



## **“Wireless 2016” Contest - Regulations**

“Wireless 2016” is an international contest for the development of a Wireless Hit Registration System for fencing (WHRS).

The FIE organises and hold an open international contest for the development of a new Wireless System (WS) named: **“Wireless-2016”**

### **Goal**

The Contest's goal is the development and production of a modern WS that reliably registers hits in all three weapons. The new WS must be easy to operate, reasonably priced and must be ready to use by the first round of competitions. The system components which are to be affixed on fencers must become part of their personal equipment.

### **Rules Governing Contest Duration and Participation**

The FIE will announce the beginning of the contest on the FIE website as well as in other available medias.

It has established a WS Committee charged with accepting and evaluating the systems brought forth.

### **Members:**

2 SEMI Commission members: Semion Rikhtman (RUS), Giandomenico Varallo (ITA)

2 Rules Commission members: Lutz Schirmacher (GER), Pierre Thullberg (SWE)

1 Refereeing Commission member: Claus Janka (GER)

2 Coaches Council members: Vladislav Pavlovitch (RUS), Gennady Tychler (RSA)

The duration of the Contest will be one (1) year from the announcement of its launch by the FIE.

Everyone wishing to take part in the Contest must send the required initial application request form to the FIE. See Annex.

The STM Company may participate in the Contest on condition that it develops an entirely new WS.

The participants must send a sealed envelope containing the description of their wireless system's working principles to the FIE within two months of the Contest launch (to avoid any disputable situations).

The participants must also hold the initial tests no later than three months prior to the Contest's end (simultaneously on no less than three pistes) at its federation's competitions.

The results and conclusions of the tests are to be signed by representatives of the candidate's national federation and must necessarily indicate the system's retail price. The results and conclusions of the tests are to be sent to the FIE.

For the second stage, the FIE will organise the simultaneous testing of all the WS variants, during which time the sealed envelopes, previously sent and containing product descriptions, are to be opened.

The FIE WS Commission will select the most promising variants, proceed to the necessary additional tests and announce the Contest Winner.

### **Special Conditions**

The FIE will sign a contract with the Contest Winner for the delivery of no less than one thousands sets of the single piste WS system. Upon the introduction of additional special regulatory provisions (including equipment), the FIE shall be the titular owner of all rights to these additional special regulatory provisions, for which the producers may not file for patents.

### **Initial Request for "Wireless 2016" Contest Participation Form**

See Appendix 1

### **General Technical Requirements for WS development**

1. The system must register hits with utmost reliability across all three weapons (foil, epee and sabre) in accordance with the existing rules. The development of either a "universal" system or of a separate system for each weapon will both be accepted.
2. The system must suffer no interference from external signals and frequencies (such as TV, Internet, video, radio, etc.).
3. The system's primary function is to provide a "competition" mode and must allow direct connection with the existing FIE-approved wired apparatus. A training mode must also be possible with additional indications, but it cannot be the principal mode.
4. The system cannot affect competition organisation safety. All equipment changes must be approved by the FIE.
5. The system must allow for the organisation of competitions on a minimum of 24 pistes simultaneously. If possible, transferring from one piste to another should not require any equipment change.

6. The system should not require special licenses for its use in competition in different countries. It must include all the necessary safety certificates of present production.
7. The system must work safely in diverse climate conditions and various types of rooms, as well as taking into account the athlete's equipment and change of equipment, within the terms of the present wired apparatus regulations.
8. The system and all its components must be of the smallest size and of the lightest weight possible.
9. The system must allow for 15 hours of continuous operation. Battery information must be accessible, and the battery must be easy to remove and to recharge.
10. The system must be equipped with a permanent self-evaluation device allowing for quick error or defect detection and correction.

In the case of questions or concerns, the FIE WS Committee is available and ready to help:

Mr Rikhtman Semen, FIE SEMI Commission President: [semicom369@gmail.com](mailto:semicom369@gmail.com)

Mr Varallo Giandomenico, SEMI Commission member: [g.varallo@federscherma.it](mailto:g.varallo@federscherma.it)



### **Initial Request for “Wireless 2016” Contest Participation Form**

To be sent to: Fédération Internationale d’Escrime, Wireless 2016 Contest, MSI, Avenue de Rhodanie 54, 1007 Lausanne, Switzerland

1. .... (company name and country), henceforth referred to as “the Company”, expresses its intent to take part in the Contest by developing a WS in accordance with the terms and regulations stipulated by the FIE.
2. The Company understands that all work relating to the system’s development, including its testing, is to be effected at its own expense.
3. Within the first two months, the Company will send a sealed envelope containing the description of the proposed system’s working principles to the FIE. This information will be held strictly confidential. The envelope is to be sent to the following address: Fédération Internationale d’Escrime, Wireless 2016 Contest, MSI, Avenue de Rhodanie 54, 1007 Lausanne, Switzerland.
4. Any equipment modifications subsequently written into the FIE Rules and regulations is not subject to patenting.
5. The Company guarantees the serial production of WS sets in the quantity required by the FIE (please indicate yearly production capacity).
6. The Company is responsible for obtaining all necessary certifications at its own expense for the WS type it produces.
7. Contest application may be submitted in the following languages: French, English, or Spanish.

Read and approved, this day of (date) ..... in (location).....

Company Name:

Name of Signing Official:

Signature: