Technical Video Services Manual

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INTRODUCTION

This manual is dedicated to the Host Organising Committee (HOC) to deliver a good TVS services to the National Federations during an ICF Competition or other main international competitions.

The ICF will support the HOC prior the competition:

- Planning / set up / training
- Provide guidelines (hardware, logistics)
- Troubleshooting
- Hardware for distribution in HD
- Technical support and knowledge transfer
- Provider links i.e. Siwidata, HTR, videowall company etc.

There will be an ICF TVS coordinator available for your questions and help at each ICF competition and for your preparation if needed:

<table>
<thead>
<tr>
<th>Person</th>
<th>E-mail address</th>
<th>Skype</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main contact</td>
<td>Hans-Peter WEISS</td>
<td><a href="mailto:hape.weiss@t-online.de">hape.weiss@t-online.de</a></td>
</tr>
<tr>
<td>Alternate contact</td>
<td>Mark Abbott</td>
<td><a href="mailto:markabbott787@gmail.com">markabbott787@gmail.com</a></td>
</tr>
<tr>
<td>ICF HQ</td>
<td>Cyril Nivel</td>
<td><a href="mailto:cyril.nivel@canoeicf.com">cyril.nivel@canoeicf.com</a></td>
</tr>
</tbody>
</table>
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I.2- Alternate concept for HOC TV and / OR TVS producer

I.3- TVS video feed usage
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A. MAIN ICF PROVIDERS: SERVICES & CONTACTS

A.1- SERVICES

For ICF competitions (level 1 and 2) the ICF providers will deliver the following services:

<table>
<thead>
<tr>
<th></th>
<th>SIWIDATA</th>
<th>HIT THE ROOF</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVS production</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Timing / scoring</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>TV production</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

For other competition the TVS production, Timing / scoring and TV production can be completely separated depending of the experience and skills of each provider.

A.2- MAIN CONTACTS – ICF PROVIDERS

<table>
<thead>
<tr>
<th></th>
<th>Andre CHRISTANELL</th>
<th><a href="mailto:andre.christanell@siwidata.com">andre.christanell@siwidata.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cedric ROGER</td>
<td><a href="mailto:cedric@htroffice.ch">cedric@htroffice.ch</a></td>
</tr>
</tbody>
</table>

TVS GUIDELINES 2019-01

5 on 19
B. SYSTEM DESCRIPTION

B.1- FUNDAMENTAL SERVICE

TVS delivers the central video signal for all ICF competitions (Level 1 and level 2).

TVS has a number of clients and must be capable of serving the following users:

- National Federations (Coaches/Sport Scientists/Team Leaders)
- ICF Technical Officials (Chief Judge/Video Judges)
- HOC Services: Video wall, public screens if Live TV not available
- Video on Demand (VOD) streamed on the internet where appropriate

B.2- TVS OVERVIEW
C. OPERATIONAL REQUIREMENTS

C.1- OVR AND TVS

a. General layout

the Video Judges Work Space and TVS Video Production must be inside the OVR.

b. Video Judges Work Space requirements

- Floor space: minimum 9.0 m² (chairs/ gangway /store...)
- Table space: minimum 7.0 m²
- Overall: 15-17 m²

c. TVS video production requirements

- Floor space: minimum 3.0 m²
- Table space: minimum 2.0 m² (2m per 1m)
- Overall: minimum 6.0 m²
C.2- FIELD OF PLAY AND TVS

a. TVS camera

The setup includes up to 8 gateline cameras provided by SIWIDATA and link over LAN/WLAN.

b. Gateline judges cameras

The setup includes up to 8 gateline cameras provided by SIWIDATA and link over LAN/WLAN.
a. General view
This room is dedicated to the National Federations to capture the TVS feed.

b. Requirements
- Up to 28 work spaces for each team to receive the TVS signal in HD
- Size:

<table>
<thead>
<tr>
<th></th>
<th>World Cup</th>
<th>Junior &amp; U23 World Championships</th>
<th>World Championships</th>
</tr>
</thead>
<tbody>
<tr>
<td>minimum</td>
<td>110 m²</td>
<td>150 m²</td>
<td></td>
</tr>
</tbody>
</table>

- Table space:
  - 1.5-2.0 m² per National Federation for TVS capture
  - 1 work spaces for “ICF TVS distribution” 6 m²
- Location:
  - Close as possible to TVS production or Video Judge area
  - Less than 80m is fine

c. Best layout
d. Typical “Fuse Box” for TVS room distribution

Fuse 1-10 (16 A !) for team tables

<table>
<thead>
<tr>
<th>phase 1</th>
<th>phase 2</th>
<th>phase 3</th>
</tr>
</thead>
</table>
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**D. POWER CONSUMPTION REQUIREMENTS**

**D.1- BASIC MODULES**

The requirements of the basic modules are not able to be changed.

<table>
<thead>
<tr>
<th>AREA</th>
<th>FUNCTION</th>
<th>CONTENTS</th>
<th>POWER REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TVS Distribution room</td>
<td>ICF TVS distribution</td>
<td>• Up to 20 Distributors serving 32 nations</td>
<td>1’200 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• control Monitors (2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• TV-Screen for Live results</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Laptop</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• DVD/ HD recorder</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• WLAN Antenna</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• LAN network</td>
<td></td>
</tr>
<tr>
<td></td>
<td>National Federation Capture</td>
<td>• Up to 28 workstations for nations</td>
<td>25’000 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• each with power for e.g. laptops, monitors, printers, external hard drives with their own power supply, UPS</td>
<td></td>
</tr>
<tr>
<td>OVR</td>
<td>TVS video Production</td>
<td>• Complete switching</td>
<td>3’500 W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• internal from video-coaches area</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Video Judges Work Space</td>
<td>• 4-5 workstations for video judging with e.g. TV-monitors, PC-monitors, laptops, LAN - hardware, external hard drives, HD distribution amplifier, Server, switches</td>
<td>2’500W 2 phases needed</td>
</tr>
<tr>
<td>Field of Play</td>
<td>TVS cameras</td>
<td>• up to 6-7 cameras on course with power feed</td>
<td>1’000W</td>
</tr>
<tr>
<td></td>
<td>Gateline cameras</td>
<td>• see SIWIDATA requirements</td>
<td>1’000W</td>
</tr>
</tbody>
</table>
D.2- OPTIONAL MODULES

The optional modules may vary to meet the needs of the event.

- OB van for external TVS video production
  - Not the case for ICF competitions level 1 and 2
  - Power requirements will be defined by the provider.

- Video capture
  - If Siwidata manage video-capturing, streaming Internet TV
  - Up to 2 workstations
  - Power requirements: 1000W

- Video on Demand (VOD)
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## E. TVS VIDEO PRODUCTION PROCESS

### E.1- ICF PROVIDERS & OPERATION

<table>
<thead>
<tr>
<th>HIT THE ROOF</th>
<th>SWIDATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup operated cameras for TVS</td>
<td>Switching the final TVS A/B</td>
</tr>
<tr>
<td>Operate cameras for TVS</td>
<td></td>
</tr>
</tbody>
</table>

### E.2- PRODUCTION PLAN

**Qualification 1 + 2**
- TVS ODD (TVS switcher 1)
- TVS EVEN (TVS switcher 2)

**Semifinal**
- TVS ODD (TVS switcher 1)
- TVS EVEN (TVS switcher 2)

**Final**
- TVS ODD (TVS switcher 1)
- TVS EVEN (TVS switcher 2)

Broadcasting production (live)
- Broadcast director
- Broadcast director
F. TVS AND SPORT PRESENTATION

F.1- SERVICE PROVIDED BY SIWIDATA

- Siwidata provides a feed via fibre and a stage box up to the pickup point for the videowall company.
- This feed includes one mixed ODD / EVEN / Results Graphics feed.
- Feed description: HD-SDI 108i50, RG59/RG60
- HDMI, or other formats: the conversion must be done by the videowall company.
- There is a lot of parameters e.g. cabling, staffing, hardware, interface. In case of questions (e.g. positioning the stage box, signal information) please contact the Canoeing SIWIDATA coordinator.

F.2- LAYOUT
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## G. TVS AND HUMAN RESOURCES

### G.1- OVERVIEW

The TVS video production involves several stakeholders:

- Technical Volunteers from the HOC and the ICF
- Professional companies
- National Federations as our main customer

### G.2- REQUIREMENTS FOR THE HOC

The HOC must provide:

<table>
<thead>
<tr>
<th>Function</th>
<th>Number of persons</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOC TVS coordinator</td>
<td>1</td>
</tr>
<tr>
<td>TVS switchers</td>
<td>3</td>
</tr>
</tbody>
</table>

The name, the contact details and the experience of each nominated persons must be provided to the ICF TVS coordinator at least 2 months prior the competition.

### G.3- HOC TVS COORDINATOR

Main tasks are:

- Co-ordinate the TVS-HOC staff
- Provide hardware in time
- Assist TVS coordinator
- Risk management
- Arrange that all HOC contractor companies participate in time to the technical meetings

### G.4- TVS SWITCHERS

Background needed:

- Canoe slalom paddler

Or

- Very familiar with Canoe slalom
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H. HARDWARE TO BE PROVIDED BY THE HOC

All the equipment listed must be provided at least one day before the competition rehearsal in the dedicated area.

<table>
<thead>
<tr>
<th>AREA</th>
<th>EQUIPMENT</th>
<th>DETAILS</th>
<th>QUANTITY</th>
</tr>
</thead>
</table>
| TVS ROOM DISTRIBUTION                   | TV monitor         | • ≥ 24 Inch  
• HDMI  
• Remote with new battery                      | 2        |
|                                        | HDMI cable         | 2m to 3m                                                  | 2        |
|                                        | Table              | • ≥ 2,0 m x ≥ 0,8 m                                       | 28 to 36 |
|                                        | Chair              |                                                          | ≥ 50     |
|                                        | Power socket       | • One for each team                                       | 28       |
|                                        | Rubbish bin        |                                                          | 2        |
| OVR Video Judges Work Space             | PC/TV monitor      | • 22-24 Inch  
• HDMI  
• Resolution ≥1920x1200  
• remote with new battery               | 2        |
|                                        | PC/TV monitor      | • 50 Inch  
• HDMI  
• Resolution ≥ 1920 x1200                     | 1        |
|                                        | HDMI cable         | 3m (PC to monitor)                                        | 3        |
|                                        | Table              | • ≥ 2,0 m x ≥ 1,0 m                                       | 3        |
|                                        | Chair              |                                                          | 8        |
|                                        | Power socket       | • Each power socket on different phase                     | 2        |
I. INFORMATION FOR THE HOC TV PRODUCER & HOC TVS PRODUCER

This section is dedicated to give more information the provider working for international competition without ICF provider.

ICF World Championships (senior) and ICF World Cup are not concerned by this section.

I.1- ICF STANDARD FROM 2019

- HD 1080i
- Local Video download

I.2- ALTERNATE CONCEPT FOR HOC TV AND / OR TVS PRODUCER
I.3- TVS VIDEO FEED USAGE

operate up to 12 broadcast + TVS feeds