Emit Touch-Free System for Orienteering

The *Emit Touch-Free System* for orienteering is based on our *emiTag* active, timing chips, used in a variety of sports. In addition we have developed the *Emit TFP (Touch-Free Pro)* control units, which enables «punching» at a distance. The TFP's can be used together with an *Emit Time Station (ETS1)* to get online, intermediate times. An *ECU Tag Reader* is used to read the emiTags after finish, to check that all the runners have been at all the correct controls.

emiTag chip

Active, electronic timing chip used in a variety of sports. The emiTag registers time and code for all controls it detects. The built-in, orange LED flashes sharply for ten seconds when a control is detected. It has a storing capacity of 500 controls, with control codes and times. The built-in lithium battery is estimated to last for five years. Comes with a velcro-band to fasten the emiTag to your arm, or leg. The emiTags can also be combined with a GPS tracker.

TFP control unit

The TFP control units are made especially for orienteering - to enable punching at a distance - using the emiTag chip. The TFP's are produced with codes from 100 to 199. Other codes can be made if necessary. In addition there are two special TFP's; TFP Start and TFP Finish. All TFP's have an integrated backup unit, which takes over when the main unit runs out of battery.

ETS1 time station

The ETS1 can be used together with a TFP control unit to get online, intermediate times. A built-in gsm-modem transfers all data to our online servers within a second, and the data can be downloaded directly to *eTiming,* or any other compatible timing software.

ECU tag reader

The ECU tag reader is used to read the emiTags after finish, to check that the runners have been at all the correct controls, in the correct order. The ECU is connected to an available USB-port on a PC, and the data is transfered to the timing software in use.

FACTS:

- ✓ **Storage**
  Up to 500 controls codes and punching times are stored in the emiTag chip. In addition the TFP's store all punches.

- ✓ **Backup system**
  The TFP's have an integrated backup unit, which takes over when the main unit runs out of battery.

- ✓ **Online times**
  An Emit Time Station ETS1 can be used together with a TFP, to get online, intermediate times at any control.

- ✓ **Weatherproof**
  Both the emiTags and the TFP's are waterproof, and can be used in temperatures from - 20 to + 50 degrees.

- ✓ **Lifespan**
  The internal battery of the emiTags has a lifespan of five years. The TFP's lifespan depends on usage; in continous mode the battery lifetime is 2000 hours.

- ✓ **Warranty**
  Both the emiTags and the TFP's have a standard two years warranty.