



World Para
Alpine Skiing

World Para Alpine Skiing

Technical Delegate Manual 2019/2020

July 2019

WPAS Technical Delegate Manual

2019/2020 Season

Valid until 1 October 2020

World Para Alpine Skiing

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1 Introduction

The International Paralympic Committee (IPC) is the governing body for Paralympic Sports.

World Para Alpine Skiing (WPAS) acts as the International Federation for the sport which is co-ordinated by the World Para Alpine Skiing Technical Committee.

Since 2003, IPC and FIS have an operational agreement that is reviewed every year.

World Para Alpine Skiing events use FIS Technical Delegates (TD) with a valid FIS TD License for all sanctioned events, where the FIS TD acts as a World Para Alpine Skiing (WPAS) TD

The purpose of this manual is to provide information for the WPAS TD with respect to the rules of WPAS events.

As the WPAS TD is a fully licensed FIS TD, this manual assumes that the TD already has the knowledge required to be a FIS TD.

This manual is an additional resource available to the FIS TD to be used along with the World Para Alpine Skiing Rule and Regulations (WPAS Rulebook) and other resources available on the WPAS website (www.WorldParaAlpineSkiing.org).

2 Official role

The WPAS TD is an official representative of World Para Alpine Skiing at WPAS races.

The WPAS TD works with the WPAS Race Director (WPAS RD) and the Jury. In the absence of the WPAS RD, the WPAS TD acts as the Chair of the Jury and the Referee is appointed in the usual manner outlined in the WPAS Rulebook.

The WPAS TD does not issue official opinions of the IPC or World Para Alpine Skiing but rather is responsible for:

- Working with the WPAS RD and the Jury in making decisions and to see that the World Para Alpine Skiing Rules and Regulations are followed.
- Working with the WPAS RD and the Jury to run the race.
- Working with the WPAS RD and the Jury to assist the organiser of the race.

3 Education

The WPAS TD is a licensed FIS TD and therefore will have completed the education process to become a FIS TD and to maintain their license.

The WPAS TD needs to be familiar with the WPAS Rulebook to understand the differences that apply to WPAS races. The process for additional education continues to be developed by World Para Alpine Skiing, which includes mentorship for FIS TDs who are exposed to an WPAS event for the first time. This handbook will continue to be regularly reviewed and updated by World Para Alpine Skiing.

The World Para Alpine Skiing Committee member responsible for matters relating to WPAS TD is the Head of Technical Control and Officiating (HOTC). The HOTC is responsible for assisting WPAS TD with any questions or issues arising from their assignments. The HOTC can be contacted through the World Para Alpine Skiing e-mail address info@worldparaalpineskiing.org.

4 WPAS TD Selection

The TD selection process for all levels of WPAS events is described in made by Section 2 art 402.1.3 of the WPAS Rulebook.

5 WPAS Jury

The following members of the Jury are responsible for technical matters within the closed competition areas:

- WPAS RD
- WPAS TD
- Referee
- Chief of Race
- Assistant Referee for Downhill and Super-G
- Start Referee (Only for PWG/WCH)
- Finish Referee (Only for PWG/WCH)
- Video Controller (Only for PWG/WCH)
- OVR Supervisor (Only for PWG/WCH – no voting rights)

- Equipment Controller (Only for PWG – no voting rights)

Please refer to Section 2 art 402 of the WPAS Rulebook for the Roles of the Jury.

5.1 WPAS Race Director

The WPAS RD is appointed by World Para Alpine Skiing and is the authority representing WPAS at the event. For events in which the WPAS RD is present, the WPAS TD needs to work closely with the WPAS RD as the Jury lead. The full description of the role of the WPAS RD can be found in Section 2 on art 400.2.1 - 400.2.1.4 of the WPAS Rulebook.

6 Competitor categories

WPAS alpine races have 3 categories for each gender, Vision Impaired, Standing and Sitting. There are different classifications within the three categories. A full description can be found in the World Para Alpine Skiing Classification Rules and Regulations (www.WorldParaAlpineSkiing.org/alpine-skiing/classification).

Visually impaired athletes must ski with a guide who are fully licensed athletes and subject to the WPAS Rulebook.

7 Factor system

The calculation of a competitor's time is based on their real time multiplied by their race factor.

The calculation of factored time is performed by the WPAS software (AS Manager), which is used at WPAS sanctioned events.

Operation on WPAS software is responsibility of OC with support of WPAS RD on level 0 events.

8 WPAS Points

WPAS competitors are ranked based on WPAS Points.

The system is similar to the FIS Points system, but based on the athlete categories, World Para Alpine Skiing has different maximum values and uses different F – Factors from FIS.

The points list is updated monthly on the WPAS website (www.WorldParaAlpineSkiing.org).

The rules regarding WPAS Points are in:
Section 4 art 1260 of the WPAS Rulebook.

9 Results

The WPAS TD verifies the results. The results are uploaded to World Para Alpine Skiing, which is supervised by the WPAS Race Director. The WPAS (FIS) TD needs to send the TD Report, Timing and Technical Data Report (TTR) and all Jury Minutes to World Para Alpine Skiing via e-mail at info@worldparaalpineskiing.org.

The only documents that are forwarded to FIS are the TD report and the TTR, as would be completed at any FIS competition. These should be sent directly to Mr Janez Flere via email at flere@fisski.com, and not through the XML process as is typically followed by FIS required events.

The upload of results to the FIS website is the responsibility of World Para Alpine Skiing. The results will be a PDF file attachment only. WPAS competitors are not part of the FIS system so the results cannot be displayed in the regular manner.

10 Start specifications and procedures

Please refer to Section 2 art 408 of the WPAS Rulebook dealing with issues relating to start procedures.

Please refer to the World Para Alpine Skiing Start Area Instruction Manual for the requirements for the start ramp and area which can be found in the rules section of the World Para Alpine Skiing website.

10.1 Special rules for specific classifications

Section 5 art 1300 of the WPAS Rulebook addresses rules that apply to specific classifications as well as to the guides of the vision impaired athletes. Please carefully review this section.

11 Slope specifications

Slope specifications for all World Para Alpine Skiing events are defined in Section 5 art 1500 of the WPAS Rulebook.

12 FIS TD Race Submission Process for World Para Alpine Skiing Races

(Created by Ozzie Sawicki / Janez Fleré, January 2017, Updated July 16, 2019)

Create a folder for each race (SL 1 Ladies, SL 1 Men, GS 1 Women, etc.). The Race folder should be labeled as in the example below:



In the above example, it refers to the results for a World Cup GS race held on January 19, 2017.

Within the above folder are each race for that GS race (GS1), which includes a Men's and Women's CODEX. The sub-folders should be labelled:



Within the above folders (we will use the Men's GS1 CODEX 1938 as an example), should be the following files:

1. Men's Results GS1 Final (Labelled in this way). The result must be signed, and includes the result with the attached penalty sheet as one document. An example of results for the Men's GS CODEX 1938 is provided on the page that follows;

2. Timing Report – The timing report is provided by the official timer, and must be provided on the appropriate form. The form must be signed by the TD, and if possible signed by the timer as well. An example of CODEX 1938 is provided on the pages that follow;
3. FIS TD Report – The FIS TD representing a World Para Event, is considered an IPC/FIS TD for the duration of the event, and must complete a FIS TD report as with any event. An example FIS TD Report is provided for the Men’s GS1 CODEX 1938 on the pages that follow.

12.1 Men's Results GS1 Final



ST MORITZ

MON
19 DEC 2016
13:00

2017 IPC ALPINE SKIING WORLD CUP ST M

MEN'S GIANT SLALOM 1

FINAL



OFFICIAL RESULTS As of 19 DEC 2016

Jury			Technical Data		
IPC/FIS Technical Delegate	SAWICKI Ozzie	CAN	Course Name	Corviglia	
IPCAS Race Director	BOMBARDIER Alison	IPC	Start Altitude	2305 m	
Referee	BLACK Ben	USA	Finish Altitude	2040 m	
Chief of Race	WIM Rossel	SUI	Vertical Drop	265 m	
Start Referee	KUENZLER Albert	SUI	Homologation Number	12125/10/16	
Finish Referee	ALDER Serge	SUI	Timing device	Algee Timy2	
Chief of Timing	SINGER Stephan	SUI			
Race Information 1st Run			Race Information 2nd Run		
Course Setter	JAGLER Ralf	SUI	Course Setter	TEISTMA Falco	NED
Number of Gates	32		Number of Gates	33	
Turning Gates	30		Turning Gates	31	
Start Time	10:00		Start Time	13:00	
Forerunners	A- JACOB G B- JOSH G	GBR GBR	Forerunners	A- JACOB G B- JOSH G	GBR GBR
WEATHER DATA			WEATHER DATA		
	At Start	At Finish	At Start	At Finish	
Weather	Few clouds	Few clouds	Partly cloudy	Partly cloudy	
Snow	Compact	Compact	Compact	Compact	
Temperature	-12.0 °C	-10.0 °C	-5.0 °C	-3.0 °C	

Penalty:	0.00	F-Value: 870
IPC/FIS codex:	1938	

Number of Competitors: 65, Number of NPCs: 20

Rank	Bib	Name	Sport Class	NPC Code	1st RUN	2nd RUN	Result	Diff.	Race Pts.	WC Pts.
Men Giant Slalom Visually Impaired 1										
1	31	SANTACANA MAIZTEGUI Yon Guide: GALINDO GARCES M	B2	ESP	49.59 (3)	51.54 (2)	1:41.13		27.33	100
2	26	KRAKO Jakub Guide: BROZMAN Branislav	B2	SVK	50.07 (4)	51.47 (1)	1:41.54	+0.41	30.97	80
3	30	MARCOUX Mac Guide: LEITCH Jack	B3	CAN	49.42 (2)	52.96 (4)	1:42.38	+1.25	38.42	60
4	29	HARAUS Miroslav Guide: HUDIK Maros	B2	SVK	51.01 (5)	51.66 (3)	1:42.67	+1.54	40.99	50
5	32	KREZEL Maciej Guide: OGARZYNSKA Anna	B3	POL	52.06 (6)	54.70 (5)	1:46.76	+5.63	77.28	45
6	33	BURTON Kevin Guide: TATSUNO Chris	B2	USA	55.16 (8)	57.46 (6)	1:52.62	+11.49	129.28	40
Men Giant Slalom Standing 1										
1	58	BAUCHET Arthur	LW3	FRA	48.04 (1)	50.01 (1)	1:38.05		0.00	100
2	41	WALSH Thomas	LW4	USA	48.14 (2)	50.67 (2)	1:38.81	+0.76	6.74	80
3	38	FRANCE Martin	LW9-1	SVK	48.36 (3)	51.37 (4)	1:39.73	+1.68	14.91	60
4	44	SALCHER Markus	LW9-1	AUT	48.88 (6)	51.57 (5)	1:40.45	+2.40	21.30	50
5	39	GROCHAR Thomas	LW2	AUT	48.69 (4)	51.96 (6)	1:40.65	+2.60	23.07	45
6	36	SCHNEIDER CB	LW6/8-2	AUT	49.64 (9)	51.28 (3)	1:40.92	+2.87	25.47	40
7	35	MISAWA Hiraku	LW2	JPN	49.14 (7)	52.40 (9)	1:41.54	+3.49	30.97	36

12.2 Race Penalty (as part of the same document)



2017 IPC ALPINE SKIING WORLD CUP ST N

MEN'S GIANT SLALOM 1

FINAL



PENALTY CALCULATION As of 19 DEC 2016

Best 10 at Finish

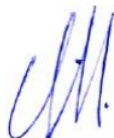
Rank	Bib	Name	NPC Code	Sport Class	IPCAS Points	Best 5	Race Pts.
1	58	BAUCHET Arthur	FRA	LW3			
2	41	WALSH Thomas	USA	LW4	7.75	7.75	6.74
3	38	FRANCE Martin	SVK	LW9-1	13.44	13.44	14.91
4	68	RABL Roman	AUT	LW12-1	19.07	19.07	20.67
5	44	SALCHER Markus	AUT	LW9-1	5.84	5.84	21.30
6	69	KREITER Georg	GER	LW10-1	29.59		
7	39	GROCHAR Thomas	AUT	LW2	37.59		
8	36	SCHNEIDER Christoph Bernhard	AUT	LW6/8-2	18.93	18.93	25.47
9	31	SANTACANA MAIZTEGUI Yon	ESP	B2	52.33		
10	26	KRAKO Jakub	SVK	B2	38.04		
10	35	MISAWA Hiraku	JPN	LW2	43.59		

Best 5 IPCAS Points at Start

Rank	Bib	Name	NPC Code	Sport Class	IPCAS Points
DNF1	28	BERTAGNOLLI Giacomo	ITA	B3	0.00
5	44	SALCHER Markus	AUT	LW9-1	5.84
2	41	WALSH Thomas	USA	LW4	7.75
DNF1	62	SIKORSKI Igor	POL	LW11	9.49
12	42	GOURLEY Mitchell	AUS	LW6/8-2	10.44

TOTALS:		
IPCAS Points of best 5 at Start (B)	33.52	
IPCAS Points of best 5 at Finish in Top 10(A)		65.03
Race Points of corresponding competitors (C)		89.09

Calculated penalty (A+B-C):10 =>	0.946
Rounded	0.95
Category Adder	0.00
Calculated Penalty	0.95
Penalty Applied	0.00



Ozzie Sawicki # CAN.1938.945
IPC/FIS Technical Delegate

Legend:					
DNFn	Did not finish (Run n)	DNSn	Did not start (Run n)	DNQ1	Did not qualify for Run 2
DSQn	Disqualified (Run n)				

12.3 Timing Report



Timing & Data Technical Report Alpine

To accompany the TD report please transmit immediately only as XML and NOT as PDF or NOT in paper format to FIS.
One timing report required for each codex.

Location	St. Moritz	Category	Para - Para Events	Season	2017
Nation	SUI	Competition	GS - Giant Slalom Men	Race Codex	1938
Event name	2017 IPC Alpine Skiing WC St. Moritz	Gender			
Race Date	19.12.2016				

	Brand	Model	Serial No	Homologation No
System A Timer (at finish)	ALGE	Timy PXE	120334024	ALG.001T.10
System B Timer (at finish)	ALGE	Timy PXE	120334011	ALG.001T.10
Timer A Start (if used)				
Timer B Start (if used)				
Start Gate	ALGE	STSnM2S	120563010	ALG.S53T.10
Finish Cell A	ALGE	RLS1	120588010	ALG.L65.03
Finish Cell B	ALGE	RLS1	120681098	ALG.L65.03

Result software	Software company	Software version	
	ALGE	5.0.04	


Connection to start	System A	System B	Voice connection
	Cable	Cable	Cable

Power On Time	07:00 <small>At least 30 minutes before Synchronization.</small>					
	1st Run			2nd Run		
<small>Time of day expressed in thousandths.</small>	System A (TOD)	System B (TOD)	Hand	System A (TOD)	System B (TOD)	Hand
Syncronisation time	09:08:00		09:10:00	12:28:00		12:30:00
Sync confirm at +1 minute	09:09:01.891	09:09:01.891		12:28:59.914	12:28:59.914	
Start TOD First Competitor	10:24:52.833	10:24:52.831	Net Time	13:19:48.594	13:19:48.593	Net Time
Finish TOD First	10:26:12.325	10:26:12.068	1:19.49	13:20:53.865	13:20:53.861	1:05.27
Hand Time First Competitor	BIB First 25		1:19.43	BIB First 33		1:05.04
Start TOD Last Competitor	11:21:31.343	11:21:31.348	Net Time	14:08:07.155	14:08:07.156	Net Time
Finish TOD Last	11:22:40.045	11:22:40.049	1:08.70	14:09:19.139	14:09:19.128	1:11.98
Hand Time Last Competitor	BIB Last 85		1:08.74	BIB Last 83		1:11.64
Best Run System A		BIB 41	0:49.26		BIB 36	0:51.28

Were all results from system A? Yes No

Comments run 1	Comments run 2

We certify that the timing and calculations of this event adhered to the FIS rules. Yes No

Technical Delegate	Chief of Timing	Timing Company
Name/Nation Ozzie Sawicki (CAN)	Name/Nation Singer Stephan (SUI)	Company St. Moritz Sport
TD No 945	Telephone 079 547 17 38	Name/Nation Singer Stephan (SUI)
	Email stephan.singer@stmoritz.ch	Telephone 079 547 17 38
		Email stephan.singer@stmoritz.ch
Signature 	Signature	

12.4 FIS (IPC/FIS) TD Report




FÉDÉRATION INTERNATIONALE DE SKI
INTERNATIONAL SKI FEDERATION
INTERNATIONALER SKI VERBAND



DT RAPPORT / TD REPORT / TD BERICHT

ALPINE SKIING

Place Lieu / Ort	St. Moritz	Country Pays / Land	SUI	Codex	1938
Name of event Nom de l'événement Name der Veranstaltung	IPC Alpine Skiing World Cup Men's Giant Slalom			Date Date Datum	19-12-16
Category	Para	Gender	M	Event (DH/SG/SC/GS/SL)	GS
Dates as in FIS-Calendar / Selon calendrier FIS / Daten laut FIS-Kalender				Yes/Oui/Ja <input checked="" type="checkbox"/>	No/No/Nein <input type="checkbox"/>
Replacement for Remplacement pour Ersatz für				Penalty points Pénalité Zuschlag	0.95
Shall the race be counted for FIS points / L'épreuve peut-elle être prise en considération pour les points FIS / Soll das Rennen für die FIS-Punkte in Betracht gezogen werden				Yes/Oui/Ja <input checked="" type="checkbox"/>	No/No/Nein <input type="checkbox"/>
Number of spectators Nombre de spectateurs Anzahl Zuschauer	100	Number of nations Nombre de nations Anzahl Nationen	20	Number of DNS1 Nombre de DNS1 Anzahl DNS1 (1. Lauf)	2
Number of competitors Nombre de participants Anzahl Teilnehmer	65	Number of classified Nombre de classés Anzahl Klassifizierte	38	Homologation No./Nr. 12125/10/16	
Name of the TD/Nom du DT/Name des TDs Ozzie Sawicki		TD No.	945	NAT	CAN
Name of the TD Candidate/Nom du DT-Cand./Name d. TD-Kand.				Tel.	+1-403-651-4000
Name of the slalom flex poles used / Nom des piquets de slalom articulés utilisés / Name der verwendeten Slalomkippstangen		SPM 27 mm			
Name of the flags used / Nom des banderoles utilisées / Name der verwendeten Flaggen		SPM Safety Panel			
Chemical used / Emploi de produits artificiels / Einsatz künstlicher Präparierungsmittel				Yes/Oui/Ja <input type="checkbox"/>	No/No/Nein <input checked="" type="checkbox"/>
First aid service adequate / Service de secours suffisant / Rettungsdienst genügend				Yes/Oui/Ja <input checked="" type="checkbox"/>	No/No/Nein <input type="checkbox"/>
Injury / Blessure / Verletzungen (if yes, please fill out the new injury form)				Yes/Oui/Ja <input type="checkbox"/>	No/No/Nein <input checked="" type="checkbox"/>
During Training / Pendant entraînement / Während Training		During Race / Pendant épreuve / Während Wettkampf			
Code-No.	Name / Nom / Name	NAT	Code-No.	Name / Nom / Name	NAT
Anti-Doping controls / Contrôles antidopage / Anti-Doping-Kontrollen				Yes/Oui/Ja <input type="checkbox"/>	No/No/Nein <input checked="" type="checkbox"/>
In the case of serious accident, see separate report / En cas d'accidents graves voir rapport séparé / Bei schweren Unfällen siehe separater Bericht (if yes, please fill out the accident report)					
Protects / Réclamations / Proteste		Yes/Oui/Ja <input type="checkbox"/>	Art. ICR/RIS/IWO		
Sanctions / Sanctions / Sanktionen		Yes/Oui/Ja <input type="checkbox"/>	Art. ICR/RIS/IWO		
Timing-Problems / Problèmes concernant le chronométrage / Probleme mit der Zeitmessung		Yes/Oui/Ja <input type="checkbox"/> No/No/Nein <input checked="" type="checkbox"/>			
Supplementary report / Rapport complémentaire / Zusätzlicher Bericht (if necessary, provide separate sheet)					
Place and date Lieu et date Ort und Datum	SUI - 19-12-16		Signature of TD Signature de DT Unterschrift des TD (please print and sign)		
			Ozzie Sawicki 		

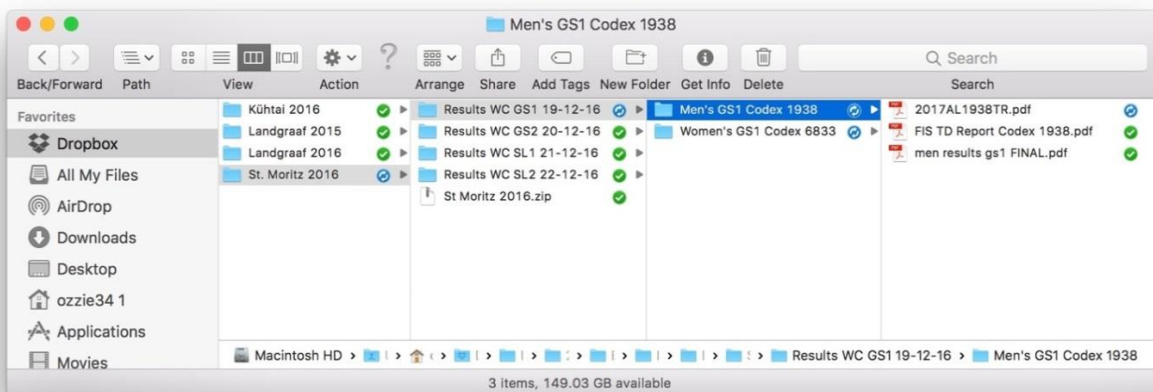
Please send this form completed to lucsy@fiski.ch or Fax +41 33 244 61 71 (Tel. +41 33 244 61 63)
Email with results (only xml format) to alpinersresults@fiski.ch

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12.5 Results Submission Process to FIS:

An important difference with Para Races is that the files are not submitted through the TD Member section of the website (no xml files are sent). Instead, the TD needs to have all the folders for a given race series combined into a single compressed ZIP file.

For the races presented in the examples from St. Moritz, shown on the previous pages, these consisted of 2 GS (Men and Women) and 2 SL (Men and Women) races. The TD should have four (4) folders with three files per folder for each separate CODEX, as shown below. The final file should be a ZIP file that contains the four folders with all Final Results, Timing Reports and FIS TD Reports. In the example below the complete ZIP file is entitled St. Moritz 2016.zip.



The Complete ZIP file containing all race data is to be emailed to:

Janez Fleré

Alpine Technical & Administrative Coordinator at flere@fisski.com

Janez will manage the files for you directly as a World Para event and ensure that results are posted for you. You do not need to complete the race submissions in your member area of the FIS website.

The email Subject should include:

Para Event Series “Location, NAT, and all CODEX numbers separated by comas”.



Should you have any questions, please contact the World Para Alpine Skiing Race Director (Anja Skutelj) at the event, or Ozzie Sawicki, World Para Head of Technical Controlling and Officiating at ozzie34@me.com or +1.403.651.4000.



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