

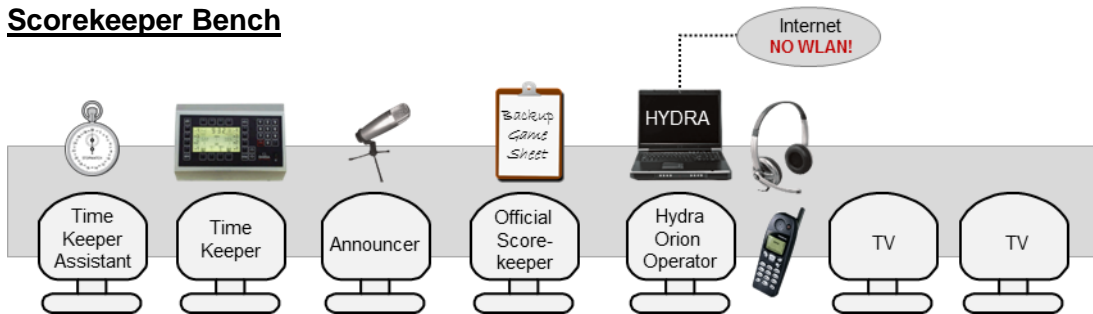


**STATISTICS AT IIHF EVENTS**  
**Hardware / Infrastructure / Staff Requirements**

**2017 Gemini – Full: Also Time On Ice**  
**WM, WMIA, WMIB, WM20**  
**WW**

**2017 Gemini – Full: NO Time On Ice**  
**WM18, WW18**

## Scorekeeper Bench



*Work Area ORION (1 Computer Operator from Organizer Personal)*

Hydra Orion Module is used for data collection of game actions – such as:

- Game Status
- Goals and Assists
- Plus/Minus Information exchange with Gemini Operator
- Penalties
- Goaltender Actions
- Penalty-Shot Shootout Procedures
- Number of Spectators
- Time-Outs
- Best Player Selection

### **Requirements:**

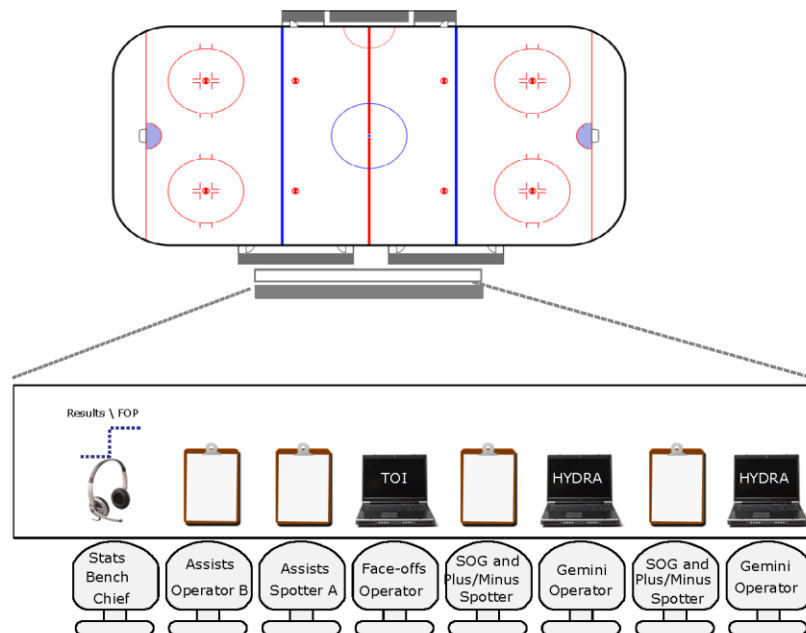
- 1 working spot located at Scorekeeper Bench next to the Scorekeeper, with power
- 1 notebook/laptop with Microsoft Windows 7 or newer (ENGLISH version), Internet Explorer 7 or newer, all current updates, patches and service packs installed by Organizer
- Recommended minimum screen size: 1024x768
- Adobe Reader Software latest version (available free internet download)
- Internet connection configurations (any of these are acceptable) ADSL 10Mbps and up or LAN (shared venue LAN depends on configuration must be as fast or faster than 50Mbps ADSL)
- Capable to communicate with Result Manager via telephone or similar communication device

## Statistics Bench

Located in the upper part of the arena, preferably behind the players bench providing a good view to the field of play

## IIHF Hydra Statistics Bench

(covering full Gemini Without Time On Ice use)



*Work Area GEMINI (6 volunteers from Organizing committee per venue for Gemini operations)*

Hydra Full Gemini Module is used for data collection – such as:

- Shots on goal
- Face-Offs
- Plus/Minus information exchange with Orion Operator

### Requirements per venue:

- 6 working spots for Gemini operations
  - o 3 Gemini operators with laptops. power and internet
  - o 3 Gemini spotters
- Working bench for all 6 Gemini staff



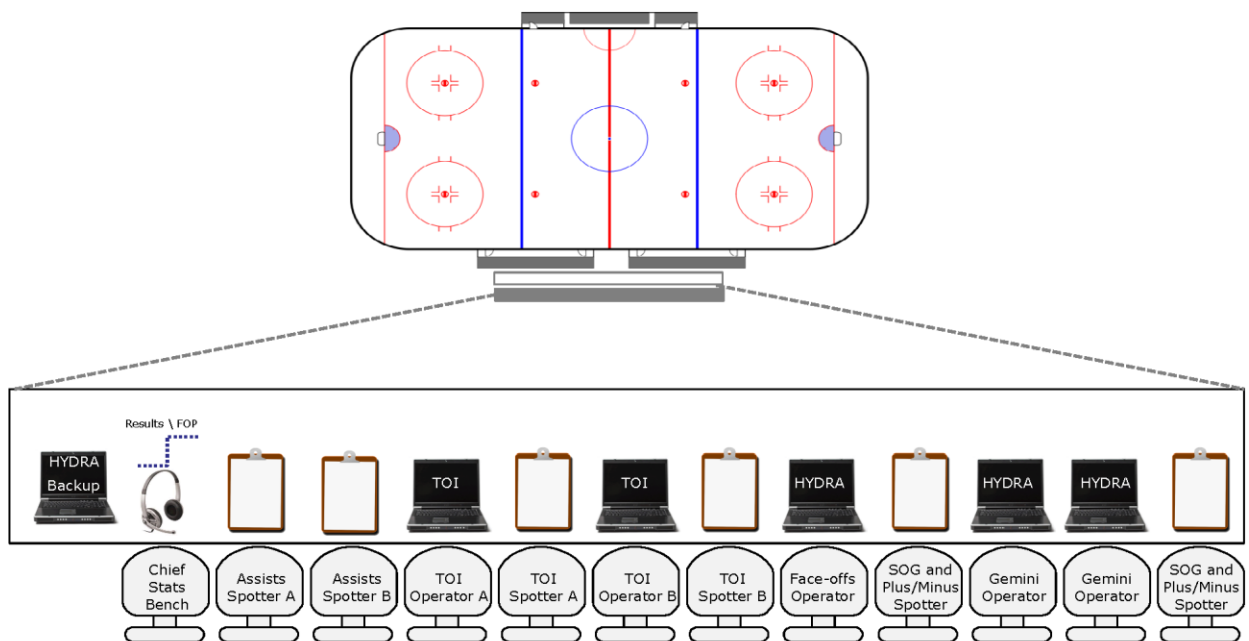
- 3 notebooks/laptops with Microsoft Windows 7 or newer (ENGLISH version), Internet Explorer 7 or newer, all current updates, patches and service packs installed by OC
- Recommended minimum monitor resolution: 1024x768
- Adobe Reader Software latest version (available free internet download)
- Internet connection configurations (any of these are acceptable) ADSL 10MBps and up or LAN (shared venue LAN depends on configuration must be as fast or faster than 50Mbps ADSL)
- Communication equipment to communicate with Result Manager (telephone or similar communication device)

## Time On Ice

For an event collecting time on ice data the organizers also need to provide following;

### IIHF Hydra Statistics Bench

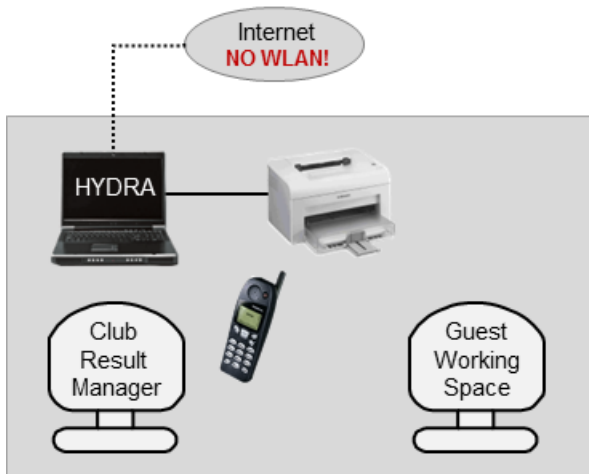
(covering full Gemini and Time On Ice use)



#### Requirements per venue:

- 2 Time On Ice operators located at stats bench
- 2 Time On Ice spotters located at stats bench
- 2 notebooks/laptop computers with Microsoft Windows 7 or newer (ENGLISH version), Internet Explorer 7 or newer, all current updates, patches and service packs installed by Organizer
- Internet connection configurations (any of these are acceptable) ADSL 10MBps and up or LAN (shared venue LAN depends on configuration must be as fast or faster than 50Mbps ADSL)

### IIHF Hydra Result Manager Office



*Work Area: Aquila/Mensa (IIHF Result Manager appointed by the IIHF)*

The Hydra Result Manager Office should be located in the arena to provide easy access to team area and Scorekeeper Bench. This room needs to be fully secured and lockable. It needs to be a quiet space to work immediately before and after games, and between periods.

#### **Requirements:**

- 2 normal size desks and 4 office chairs
- 1 notebook/laptop computer with Microsoft Windows 7 or newer (ENGLISH version), Internet Explorer 7 or newer, all current updates, patches and service packs installed by Organizer
- Recommended minimum monitor resolution: 1024x768
- Adobe Reader Software latest version (available free internet download)
- Microsoft Office (English Version)
- Internet connection configurations (any of these are acceptable) ADSL minimum 10Mbps or LAN (shared venue LAN depends on configuration must be as fast or faster than 50Mbps ADSL)
- 1 Hub/Switch for 2-3 additional PC's to connect to the shared internet line
- 1 Laser Printer with photocopy function connected to Aquila/Mensa computer with the appropriate drivers installed on the PC
- Mobile phone to call within arena and also including international calls



## **Staff Requirements**

### **IIHF Result Manager (appointed by the IIHF)**

- Is a non-voting Directorate member and reports to the IIHF Directorate Chairman
- Is responsible for the smooth handling and operation of the statistic system before and throughout the whole event
- Is the contact person for all statistic-related questions
- Organizes and oversees the distribution of the correct statistic output before the game, after each period and end of each game (together with the locals stats coordinator)
- Monitors the IIHF Website/App output
- Delivers the required output to the event Directorate on time
- Educates and monitors the local stats volunteers onsite
- Sets up all procedures and work-plans together with the local stats coordinator for all local stats volunteers
- Supervises the Scorekeeper Bench
- Supervises all stats operations
- Coordinates statistical workflow with 2nd venue (only if applicable)

### **Organizer Personnel (Per Venue)**

#### Scorekeeper Bench:

- 1 Local Stats Coordinator (Liaison Organizer/IIHF Result Manager)
- 1 Orion Operator (located at scorekeeper bench)
- 1 Official Scorekeeper (located next to Orion Operator at scorekeeper bench)
- 1 Official Timekeeper + 1 Timekeeper Assistant
- 1 Official Announcer
- 2 Penalty Box Attendants

#### Stats Bench:

- 3 Gemini Operators with laptops (located at the spotters section)
- 3 Spotters collecting shots on goal, plus/minus and face-offs
- 2 Time On Ice operators with laptops (for events with TOI)
- 2 Time On Ice spotters (for events with TOI)

#### Goal Judge:

- Video Goal Judge