

**ECA Canoe Sprint
Obligations of the Competition Organiser in relation to TDSP**

Obligations of the Competition Organiser

All facilities

The Competition Organiser must prepare the Start Tower, the Intermediate Timing Huts, the Finish Tower and all other facilities necessary to be ready on the date as requested by the Timing and Data Service Provider to start the installation of their equipment.

The OC shall provide the following:

1. Board and lodging:

- Reservation and payment of accommodation (single-bed rooms, shower, toilet) and full board for the TDSP technicians shall be provided during the competition, beginning from the first day of the installation of the equipment until the day after the venue shutdown.
- The accommodation of the TDSP service team should be in close proximity to the regatta course in a hotel of international standard, together with the ECA Officials in the ECA Hotel.

2. Volunteers

The number of volunteers and services expected to be provided to be agreed in advance. The number of volunteers and the daily working hours, during the installation day(s) as well as at the day of the venue shutdown (beginning approximately one hour after the last race) shall be agreed in advance. There should also be support for transportation of equipment along the course by truck and boat provided.

Note: These same persons must be allocated to the same positions during the preliminary tests and throughout the entire competition.

3. Miscellaneous

- All relevant facilities e.g. Finish Tower, Start towers, Intermediate Timing Huts, for the period from the first installation day until the venue shutdown must be available to TDSP according to their needs and schedule.
- If the Start, or Intermediate-time-keeping points are floating on the water, and if they can only be reached by boat, the OC shall provide a boat to TDSP from the first installation day until the venue shutdown.
- TDSP's staff members must be provided with accreditations allowing them access to all locations where TDSP technology and the ECA officials are allocated. Additionally, TDSP will need passage permissions to the Finish Tower and the Start area for up to 2 cars during the entire period before and during the competition.

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4. Technical Requirements

Start Towers

- Lockable - the room for the Timing equipment should be closed in order to avoid possible damage due to bad weather conditions.
- Power supply (120/220V, 16A, separately fused) - due to TDSP needs
- Starter's Control box for start signal to finish tower, connected to the start system.
- A Start impulse contact and connection in the Finish Tower to TDSP
- An entirely independent communication link between the Starter and the finish line;
- Start line video camera at each starting position (1000, 500 and 200m) with sound and slow motion and a "freeze frame" device which will freeze the picture at the instant the Starter presses the button to give the start signal; highest quality with sun filter; must be provided with a cover providing protection against sun and rain. Supporting hardware and software for immediate video analysis by the starter included.
- At each starting position/tower (1000, 500 and 200m) one (1) large digital clock visible from the boats on the Start Line and from a minimum distance of 100 m - showing the official regatta time (hours and minutes) - synchronised with the clocks in the Finish Tower and the Boathouse Area. Minimum height of the digits should be 30cm.
- Desk for the installation of the Starter' Control box.

Intermediate Timing Points

- Lockable - the room for the Timing equipment should be closed in order to avoid possible damage due to bad weather conditions.
- Power supply (120/220V, 16A, separately fused) - due to TDSP needs
- Table and chairs for three people.

Finish Tower

- Cabling - the requirements to be confirmed by the TDSP
- Lockable - the room for the Timing equipment has to be closed in order to avoid possible damage due to bad weather conditions.
- Power supply (120/220V, 16A, separately fused) - Due to TDSP needs
- Installation of a High Speed Internet
- Operation space for results, timing and Photo-finish camera equipment.
- Fixing device for 2 Photo-finish cameras
NB: The fixing device must be shock-absorbent and wind shielded
- Removable wire, marking the Finish line, fixed in front of the Photo-finish camera at Competition Committee/Photo-finish level exactly in line with the horizontal finish line. Maximum 2 mm thick and black colour. It must be vertical and fixed absolutely firmly and tight, positioned between the photo-finish video cameras and the horizontal finish line. The second wire at the Finish Line judges level remains all the time, fixed behind the Photo-finish camera.
- The Timing cables must be brought from outside the finish tower and connected to the timing system
- A Cable Conduit for the cables connecting the equipment on the roof of the finish tower brought outside at the ground level.

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5. Timing and Data Cable Specifications for Organisers Timing Cables

The TDSP to confirm the requirements for the Timing cables.

Network Connections

- Network Connection between Timing Level Room and Backup Timing room.
- Network Connection Timing Level Room and ID Control
- Network Connection Timing Level Room and 2nd boat control
- Network Connection Timing Level Room and all start positions
- Network connection to Copy Center, ECA Office and the Press Center
- High speed Internet Connection free-of-charge, installed at the Timing level in the Finish Tower

NB: for the exclusive use of the Timing and Data service team from their arrival day until the last racing day.

Power Cables

Power Supply in the Start Towers and in the Finish Tower (120/220V 16 A)

Power Supply in all Intermediate Timing huts (120/220V 16 A)

Power Supply at ID and 2nd boat control (120/220V 16 A)

Radio connections

- between Timing Level Room and all Start Positions
- between Timing Level Room and Intermediate Timing positions coordinator