

# Request for proposals

*"Unified framework for the organization of fencing competitions  
and the interaction between its nodes."*

*Update 24.05.2020 → extension of deadline 15.06.2020 → 15.08.2020*

## 1) Introduction

In order to guarantee a state of the art and flawless rundown of FIE-events the executive committee of the FIE has decided to organize a request for proposals for a new FIE-Framework for the organization of fencing competitions.

The target is to design a general framework taking in account all the nodes as described in definitions to allow a smooth interaction of all information systems used in a competition.

The framework shall describe the coming standard to be included in the FIE handbooks of regulations. It shall consider existing elements (scoring devices, displays, result management, TV, web publishing ...) as well as coming extensions to offer a modern approach scalable from satellite events, world-cups up to world-championships.

This framework will hence become an important basement of the image of our sport.

## 2) Regulations

**An initial draft for proposals should be sent to the FIE ([Natalia.bodrova@fie.ch](mailto:Natalia.bodrova@fie.ch)) no later than ~~June 15<sup>th</sup>~~ **August 15<sup>th</sup> 2020**.**

The FIE workgroup consisting of Jacek Bierkowski, Pascal Tesch (executive committee) and Semen Rikhtman, Giandomenico Varallo and Gudjon Ingi Gestsson (SEMI-commission) will determine the best proposed framework based on the below criteria.

The request for proposals must provide an integrated concept for organizing competitions with today's technologies. The FIE has chosen to leave a maximum space for innovation and hence limits the requirements to a general framework in order to generate a level playing field after the implementation of the new framework:

- The framework **MUST**

- either guarantee backward compatibility to existing nodes or show a universally acceptable migration path within a reasonable timeframe
- provide an inventory of existing and supported nodes
- be freely accessible to all manufacturers and service-providers
- contain a proposal of network organization including but not limited to the assignment of IP-addresses in the most fault-tolerant way possible
- allow all nodes regardless their manufacturers provided they respect the framework and the protocols set forth
- allow quick replacement of single nodes during an ongoing competition including reconfiguration that will either be automatic or easy to handle
- apply mechanisms of self-monitoring and/or self-repair
- foresee redundancy at critical points
- offer a good scalability

- Deliverables **MUST**

- be written in English
- describe the concepts of interaction between the different nodes, hardware as well as software
- full descriptions and sources of the protocols used
- include schematics/drawings on architecture
- schematics/drawings/tables to explain concepts or ideas

### 3) Reward

The FIE will reward the best concept with a price of up to 10,000€