



# **FIS Para Alpine Skiing Manual for the Technical Delegate**

August 2023

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## 1. Introduction

The purpose of this manual is to provide FIS Para Alpine Skiing specific information for the Technical Delegates. It is an additional resource alongside the Para Alpine Skiing International Competition Rules (ICR) and other resources available under the Para Alpine section of the FIS website - <https://www.fis-ski.com/en/para-snowsports/para-alpine/documents>.

In case you have any questions please contact FIS Para Alpine Skiing team directly via [ParaAlpine@fis-ski.com](mailto:ParaAlpine@fis-ski.com).

## 2. Competitor Categories

Para Alpine Skiing competitions include three (3) categories for each gender: Vision Impaired, Standing and Sitting. Each category consists of additional Sport Classes. Vision impaired Athletes must ski with a guide that is fully licensed Athlete and subject to the ICR.

In order to get classified, the Athlete must attend a classification event organised by FIS. More information about Para Alpine Skiing classification can be found under the Para Alpine section of the FIS website - <https://www.fis-ski.com/en/para-snowsports/para-alpine/documents>.

## 3. Factor System

According to art. 407.3 in the ICR, results in Para Alpine Skiing races are determined by the Factored Time of each competitor. Factored (or Calculated) Time is calculated based on the following formula:

$$FT = N_t * RF$$

- FT – Factored Time truncated to 1/100 of seconds
- $N_t$  – NET time truncated to 1/100 of seconds
- RF – Race Factor of each Sport Class per event (published here)

The calculation of Factored Time is performed directly by the results software used at the FIS sanctioned events.

## 4. FIS Points

Please refer to the FIS Para Alpine Skiing Points Rules available on the FIS website under the Para Alpine section - <https://www.fis-ski.com/en/para-snowsports/para-alpine/documents>.

## 5. Start Specifications and Procedures

Please refer to art. 409 in the ICR and the Start Area Instructional Manual for available on the FIS website under the Para Alpine - <https://www.fis-ski.com/en/para-snowsports/para-alpine/documents>.

### 5.1 Rules Specific to Different Sport Classes/Categories

Please refer to art. 1300 in the ICR for rules that apply to different sport classes/categories, including the guides and the vision impaired athletes.

## 6. Slope Specifications

Please refer to art. 1500 in the ICR.




## 7. Result Management

The following documents need to be verified by the Technical Delegate and sent to FIS via [ParaAlpine@fis-ski.com](mailto:ParaAlpine@fis-ski.com) for upload:

- PDF results including penalty calculation
- Results in .xml format
- TD Report in PDF (available under Race section: <https://www.fis-ski.com/en/para-snowsports/para-alpine/documents> )
- Timing and Technical Data Report (TTR) in PDF
- Any Jury Minutes

PDF results (including penalty calculation) should be named as in the example below. The four numbers highlighted in green colour present the codex number which differs for each competition

- PDF Result name example: 2023PAL0008RL

DUBAI 2023 FIS PARA ALPINE SKI ASIAN CUP						
Status	Date	Codex	Event	Category	Gender	
 	05 Nov	0265	Classification PI	AC	M	
 	06 Nov	0008	Slalom	AC	M	
 	06 Nov	0007	Slalom	AC	W	

## 7.1 Example of PDF results including penalty calculation

### Veysonnaz 2023 FIS Para Alpine Ski World Cup

#### Slalom (Men)

#### Official ranking

COMPETITION JURY			WEATHER	
TECHNICAL DELEGATE	CARZERI Simone	(ITA)	CONDITIONS	CLUDY
FIS RACE DIRECTOR	SKUTELJ Anja	(FIS)	SNOW	COMPACT
CHIEF OF RACE	FRAGNIERE JeanEdouard	(SUI)	AIR TEMPERATURE	-3,0 °C
REFEREE	GLASOTTA Frederico	(FRA)		

	Run 1		Run 2	
COURSESETTER	SULEK Ines	(USA)	KLUSAK Michal	(POL)
FORERUNNERS	- A - JAS Ricardo	(NED)	- A - JAS Ricardo	(NED)
	- B - JENSEN Pat	(AUS)	- B - JENSEN Pat	(AUS)
	- C - BIDAULT Meije	(FRA)	- C - BIDAULT Meije	(FRA)
COURSE	Piste de l'Ours		Piste de l'Ours	
START	2080 m		2080 m	
FINISH	1910 m		1910 m	
DROP	170 m		170 m	
HOMOLOGATION	11657/02/15		11657/02/15	
GATES	52		53	
DIRECTIONS	51		51	
STARTING TIME	09:30		12:30	

APPLIED PENALTY: 0,00	CALCULATED PENALTY: 3,71	F = 610
Number of competitors: 42, Number of NSA: 16		

Rnk	Bib	Name	Guide	Year	Nat	SpCl	Run 1 H	(Rnk)	Run 2 H	(Rnk)	Time H	Gap H	Points	WORLD CUP
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#### Men / Vision Impaired

1	13	BERTAGNOLLI Giacomo	Ravelli Andrea	1999		B3	42.35	(1)	44.24	(1)	<b>1:26.59</b>	0,00	100	
2	11	GOLAS Michal	Walas Kacper	2004		B3	44.80	(2)	44.96	(2)	<b>1:29.76</b>	3.17	22,33	80
3	12	DELEPLACE Hyacinthe	Piccard Roy	1989		B2	47.22	(3)	46.66	(3)	<b>1:33.88</b>	7.29	51,36	60
4	14	RAUEN Alexander	Huebner Monica	2001		B3	54.72	(4)	51.54	(4)	<b>1:46.26</b>	19.67	138,57	0

#### Men / Standing

1	27	CUCHE Robin		1998		LW9-1	46.87	(1)	46.67	(1)	<b>1:33.54</b>	48,96	100	
2	19	WALSH Thomas Charles		1995		LW4	47.50	(4)	48.38	(2)	<b>1:35.88</b>	2.34	65,45	80
3	21	BROISIN Jordan		1993		LW4	47.23	(3)	48.99	(4)	<b>1:36.22</b>	2.68	67,84	60
4	24	SEGERS Jules		2002		LW9-2	47.76	(6)	48.62	(3)	<b>1:36.38</b>	2.84	68,97	50
5	16	PUIG DAVI Roger		1997		LW9-2	48.70	(9)	49.07	(5)	<b>1:37.77</b>	4.23	78,76	45
6	15	BURNHAM Oscar		1999		LW6/8-2	47.63	(5)	50.21	(7)	<b>1:37.84</b>	4.30	79,25	40
7	17	HARAGHEY Andrew		1995		LW1	49.37	(10)	49.92	(6)	<b>1:39.29</b>	5.75	89,47	36
8	20	BENDOTTI Davide		1994		LW2	48.59	(8)	51.04	(9)	<b>1:39.63</b>	6.09	91,86	32
9	28	HALGREN Patrick		1992		LW2	50.20	(11)	50.22	(8)	<b>1:40.42</b>	6.88	97,43	29
10	29	RACHBAUER Manuel		2000		LW9-2	53.51	(12)	54.68	(10)	<b>1:48.19</b>	14.65	152,17	0

#### Did Not Finish - Run 1 (3)

22	GROCHAR Thomas	1993		LW2	
25	PFYL Thomas	1987		LW9-2	
26	KEEFE Jesse	2004		LW4	

#### Did Not Finish - Run 2 (1)

23	PELIZZARI Federico	2000		LW6/8-2	
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#### Disqualified - Run 2 (1)

18	HALL Adam	1987		LW1	Gate 53
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14.1.2023. / Veysonnaz

ASQI23 (0066) / 14.1.2023. at 13:35 / Page 1/2

Vola Timing (www.vola.fr) / SkiAlp Pro 11.1.02



## Veysonnaz 2023 FIS Para Alpine Ski World Cup

### Slalom (Men)

#### Penalty calculation



Rnk	Bib	Name	Nat	Year	Category	SpCI	Points	Best 5	Race points
Best 10 at finish									
1	13	BERTAGNOLLI Giacomo	ITA	1999	Vision Impaired	B3	4,45	4,45	0,00
2	11	GOLAS Michal	POL	2004	Vision Impaired	B3	24,20	24,20	22,33
3	33	PEDERSEN Jesper	NOR	1999	Sitting	LW11	11,23	11,23	24,16
4	34	DE SILVESTRO Rene'	ITA	1996	Sitting	LW12-1	12,87	12,87	40,08
5	32	PIERREL Victor	FRA	1992	Sitting	LW11	37,25	37,25	45,58
6	27	CUCHE Robin	SUI	1998	Standing	LW9-1	59,23	-	-
7	12	DELEPLACE Hyacinthe	FRA	1989	Vision Impaired	B2	61,80	-	-
8	19	WALSH Thomas Charles	USA	1995	Standing	LW4	39,82	-	-
9	21	BROISIN Jordan	FRA	1993	Standing	LW4	74,83	-	-
10	24	SEGERS Jules	FRA	2002	Standing	LW9-2	78,33	-	-

#### Best 5 at start

1	13	BERTAGNOLLI Giacomo	ITA	1999	Vision Impaired	B3	4,45		
3	33	PEDERSEN Jesper	NOR	1999	Sitting	LW11	11,23		
4	34	DE SILVESTRO Rene'	ITA	1996	Sitting	LW12-1	12,87		
2	11	GOLAS Michal	POL	2004	Vision Impaired	B3	24,20		
DNF	22	GROCHAR Thomas	AUT	1993	Standing	LW2	26,45		

(DNF: Did Not Finish, DSQ: Disqualified)

#### TOTAL

(B) List points of best 5 at start	79,20	
(A) List points of the best 5 to finish in top 10		90,00
(C) Race points of corresponding competitors		132,15
Calculated penalty (A + B - C) = 37,05 / 10	3,71	
Correction value (Z)	0,00	
Category adder	0,00	
Applied penalty	(3,71)	0,00

Technical Delegate: #911 Carzeri Simone (ITA)

## 7.2 Example of Timing and Technical Data 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.

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

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

<b>Result software</b>	<b>Software company</b>	<b>Software version</b>	
	ALGE	5.0.04	

<b>Connection to start</b>	<b>System A</b>	<b>System B</b>	<b>Voice connection</b>
	Cable	Cable	Cable

<b>Power On Time</b>	07:00 At least 30 minutes before Synchronization.					
	<b>1st Run</b>			<b>2nd Run</b>		
Time of day expressed in thousandths.	<b>System A (TOD)</b>	<b>System B (TOD)</b>	<b>Hand</b>	<b>System A (TOD)</b>	<b>System B (TOD)</b>	<b>Hand</b>
<b>Synchronisation time</b>	09:08:00		09:10:00	12:28:00		12:30:00
<b>Sync confirm at +1 minute</b>	09:09:01.891	09:09:01.891		12:28:59.914	12:28:59.914	
<b>Start TOD First Competitor</b>	10:24:52.833	10:24:52.831	<b>Net Time</b>	13:19:48.594	13:19:48.593	<b>Net Time</b>
<b>Finish TOD First</b>	10:26:12.325	10:26:12.068	1:19.49	13:20:53.865	13:20:53.861	1:05.27
<b>Hand Time First Competitor</b>	<b>BIB First</b> 25		1:19.43	<b>BIB First</b> 33		1:05.04
<b>Start TOD Last Competitor</b>	11:21:31.343	11:21:31.348	<b>Net Time</b>	14:08:07.155	14:08:07.156	<b>Net Time</b>
<b>Finish TOD Last</b>	11:22:40.045	11:22:40.049	1:08.70	14:09:19.139	14:09:19.128	1:11.98
<b>Hand Time Last Competitor</b>	<b>BIB Last</b> 85		1:08.74	<b>BIB Last</b> 83		1:11.64
<b>Best Run System A</b>		<b>BIB</b> 41	0:49.26		<b>BIB</b> 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	
<b>Name/Nation</b>	Ozzie Sawicki (CAN)	<b>Name/Nation</b>	Singer Stephan (SUI)	<b>Company</b>	St. Moritz Sport
<b>TD No</b>	945	<b>Telephone</b>	079 547 17 38	<b>Name/Nation</b>	Singer Stephan (SUI)
		<b>Email</b>	stephan.singer@stmoritz.ch	<b>Telephone</b>	079 547 17 38
				<b>Email</b>	stephan.singer@stmoritz.ch
<b>Signature</b>		<b>Signature</b>			

### 7.3 Example of TD Report



#### Report of the FIS Technical Delegate

<b>Competition Information</b>		<b>Technical Delegate</b>	
Place		Name	
Codex		Phone	
Date		Email	
Category			
Gender			
Event			
<b>Report Data</b>			
Number of competitors		Number of classified competitors	
Number of DNS on the 1 <sup>st</sup> run		Number of nations	
First aid service adequate		Date competition was held on	
Homologation number		Snow conditions	
Doping control		FIS points for winner	
Valid for FIS points			
<b>Results &amp; FIS Points</b>			
Were there any scoring or result processing issues			
Remarks about result processing			
<b>Timing &amp; Technical Setup</b>			
Timing report checked?		Were there any issues with timing?	
Remarks about timing			
Sanctions		Injuries	
Place and date		Signature	