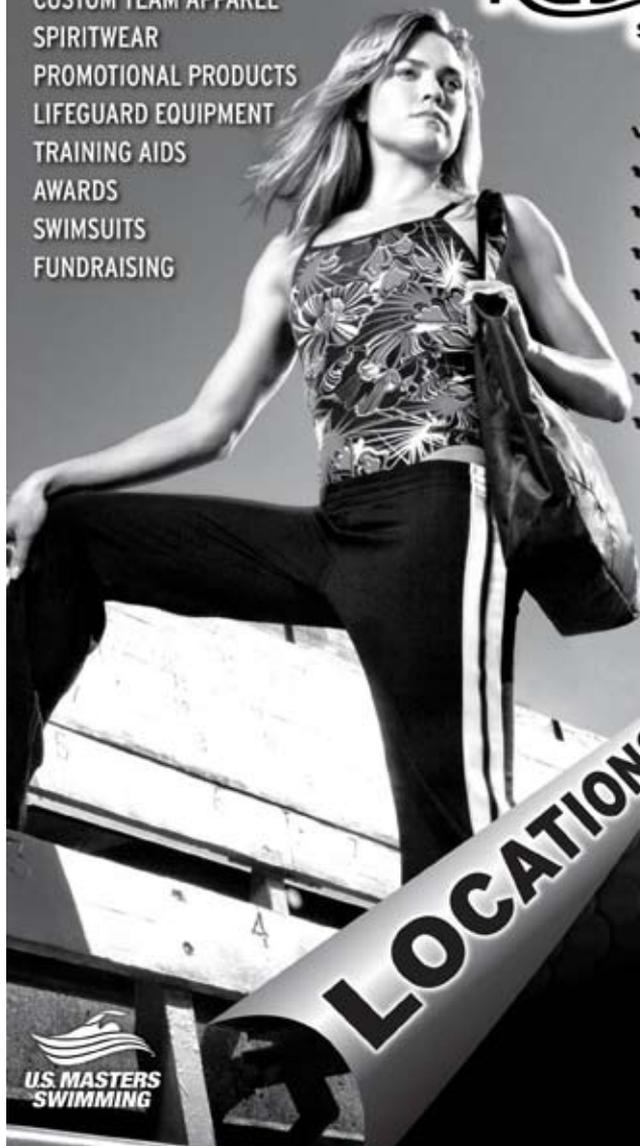
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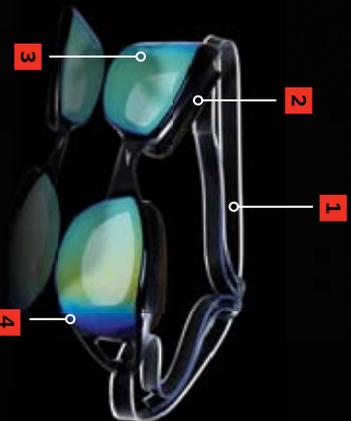
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