



BC Summer Swimming Association
SWIMMING | DIVING | WATER POLO | SYNCHRO

BCSSA Chief Meet Recorder & Electronics Clinic

BC Summer Swimming Association
Officials Certification Program

Today

- ▶ Electronics
 - Introduction to the Timing Systems
 - Role of the Chief Judge Electronic
 - Relationship to Other Officials
 - Review and Questions
- ▶ Chief Meet Recorder
 - Job Description
 - Determining Times
 - Information Flows

BCSSA Official's Certification

- **Level 1 – Junior Pin (Green)**
 - Lane Timer, Place Judge, Lane Recorder & Marshal
- **Level 2 – Intermediate Pin (Red)**
 - S&T, Crash Desk, 2 of the following: Head Timer Clerk of the Course or Electronics
- **Specialist Pin (Orange)**
 - Any of: Clerk of the Course, Hy-Tek, Meet Manager, Chief Meet Recorder or Electronics
- **Level 3 – Senior Pin (Light Blue)**
 - All Level 2 plus Starter, Referee, Meet Manager and CMR
- **Level 4 – Master Pin (Navy Blue)**
 - Evaluated by the Provincial Dir. Of Officials & Written Exam



Philosophy and Behaviour

- *Swim Meets are for swimmers*
- Be as inconspicuous as possible.
 - Avoid being militant or officious
 - Lead by example
- You will earn the respect of swimmers and coaches by being responsible, competent and knowledgeable.
- You must continue to keep up with rule changes (attend a clinic each year to keep up to date).

Philosophy and Behaviour

- Rules and guidelines exist to regulate fair play, and to prevent the unfair advantage of one competitor over the other.
- You are there to ensure fairness; **no unfair advantage.**
- You are also there to provide instruction to swimmers (the errors you point out are the areas the coach will focus on in future practices).
- *Always give the benefit of the doubt to the swimmer.*

Philosophy and Behaviour

- Take advantage of conflict resolution and harassment clinics when they are held in your region.
- Be familiar with the BCSSA Harassment policy.

BCSSA Harassment Policy

- *There will be no tolerance of harassment within the BC Summer Swimming Association.*
- The BC Summer Swimming Association is committed to providing a sport and work environment in which all individuals are treated with respect and dignity.
- Each individual has the right to participate and work in an environment which promotes equal opportunities and prohibits discriminatory practices.

Chief Judge Electronics...

- Oversee the operation of any BCSSA approved Automatic Timing System (ATS).
- Determine if the ATS is in error and advise the referee and CMR of any malfunction or soft touch.
- Observe the touches of all swimmers and note any cases in which the ATS fails to properly record the touch.
- Be positioned with the ATS near the finish end with an unobstructed view of the finish of each lane.
- Be knowledgeable with the rules of swimming and of the ATS. (Swim Section 8 & 9).
- Ensure that the ATS is activated manually to obtain placing when the system has failed to be activated by the starting signal.

Electronics Operator...

- Swim Section 1.C.10 – Shall operate, or assist in the operation of any BCSSA approve Automatic Timing System.
- Reports to the Chief Judge Electronic.

Definitions...

- **Automatic Timing System (ATS)**

An ATS is a system that is activated by the Starter to give the signal to the swimmer to start the race, and will be ***stopped by the swimmer*** when touching the touchpad at the finish of the race.

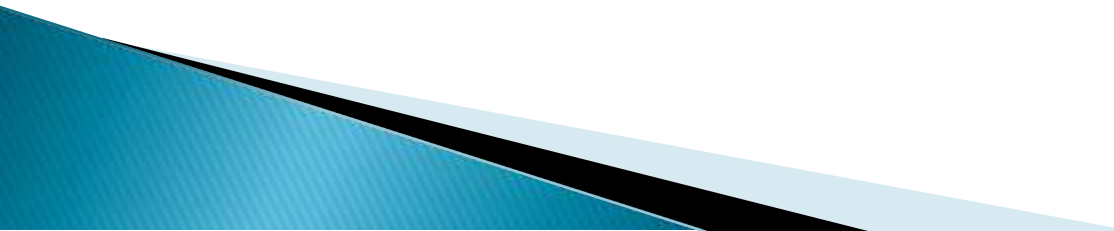
Timing Equipment

- The BCSSA rulebook (Swim Section 8) addresses requirements and standards when using ATS. It is worthy to note that there are different companies producing such equipment, and all are not the same in terms of how they operate.

Timing Equipment – BCSSA Approved

- Omega “Ares-21” and its accompanying software.
A newer and enhanced computer based system that has all of the functions of the OSM-6 system (Old Omega System) with added features.
- Colorado Timing System
A more basic and easier to learn system, which can be used for primary and/or secondary timing. Can be used with 1, 2 or 3 plungers. This is the system most commonly owned by regions/clubs and used in BCSSA.

“Soft” Touches

- ▶ If a swimmer does not activate the “Touchpad” on the finish, the swimmer had a “soft Touch”.
 - ▶ Electronics operators would then consider it a touchpad failure and the times recorded by the plungers would be used.
- 

Rule Clarifications – Changed in 2011

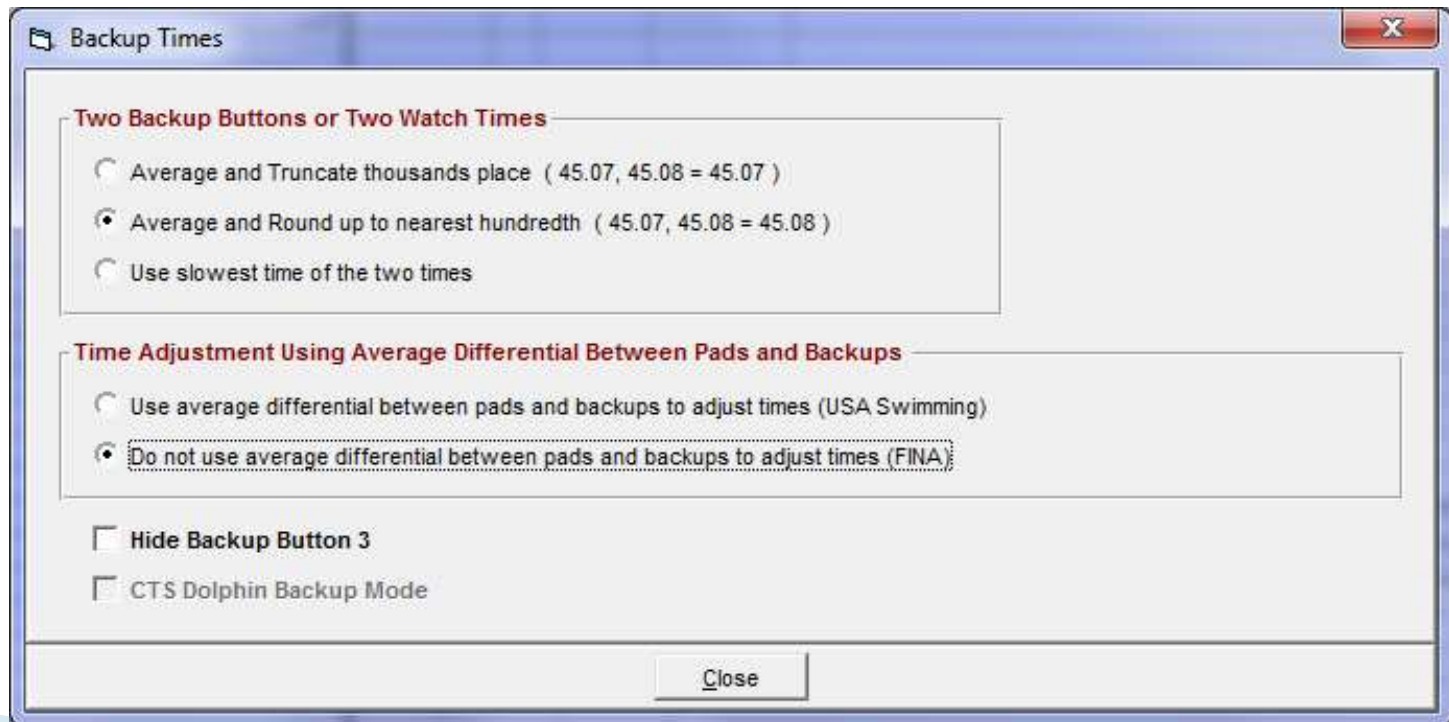
- ▶ Times recorded by plungers are to be considered as part of the ATS. Therefore, Plunger times are recorded to $1/100^{\text{th}}$ of a second.
- ▶ Before 2011, plungers were still considered manual times and were rounded to $1/10^{\text{th}}$ of a second.
- ▶ Rounding of plunger times:
 - If 2 out of the 3 plungers record the identical time and the third disagrees, the two identical times shall be the official time.
 - If all 3 plungers disagree, the intermediate time shall be the official time.
 - If only two out of the three plungers are considered valid, the times shall be averaged and rounded up to the next 100^{th} .

Rule Clarifications – Changed in 2014

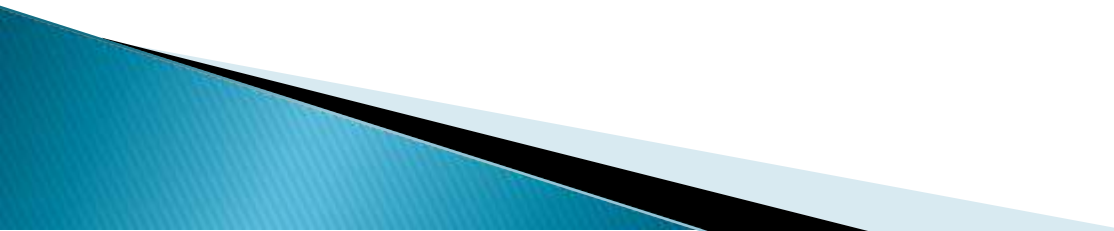
- ▶ Manual times will be recorded to the 100th on the stop watch.

Settings for Backup Times in Hy-Tek

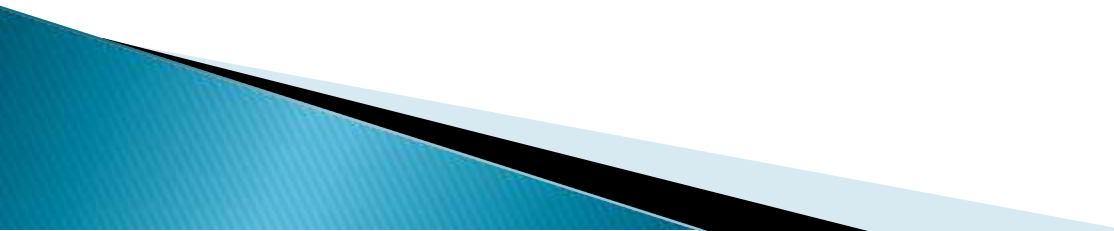
- ▶ In Meet Manager, select the “Run Menu”.
- ▶ Next, select “Preferences” and “Backup Times”.
- ▶ Select the correct options as displayed above.



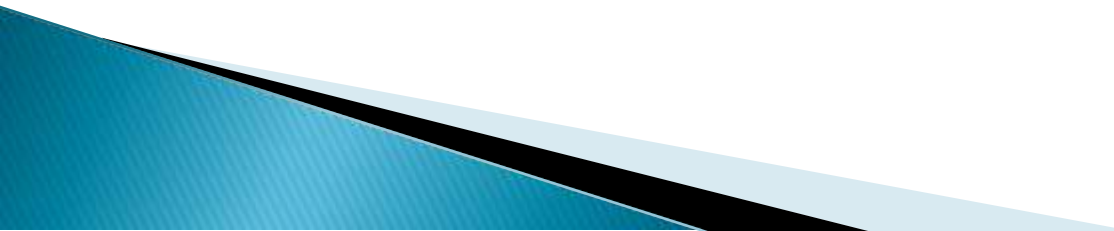
Equipment

- ▶ Rulebook for reference
 - ▶ Pencils and Sharpener
 - ▶ Meet Package and Heat Sheets
 - ▶ Paper for printer!
 - ▶ Small baskets are useful for organizing timing system print outs.
- 

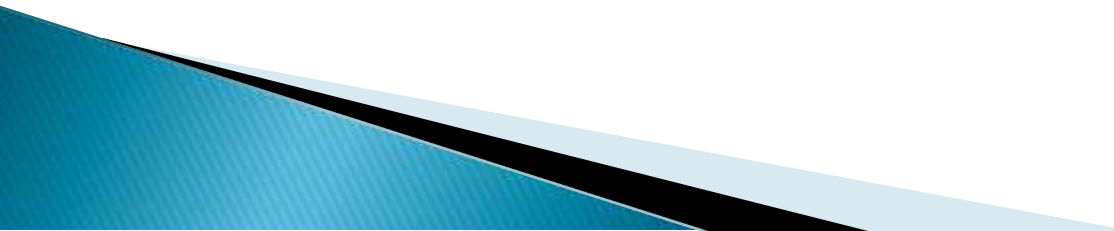
Prior to the Session

- ▶ Review the process with the electronics operators.
 - Review the meet format.
 - Review the set-up of the timing equipment, anticipated problems and their resolution to minimize disruption of the meet.
 - Agree on the decision making process in the event of timing discrepancies, soft or missed touches, or other timing issues.
- 

Before the Start of Racing

- ▶ Ensure the proper setup of the equipment.
 - ▶ Ensure synchronization of the timing devices.
 - ▶ Test the start devices, touch pads and plungers.
 - ▶ Test the outputs for the timing devices such as the data transfer to Hy-Tek MM, and scoreboard and the paper output.
- 

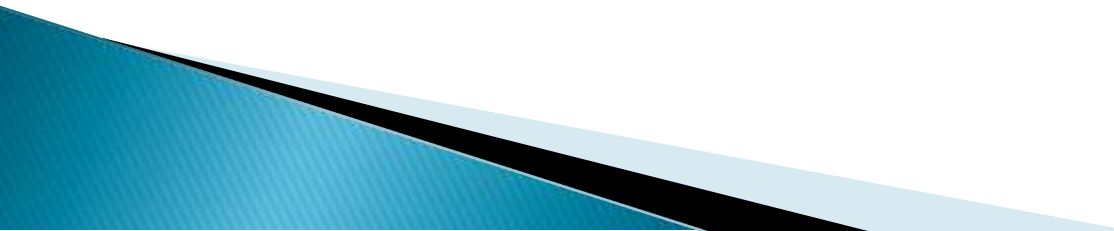
During the Meet

- ▶ Observe all touches to judge their quality. The Electronics Operators commonly perform this function, but the ultimate responsibility falls to the Chief Judge Electronics.
 - ▶ Check for failures of the equipment or incorrect operation and attempt appropriate corrections. This must be done in consultation with the referee to minimize delays in the meet, and to expedite corrective action.
- 

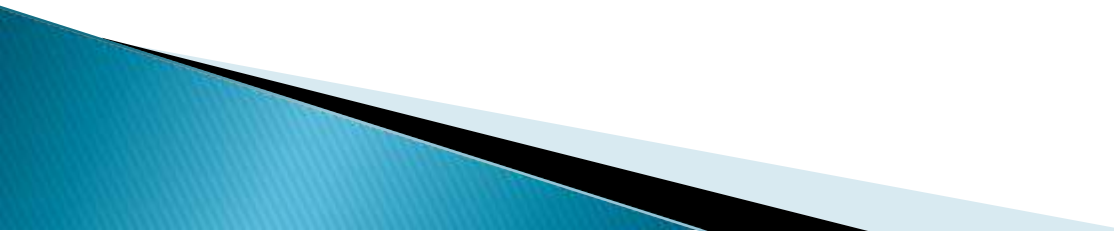
During the Meet (cont.)

- ▶ On the print-out of information from an electronics operator of a failure of the Automatic Timing System to properly record a time, oversee the correction of incorrect times by examining the results produced by the backup timing device or consulting with the referee.

During the Meet (cont.)

- ▶ Be available for consultation by the Referee and Chief Meet Recorder in the event of a discrepancy or dispute over times or placing.
 - ▶ Must be able to interpret the information received from the timing system print-outs to the satisfaction of the Referee and in the Adjudication of protests.
- 

Location of C.J.E.

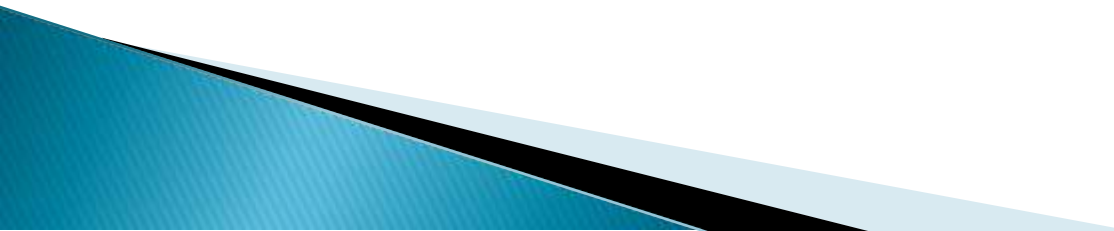
- ▶ Best location is at the side of the pool with a clear view of all lanes and all touch pads. The preference is to be on a raised platform so nothing will interfere with the view of the end of the pool. A secure room away from all disturbances by persons not directly involved in the operation of the electronics is the ideal location.
 - ▶ You must be accessible to the referee to resolve any timing problems. A telephone or radio system can accomplish this satisfactorily.
- 

Scoreboard

- ▶ Scoreboard times generally will not be official times.
- ▶ In rare occasions, the times posted on the scoreboard will be determined to be the official times. Soft touches will have to be manually adjusted.
- ▶ Clarify with Referee, what the signal is to state that the system is reset after each race.

The resetting of the running time to zero or the clearing of all times from the scoreboard usually signifies this.

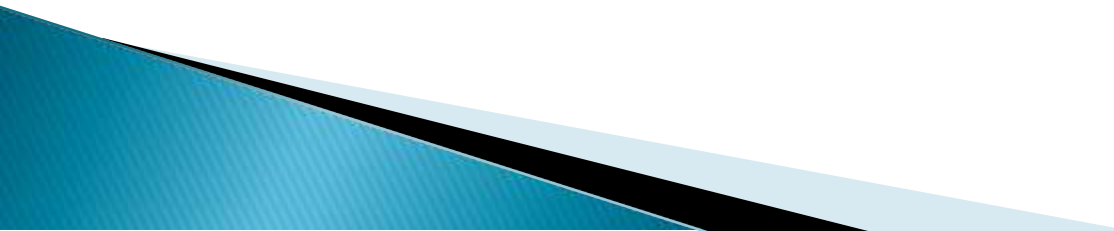
Briefing with the Referee & Other Officials

- ▶ *Determine how the referee wishes to be involved in the decision process in the event of timing discrepancies.*
 - ▶ *Advise the referee of the circumstances where the quality of the electronic timing cannot be judged.*
- 

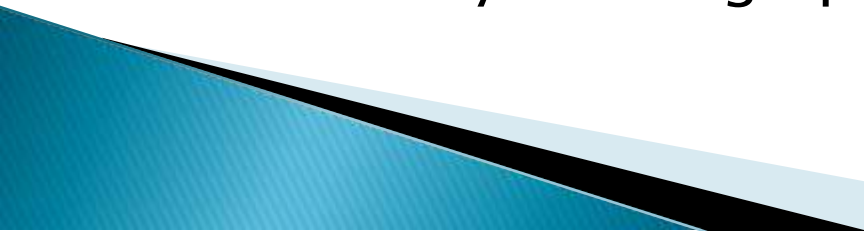
Relationship to Other Officials

- ▶ *The rules require that the CJE should inform the referee of malfunctions or other problems during the meet, but in practice many referees leave it up to the “Electronics Team” of people.*
- ▶ *CJE makes most of the decisions about times and places sometimes in consultation with the CMR and the referee. The referee has final say in all decisions, however many times relies on the CJE. This practice results from the CJE having more complete knowledge of the reason for the incorrect times and places based on how the equipment operates.*

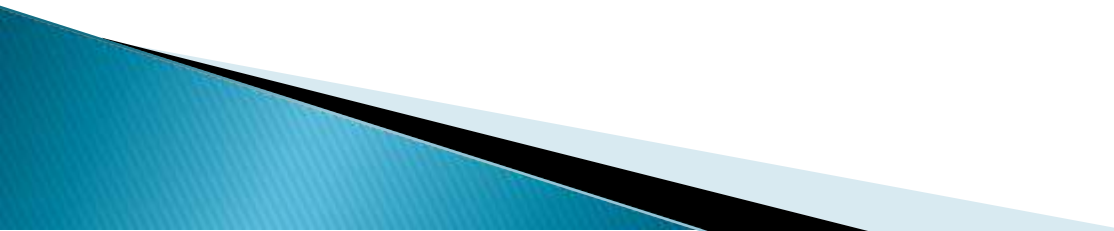
After the Meet

- ▶ Remain available to the CMR to analyze any problems with the results.
 - ▶ Current types of software based timing equipment store the raw data from each race, so it can be retrieved after the event is finished.
 - ▶ Debrief with the CMR to correct any problems during the meet.
 - ▶ Discuss with the referee and meet manager any difficulties that were encountered.
- 

Qualities in a CJE

- ▶ Thorough knowledge of the rules of swimming
 - ▶ Good eyesight
 - ▶ Excellent judgment
 - ▶ Patience
 - ▶ Ability to focus
 - ▶ Attentiveness
 - ▶ Diplomacy
 - ▶ Strong understanding of the belief in computers and electronics
 - ▶ Sense of humor (as us true for all swimming officials!)
 - ▶ Basic understanding of electronics
 - ▶ Familiarity with high pressure troubleshooting
- 

Now... Chief Meet Recorder



Overall Job Description

- Supervises the Results Office (formerly known as the 'Crash Desk')
 - Ensures rules governing place judging and timing applied correctly – (swimmers' official times and order of finish)
 - Organizes volunteers working in the Results Offices
- Rules a CMR must know:
 - Timing (Section 8)
 - Place Judging (Section 9)
 - Scoring (Section 10)
 - Seeding and Lane Assignments (Section 7)

Overall Job Description – cont.

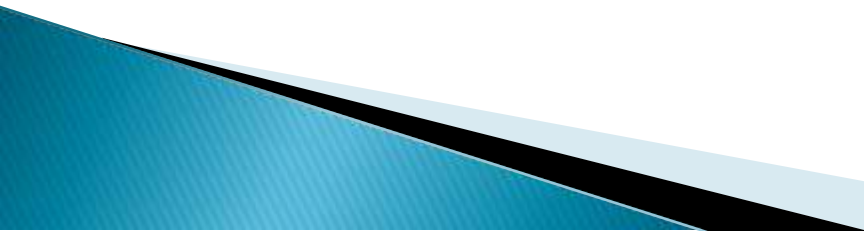
- Also responsible for:
 - Reviewing and signing off on final results (CMR Role, not the Referee.)
 - Issuing final results
 - Posting results
 - Working with the “Electronics Team” in terms of timing and results.
- Once results are reviewed and “signed off” by the CMR, they are final and not to be reviewed again by others, nor changed without authorization from the CMR or Referee.

What Happens in the Office?

Information Comes In:

- Electronic Time Sheets
- Manual Times (if applicable)
- Place Judge Slips
- DQ Slips
- Scratches (from the Clerk of the Course)

Information Goes Out:

- Official Results and Times once Signed Off by the CMR
 - Labels for Ribbons and/or Medals
 - Information for Announcer (e.g.: Meet Records)
- 

Decisions are based on...

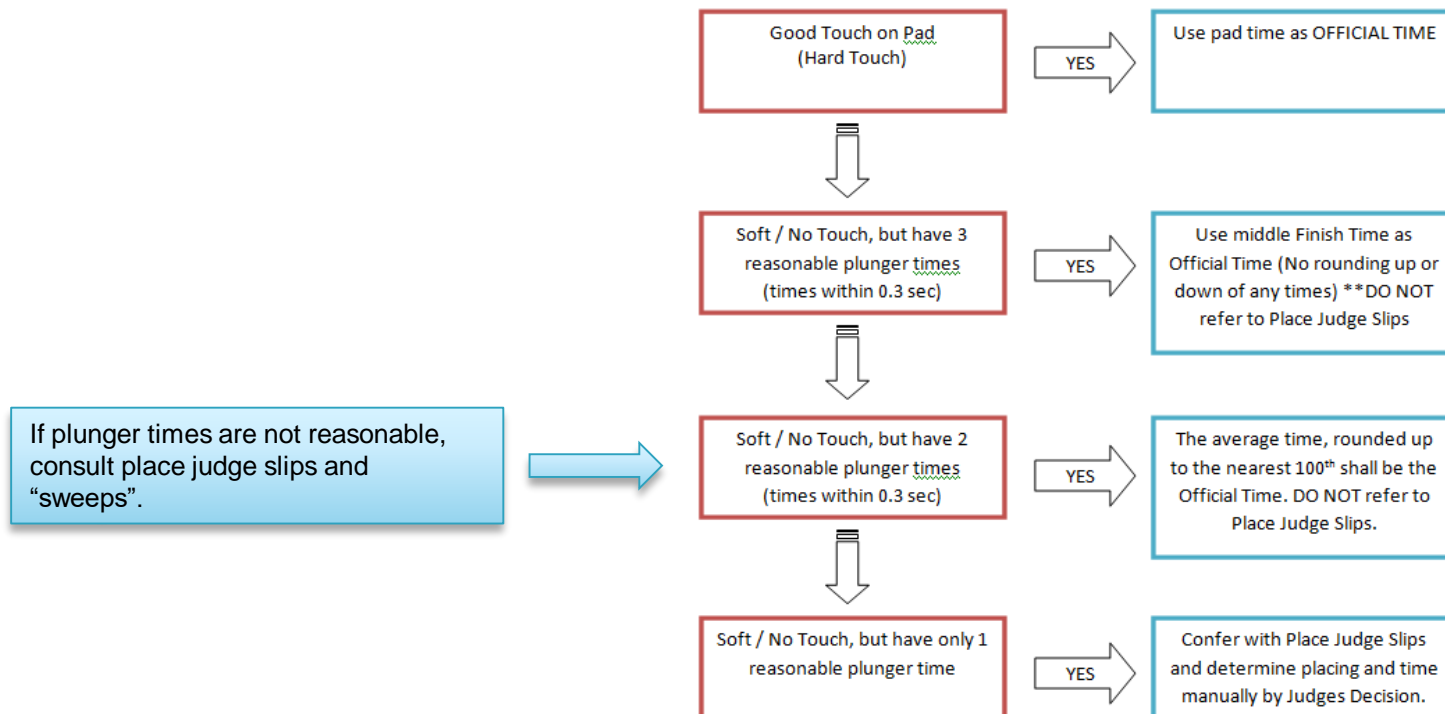
1. *Electronic Times*
2. *Place Judge Slips*
3. *Manual Times*

In order of importance.....



Determining an Official Time

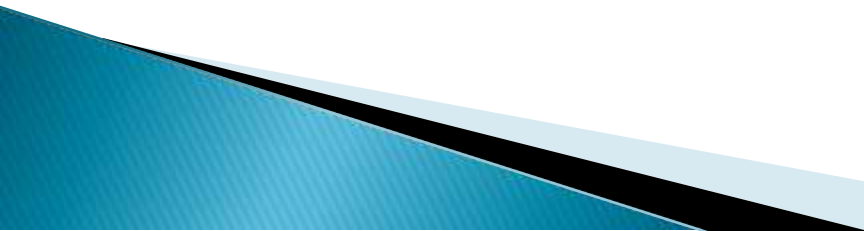
FLOW CHART Determining Official Times



Calculating Electronic Times (For BCSSA Cardless Competitions)

Pad Time	Plunger 1	Plunger 2	Plunger 3	Official Time	Official Place	Rationale
0:32.75	0:29.63	0:29.66	0:29.53	0:29.63	1	Soft Touch – Take middle plunger time.
0:30.04	0.30.23	0.30.14	0.30.09	0:30.04	3	Hard Touch – Use Pad Time.
0.33.55	0.31.99	0.31.99	0.31.85	0.31.99	4 – Tie	Two Identical Plungers
0.33.02	0.30.02	0.30.03	--	0.30.03	2	Soft Touch – Average Plungers and Round up to nearest 100 th .
0.31.99	0.31.89	0.32.05	0.32.06	0.31.99	4 – Tie	Hard Touch – Use Pad Time.

Resolving Contradictions

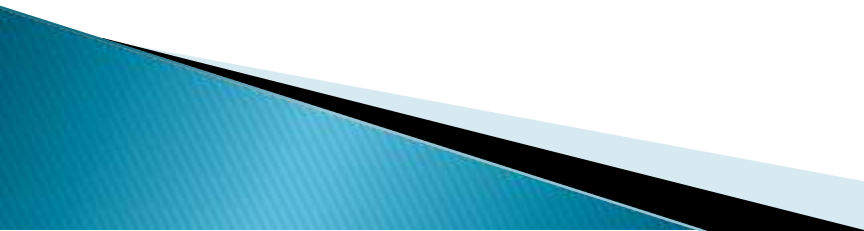
- When there are only two good plungers you may need to consult sweeps and place judge slips in the event of a soft touch at the discretion of the CMR or designate.
 - If there is only one “good” plunger time and the Place Judges don’t agree, get Order of Finish from the Referee & Starter’s “sweeps”.
 - If Place Judges and a manual time/coaches time agree, but electronic times do not, there may be a problem with the Electronic Timing System. (Note: Coaches times are for comparison purposes only and are not to be used).
 - If there is a major discrepancy between or among the electronic times, “Sweeps” and Place Judges, ask the Electronics people to investigate and refer to the rulebook for ruling on the situation. If there was a major timing error and correct placing can’t be determined a re-swim may need to be called.
- 

Information Goes Out

Final Results

- After CMR Approval, use Pink and Blue Highlighters to distinguish males and females and post the results separately by division.
- Ensure points are included on the “final” results, “heats” won’t have points on the results. (Rulebook Section 10)
- If there is a protest, hold the results until the jury of appeal has made their decision. If results have already been posted, go and write “Under Protest” on the results that are posted. Once the jury is over and if a change is necessary, write “REVISED” on the new results, write down the time and post.
- If you are waiting for DQ’s the results can’t be processed. If the results are processed and a DQ comes into the Results Office, re-post the corrected results with “REVISED” marked on the results and write down the time.
- Ensure exhibition swimmers’ results are noted correctly.
- Hy-Tek MM will seed finals (for a heats and finals meet) based on input – but, CMR need to ensure accuracy during heats to ensure Hy-Tek MM will seed the correct swimmers. (See Rulebook Section 7)
- Volunteers doing awards get print-outs and labels for awards (they check these)
- *THREE copies of results: (1) Posted; (2) File; (3) Awards [for finals only]*

Information Goes Out

- Advise Announcer about:
 - Meet Records
 - Point Standings
 - Consult with Meet Referee as appropriate:
 - Contentious Results
 - Uncertain Placing
 - Potential Swim-Offs
 - Questionable DQ wording
 - Discrepancies (e.g.: Swimmer in wrong heat or lane?)
 - Swim-Offs
 - A “Swim-Off” Event is created in Hy-Tek MM
 - Inform the Meet Referee as soon as possible so it can be scheduled in and the swimmers informed. [times in swim-offs can count as records, but cannot change overall placing].
- 

CMR Responsible for...

- Heats and Finals Sheets:

- Ensure copies of Heat sheets are printed, collated, stapled and distributed (Crash Desk, Clerk of the Course, Coaches, Deck Officials, Timers, Announcer and Electronics.)

- General:

- Copy of Final Results together with all other information for each Event (heats bundled together) is filed and, after the meet, stored for a year.
- RESULTS MUST BE STORED FOR ONE YEAR AFTER THE MEET.

CMR Responsible for...

➤ Volunteers

- Volunteer at laptop beside Timing System collecting times
- Volunteers (2) in office entering DQ's etc.
- Volunteers photocopying and posting results.

➤ Supplies & Equipment

- Computers, printers, photocopiers
- Office Supplies and Stationary

➤ Ensure no unauthorized entry into the Results Office

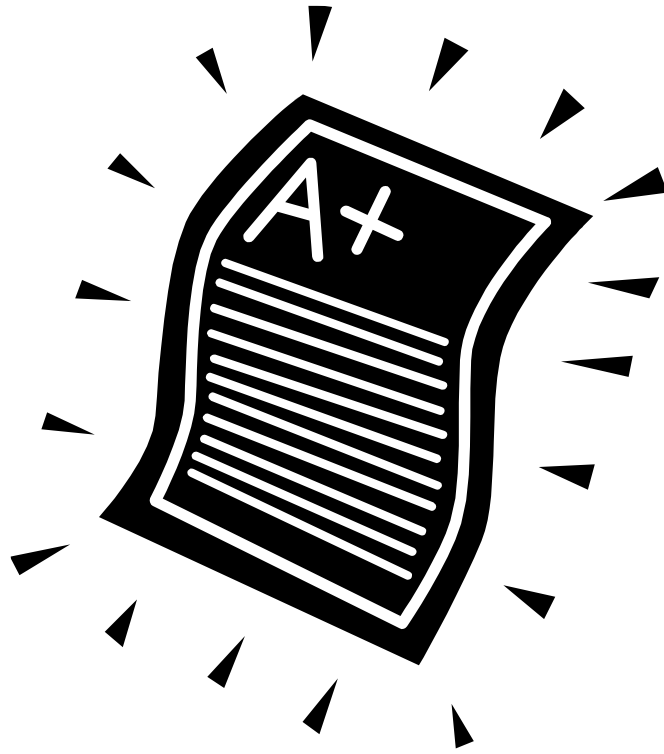
- No coaches unless with the Session or Meet Referee.

➤ Emailing out the Results to the participating clubs and the BCSSA Office.

Now for a little practice...



Quiz...



Thank-You for Attending

- ▶ If you have any questions please ask the course conductor.
- ▶ Please ensure to have the conductor update your Yellow Official's Certification card.

