Additional AIR+ configuration possibilities for stations BSF8

February 2015

To support the special requirements for the SIAC at an event using AIR+ configuration, there are additional operating modes for the SI-Stations BSF7/8. These operating modes can be configured by SI-Config V2.6.2 (and higher). The station requires the firmware version 5.82 (and higher).

SIAC ON and SIAC OFF

These operating modes activate and terminate SIAC's AIR+ functionality. In the context of an event usage cycle, the AIR+ functionality is typically activated by the CHECK station and terminated by the FINISH station. Using SIAC ON/SIAC OFF is an alternative way, the only difference is that no record is written into the SIAC.

By means of these operating modes several training sessions with breaks in between are supported during one day. Data are collected over the day and a final evaluation can be done afterwards.

SIAC Radio readout

Station programmed in this working mode triggers SIAC to send out all data records stored by internal radio. To receive the data, a SI-SRR dongle is needed. This readout process is comfortable and fast. Data are transmitted record by record. Each record features additional millisecond time stamp information. These millisecond values are not available when data are read out by a BSM7/8 readout station.

Data read out are not stored in the Radio readout stations backup memory.

SIAC Battery test

SIAC's battery voltage is measured and shown at stations service display. An acoustic signal "normal beep" indicates the "ok" case. If the battery voltage is low there is a "warning" signal – several beeps at higher frequency.

In case of no feedback signal, the battery voltage is below the critical level and the SIAC can not be used. Battery service is needed.

Stations battery voltage evaluation software considers the temperature dependency of the battery voltage.

Voltages measured are stored in stations backup memory. Information consisting of SIAC ID and the battery voltage can be read out by using SI-Config.

We recommend conducting the test before every event. Stations should be placed in the event centre, so athletes can use it early before start.