

# London 2012 Olympic Sailing competition

## Timing and Tracking Instructions

**These instructions are issued pursuant to SI 41.1 and 41.1.8. Discretionary Penalties [DP] apply to all these rules and Standard Penalties apply to those marked [SP] in this document or in the Sailing Instructions.**

## **1 Overview**

- 1.1 All Events in London 2012 will have GPS tracking and electronic timing.
- 1.2 Each boat shall carry at least one securely mounted GPS tracking module at all times whilst afloat.
- 1.3 Each boat shall carry a securely mounted RFID chip at all times during the Competition.
- 1.4 Each boat is responsible for the attachment, mounting and removal of their assigned Timing and Tracking equipment.

## **2 Procedures**

- 2.1 The GPS tracking socket and RFID chip shall be attached during the Equipment Inspection process.
- 2.2 Boats shall collect and return their GPS tracking modules in accordance with SI 2.6 and 2.7.
- 2.3 At the completion of competition, GPS Tracking Socket and RFID chip shall be returned to the Athlete Tracker Distribution cabin.
- 2.4 The Athlete Tracker Distribution cabin is located in the boat park at one end of the Mixed Zone and will be open from at least 90 minutes before the first scheduled race of the day.

## **3 GPS tracking module attachment [SP]**

- 3.1 The GPS tracking modules shall be mounted securely to their tracking socket before the boat leaves the WPNSA Marina and remain there until the boat returns to shore, except as follows:
  - 3.1.1 The GPS tracking module may be supplied or exchanged by a representative of the Organising Authority after the initial collection.
  - 3.1.2 For match racing, the assigned GPS tracking module shall remain with the team and mounted securely on the GPS Tracking Socket while aboard their assigned boat.

## **4 GPS tracking socket and RFID chip fitting**

- 4.1 The GPS tracking socket will be:
  - 4.1.1 cable tied to the Elliot 6, 470, Laser, 49er, Star;
  - 4.1.2 velcroed with a safety line to the Finn;
  - 4.1.3 secured by rope to the RS:X.
- 4.2 The RFID chip will be:

- 4.2.1 cable tied to Laser, RS:X, 49er;
- 4.2.2 velcroed (and edges taped if desired) to Star, Finn, 470 and Elliott 6m.

## 5 Medal races

- 5.1 The Organising Authority will fit a second GPS tracking socket to boats in the Medal Race, before the boat is released from Quarantine.
- 5.2 Boats shall collect two GPS tracking modules and securely mount them in any order.

## 6 Assistance or enquiries

- 6.1 Boats, teams or athletes requiring assistance fitting GPS tracking sockets or RFID chips should contact their Equipment Inspection ITO.
- 6.2 Boats, teams or athletes requiring assistance mounting Timing and Tracking equipment should visit the Athlete Tracker Distribution cabin in good time before going afloat.

## 7 GPS tracking socket and RFID chip location

### 7.1 Laser and Laser Radial

- 7.1.1 GPS tracking socket: 400mm above the deck on the centre front of the mast.
- 7.1.2 RFID chip: vertically, 280mm above the deck on the bow side of the mast.

### 7.2 49er

- 7.2.1 GPS tracking socket: 200mm back from the mast on top of the boom.
- 7.2.2 RFID chip: 80mm up the rear-most camera support on the portside. The chip should be as vertical as possible and facing the bow.

### 7.3 470

- 7.3.1 GPS tracking socket: at the outer most end of the starboard arm of the camera mount located on the transom of the boat.
- 7.3.2 RFID chip: at the top of the inside port transom, 200mm from the port edge of the camera plate, orientated vertically.

### 7.4 Star

- 7.4.1 GPS tracking socket: on the port side of the mast, 60mm above the deck
- 7.4.2 RFID chip: on the port side of the boom 200mm from the back of the mast, orientated vertically.

### 7.5 Finn

- 7.5.1 GPS tracking socket: on the centreline 60mm in front of the mast, with the safety line secured to the mast and the antenna towards the bow.

- 7.5.2 RFID chip: on the port side of the boom 200mm from the front of the boom, orientated vertically.
- 7.6 RS:X
  - 7.6.1 Attach to the loop on the sail inside of the mast sleeve by the boom, with a strop containing the GPS tracking socket and RFID chip.
- 7.7 Elliott 6m
  - 7.7.1 GPS tracking socket: on the underside of the tiller.
  - 7.7.2 RFID chip: vertically in the middle of the camera bracket.
- 7.8 Images showing the location of the devices are available in the OMEGA GPS Tracking and RFID Mounting Manuals.