Alpine Canada Alpin National Officials Program Level III Certification



November 1st, 2017

INTRODUCTIONS

NAME:

CLUB:

INVOLVEMENT IN RACING:

- Racer, Official, Parent etc.?

WHY THE LEVEL III OFFICIALS COURSE:

EXPECTATIONS OF THE COURSE:



AGENDA

- INTRODUCTION
- PRE-COURSE ASSIGNMENTS
- OFFICIALS PROGRAM
- RULES of SKI RACING
- CERTIFICATION & THE JURY
- PRE-RACE ADMINISTRATION
- THE RACE COUSE & SECURITY
- TIMING and the POINTS SYSTEM
- GATE JUDGING ... Common Problems
- MORE RULES
- RACE ORGANIZATION CHECKLISTS
- EXAM



OBJECTIVES

- To enhance participants' ability to assume leadership roles within alpine and para-alpine race structures.
- Understanding of race organization
 - Race organization officials roles and responsibilities
 - Race structure Administration, Start, Course, Finish, Timing, Results
 - Race protocols :
 - entries, team captains' meeting, draw, course inspection, race jury / ROC, protests, jury meeting, timing, results, points



An Effective Official

- Serves the best interests of all competitors
- As unobtrusive and inconspicuous as possible
- Committed to the quality of officiating
- Respects the abilities and efforts of competitors and other officials
- Honours commitments and is timely
- Impartial, encouragement is equal, doesn't coach
- Flexible, adapts to bring the event to a successful conclusion



Pre-course Assignment

 Review and discussion of pre-course homework and Case Studies





Officials Program

Why the Officials Program

- Risk Management (security) first
- Fairness Always
- Reliable Race Results
- Standard methods of race organization
- Enable Volunteers to become Officials
- Support Officials in applying theory to practice
- Supporting the athlete's race program



Officials Program

- 4 Levels of Officials
- Parallel development Race Administration, Timing/Results, Race Operations, Course, Jury
- 4 levels of Technical Delegates



Officials Program

Classroom study and examination



- Approved Course Conductors
- Approved TD Examiners



Officials Job Categories

Administration	Event Quality	Course	Timing	Jury
Race Organizing Committee Race Chair Chief of Administration		Chief of Race (also Jury Member) Chief of Course Chief of Gate Judges Gate Judge	Chief of Timing and Calculations Chief of timing Timer Starter	Technical Delegate TD Candidate Referee
Secretariat Finance Accommodation Scoreboard	Chief of Event Quality Chief of Ski Area Relations Chief of Awards and Media Relations	Chief of Equipment Chief Steward Steward	Calculator Recorder Finish Controller Assistant Starter	



Technical Delegate Program

- Five levels of Technical Delegate (TD).
- Certification must be maintained.
- TD training program (Candidate).



Jury Case Studies



Put on your thinking cap



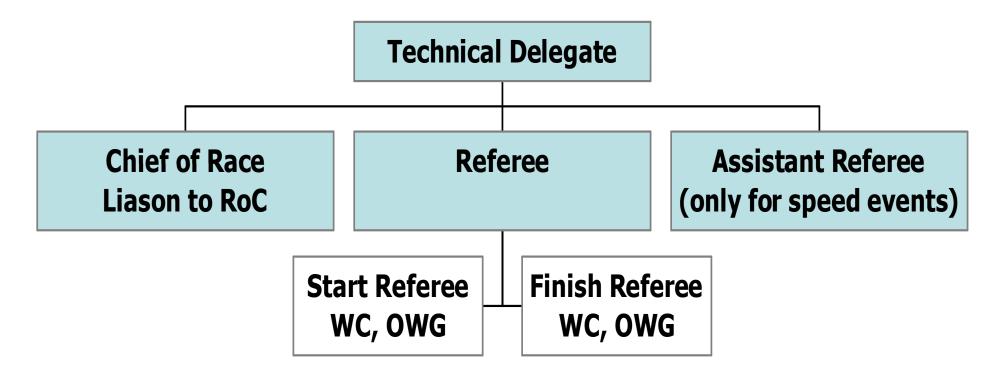




Jury Detail

- Overview
- Responsibilities
- The Technical Delegate
- Re-runs, Sanctions, Disqualifications, Protests

Race Jury – ICR 601.4





Race Jury – 601.4.6

Duty:

While each member of the jury has some specific responsibilities (TD - ICR 604.9, Referee - 604.10), the voting jury members are jointly and equally responsible/accountable for the decisions the jury makes.

Guiding principles for decision making include:

- compliance with the rules of racing,
- the **security** of the athletes / participants, and
- the delivering the **fairest** competition environment for the circumstances at the time (variables: weather, time, resources, equipment, etc.).
- consistent application of *due process* and *hard evidence* protocols to resolve protests.



Race Jury

- Voting members & their appointment
- "Jury Advisors" and "Eyes of the Jury"

Non-Points Races

- All age groups, calendared by divisions with PSO
 - Club specific 'house-league' and 'fun-n-glory' programs usually are not under PSO sanction

National Points Races

- U14 and older, calendared at ACA by PSO
- Competitive stream to qualify for provincial and national championships

FIS Races

- U18 and older, calendared FIS by ACA
- Competitive stream to qualify for provincial and national teams that compete at the Continental Cup and World Cup circuits



Jury Responsibilities

- Rules
- Security
- General responsibilities
 - Technical Delegate
 - Chairing the Jury
 - Referee & Assistant Referee
 - Start Referee, Finish Referee, Course Setter
 - Chief of Race
 - Operations
 - Jury Advisors
 - Start Referee
 - Finish Referee



Technical Delegate – ICR 602, 601.4.9

• rules advisor, security advisor, certifies race results

Representative the Sanctioning Body	Chair of the Competition Jury 601.4.5	Member of the Race Organizing Committee 601.3
602.1.1		
 FIS or Alpine Canada Alpin, as applicable Certification of race results (sole discretion, not a jury decision) Enforcement of technical standards 	 Leader, facilitator, advisor Panel of equal votes except for breaking ties Chief of Race Referee / Asst Referee, as applicable 	 Chief of Race Referee(s) Start Referee Finish Referee Jury advisors / eyes of the jury, as appointed Chief of the Course Chief of Timing and Calculations Chief of Administration Chief of Gate Judges Chief of Medical and Rescue Chief of Equipment





Race Secretariat

- Chief of Administration (Race Administrator / RA)
- RA Forms

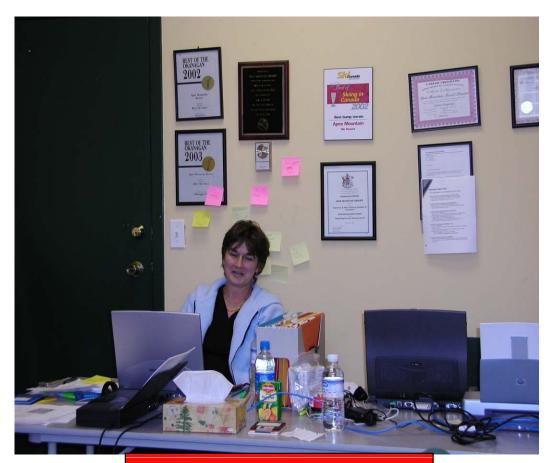
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- Team Captains' Meeting
 - Entries, Draw, 1st Run Start List, Snow Seed

Race Secretariat

- Secretariat checklist
- List of supplies
- Race Notice
- Race entry form
- Team Captain's meeting ~ checklist
- Draw Board
- Results



Chief of Administration



R A Forms

	etition (Name/Place) /Manife staltung (Name/Ort)	station(Nom/Lieu	W.		Date of r	ace / Date	de la cou	rse / Datum de	s Wettkamp
Respo f. Meld	insible for entry/Responsat	ile de l'i	nscription	/Verantwo	ortlich	Category Catégorie Kategorie	F			
Nation	al Association/Féderation	National	le/ Nation	aler Verbi	and		FIS UNI CHI	_ ма	s 🗆	
COM FIS Code	PETITORS / COURE Surname, First Name Nom de famille, Prénom Familienname, Vorname	YB AN JG	/ WETT	SG	FER GS		SC/C	NTE	Arrival Arrivée Anreise (dd.mm.yy)	Departure Déepart Abreise (dd.mm.y
_									(addining))	Gammig
		-	_			-	-	_		
							_			
					-	+	-	_		
_			_			-	-			
7										
		-	_		-	+	-			
		-			-	-	-			
Entry	with FIS points / inscript					1211	Punkten e FIS pur			



FORMULAIRE D'INSCRIPTION
ANMELDUNGSFORMULAR

Surname, First Name Nom de famille, Prénom Familienname, Vorname	Arrival Arrivée Anreise	Departure Déepart Abreise	Position on the team Position en l'equipe Position im Team			
	(dd.mm.yy)	(dd.mm.yy)				
			Team Captain / Chef d'equipe / Mannschaftsführer			
			Trainer / Entraineur / Trainer			
		_				
		_	Doctor / Médecin / Arzt			
			Physiotherapist / Masseur / Masseur			
			Technicians / Techniciens / Technike			
			Service personnel / Personnel de service / Servicepersonal			
		_				
Place, Date / Lieu, Date /	Ort, Datum	Signature / 3	Signature / Unterschrift			

FÉDÉRATION INTERNATIONALE DE SKI INTERNATIONAL SKI FEDERATION INTERNATIONALER SKI VERBAND



RAForms

A DESCRIPTION OF

Date / Date / Datum	Site / Lieu / C	h	Country / Pays / Lar	d Event (SL
Name of event / Nom	de l'événement	/ Name der Veranstaltung		
Place of jury inspecti Besichtigung Jury	on / lieu d'inspi	ection du jury / Ort der	Place	Time
Radios / Radios / Fun	geräte			
Liaison Coaches				
Lift open / Ouverture of	les remontées	mécaniques / Lift öffnet		
Warmup and training d'entrainement / Aufwä				
Run / Manche / Lauf			1st / 1ëre / 1.	2 nd / 2éme
Course setter / Traceu				-
	d / Entrée ferm ossen	une) / Besichtigung (eine) sée pour coureurs / Zutritt		
Fotografen am Platz		oour tous / Zutritt für alle		
	ntraineurs en p	osition / Trainer am Platz		
POV Camera Number / Nombre / Anzahl	Heure	time 1st camera racer / de depart caméra 1 / eit voriaufer 1		
Forerunners Number / Nombre / Anzahl	Heure	time 1st Forerunner / de depart ouvreur 1 / t Vorlaufer 1		
Start time racer no. 1	/ Heure de dép	art no 1 / Startzeit Nr. 1		
Start interval / Interval	le de départ / S	itartintervall		
Television breaks / Te	levisione intern	nediate / TV Pause		
Slip crews / Lisseurs /	Rutschkomma	ndos		
Intermediate times / T	emps interméd	iaires / Zwischenzeiten		
			Place	Time
Flower ceremony / Cé	rém. Des fleur	s / Blumenzeremonie		
Prize giving ceremon	y / Remise des	prix / Siegerehrung		
Public draw / tirage au Offentliche Auslosung /		Racers must appear		
Press conference / Co	inference de pr	esse / Pressekonferenz		
Course setter next rad Kurssetzer nächste				
Next team captains m	eeting / Proch innschaftsführe s / Verschieden	rsitzung		

FIS PROGRAM FOR / PROGRAMME / PROGRAM WC Alpine Speed L Date / Date / Datum Site / Lieu / Ort Country / Pays / Land Event (DH / SG) Name of event / Nom de l'événement / Name der Veranstaltung Time Place of jury inspection / lieu d'inspection du jury / Ort der Place Besichtigung Jury Radios / Radios / Funkgeräte Liaison Coaches Lift open / Ouverture des remontées mécaniques / Lift öffnet Warmup and training area / Piste d'échauffement et d'entrainement / Aufwarm- und Trainingspiste Inspection (one) / Reconnaissance (une) / Besichtigung (eine) Entry for racers closed / Entrée fermée pour coureurs / Zutritt für Wettkämpfe geschlossen Photographers on place / Photographes en position / Fotografen am Platz Entry for all closed / Entrée fermée pour tous / Zutritt für alle geschlossen Coaches on place / Entraîneurs en position / Trainer am Platz POV Camera Number / Nombre / Anzahl Start time / Heure de depart / Startzeit 1st camera racer Forerunners + reserve Number / Nombre / Anzahl Start time / Heure de depart / Startzeit Forerunner Interval Start time racer no. 1 / Heure de départ no 1 / Startzeit Nr. 1 Start interval / Intervalle de départ / Startintervall Television breaks / Televisione intermediate / TV Pause Places Back to start Yellow zones / flags Zones jaunes / drapeaux 1st 2nd Gelbe Zonen / Flaggen 3rd Slip crews / Lisseurs / Rutschkommandos Intermediate times / Temps intermédiaires / Zwischenzeiten & speed Place Time Flower ceremony / Cérém. Des fleurs / orunnersen entre Prize giving ceremony / Remise des prix / Siegerehrung Racers must appear Flower ceremony / Cérém. Des fleurs / Blumenzeremonie Public draw / tirage au sort / Offentliche Auslosung / Press conference / Conference de presse / Pressekonferenz Gourse setter at start / Traceur au départ / Kurssetzer am Start Next team captains meeting / Prochaine séance des chefs d'équipes / Nachste Mannachartishthersitzung Miscetlaneous / Divers / Verschiedenes

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Team Captains' Meeting





Team Captains' Meeting

- Constitute the Jury
- Confirm entries
- Confirm representation
- Confirm seeding
- Execute the draw
- Present and confirm program
- Confirm timing and location of next TCM



Start Order – ICR 621

- One run race event
- Two run race event
 -1st run
 - Tie for 30th place
 - -2nd run
- Snow Seed
- Starting order for FIS races (1st & 2nd run)



Snow Seed

- Extraordinary circumstances (when snowing)
- In advance of the race the Jury may change the start order in DH, SG, GS
- 6 competitors are drawn from the last 20% of the field.
- Start before Bib #1
- In reverse order of their start number



# of Racers 30 31	20%	Bib Numbers	# of								
30 31		Numbers			Bib	# of		Bib	# of		Bib
31	6.0	A REAL PROPERTY AND ADDRESS OF	Racers	20%	Numbers	Racers	20%	Numbers	Racers	20%	Numbe
		25 - 30	63	12.6	51 - 63	96	19.2	78 - 96	129	25.8	104 - 12
20	6.2	26 - 31	64	12.8	52 - 64	97	19.4	79 - 97	130	26.0	105 - 1
32	6.4	27 - 32	65	13.0	53 - 65	98	19.6	. 79 - 98	131	26.2	106 - 1
33	6.6	27 - 33	66	13.2	54 - 66	99	19.8	80 - 99	132	26.4	107 - 1
34	6.8	28 - 34	67	13.4	55 - 67	100	20.0	81 - 100	133	26.6	107 - 1
35	7.0	29 - 35	68	13.6	55 - 68	101	20.2	82 - 101	134	26.8	108 - 1
36	7.2	30 - 36	69	13.8	56 - 69	102	20.4	83 - 102	135	27.0	109 - 1
37	7.4	31 - 37	70	14.0	57 - 70	103	20.6	83 - 103	136	27.2	110 - 1
38	7.6	31 - 38	71	14.2	58 - 71	104	20.8	84 - 104	137	27.4	111 - 1
39	7.8	32 - 39	72	14.4	59 - 72	105	21.0	85 - 105	138	27.6	111 - 1
40	8.0	33 - 40	73	14.6	59 - 73	106	21.2	86 - 106	139	27.8	112 - 1
41	8.3	34 - 41	74	14.8	60 - 74	107	21.4	87 - 107	140	28.0	113 - 1
42	8.4	35 - 42	75	15.0	61 - 75	108	21.6	87 - 108	141	28.2	114 -
43	8.6	35 - 43	76	15.2	62 - 76	109	21.8	88 - 109	142	28.4	115 -
44	8.8	36 - 44	77	15.4	63 - 77	110	22.0	89 - 110	143	28.6	115 - 1
45	9.0	37 - 45	78	15.6	63 - 78	111	22.2	90 - 111	144	28.8	116 -
46	9.2	38 - 46	79	15.8	64 - 79	112	22.4	91 - 112	145	29.0	117 -
47	9.4	29 - 47	80	16.0	65 - 80	113	22.6	91 - 113	146	29.2	118 -
48	9.6	39 - 48	81	16.2	66 - 81	114	22.8	92 - 114	147	29.4	119 -
49	9.8	40 - 49	82	16.4	67 - 82	115	23.0	93 - 115	148	29.6	119 -
50	10.0	41 - 50	83	16.6	67 - 83	116	23.2	94 - 116	149	29.8	120 -
51	10.2	42 - 51	84	16.8	68 - 84	117	23.4	95 - 117	150	30.0	121 -
52	10.4	43 - 52	85	17.0	69 - 85	118	23.6	95 - 118	151	30.2	122 -
53	10.6	43 - 53	86	17.2	70 - 86	119	23.8	96 - 119	152	30.4	123 -
54	10.8	44 - 54	87	17.4	71 - 87	120	24.0	97 - 120	153	30.6	123 -
55	11.0	45 - 55	88	17.6	71 - 88	121	24.2	98 - 121	154	30.8	124 -
56	11.2	46 - 56	89	17.8	72 - 89	122	24.4	99 - 122	155	31.0	125 -
57	11.4	47 - 57	90	18.0	73 - 90	123	24.6	99 - 123	156	31.2	126 -
58	11.6	47 - 58	91 0	18.2	74 - 91	124	24.8	100 - 124	157	31.4	127 -
59	11.8	48 - 59	92	18.4	75 - 92	125	25.0	101 -125	158	31.6	127 -
60	12.0	40 - 59	93	18.6	75 - 92	125	25.2	102 - 126	159	31.8	128 -
61	12.0	49 - 60	94	18.8	76 - 94	120	25.4	102 - 120	160	32.0	129 -
62	12.4	51 - 62	95	19.0	77 - 95	128	25.6	103 - 128	161	32.2	130 - 1

ICR - 602.1.9

In extraordinary conditions, the Jury may change the starting order of a Downhill race, a Giant Slalom or a Super G (when snowing, etc.). A group of at least 6 competitors, nominated in advance, start before start number 1. These 6 competitors are drawn from among the last 20% of the start list. They will start in reverse order of their start numbers.







Race Course Preparation & Security

Course Preparation

- Planning
- Selection of Race Course
- Snow Preparation
- Protection Installations



Course Preparation

- Machine Grooming tilling
- Snow making
- Water
- Water Bar
- Chemicals





Protection Installations

- Fencing
 - 'C' fencing
- Netting
 - -'A' system 'B' netting
- Padding
 —Willey bags



Protection Installations



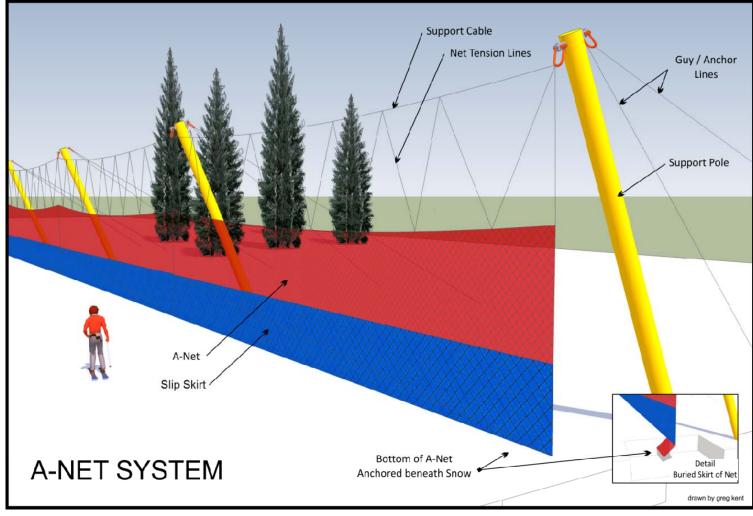


Protection Installations





A systems





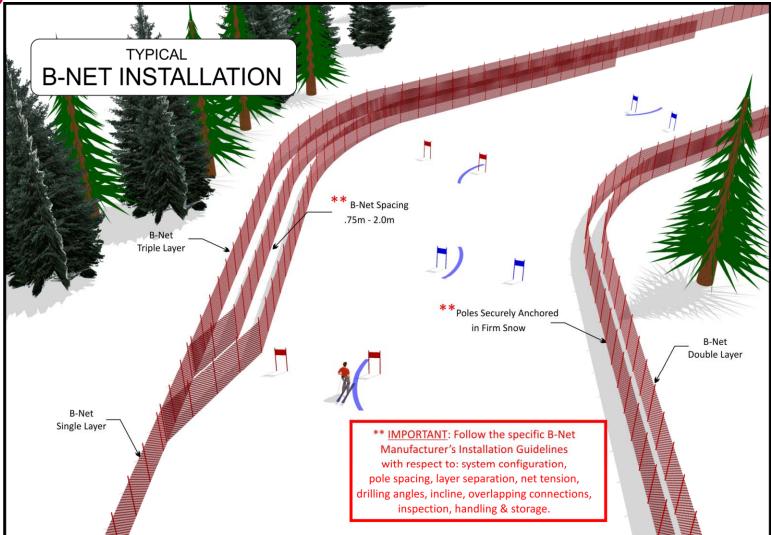
A systems











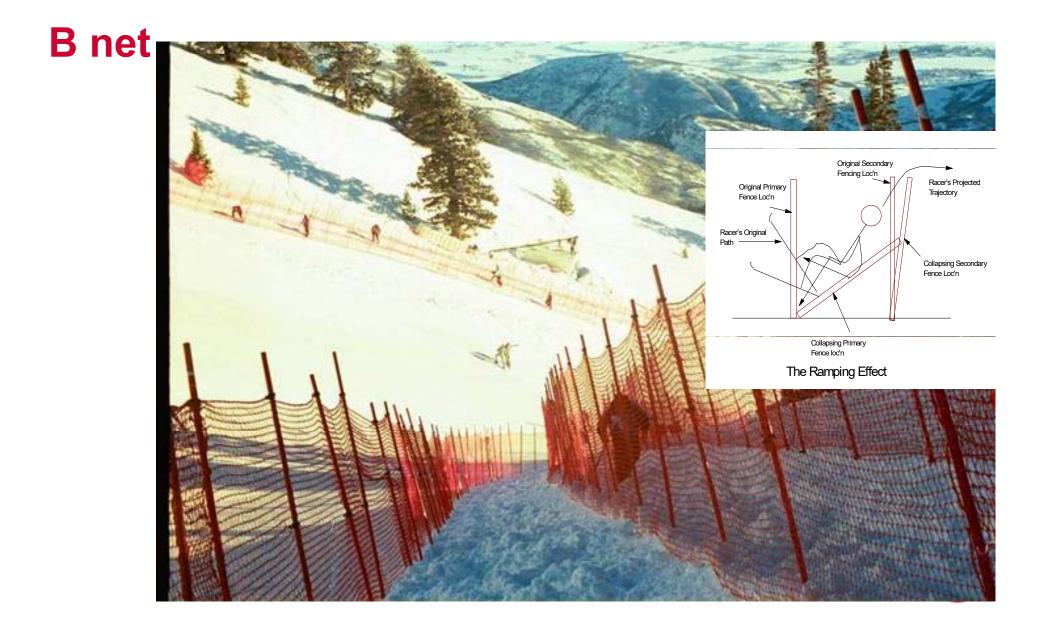
B net



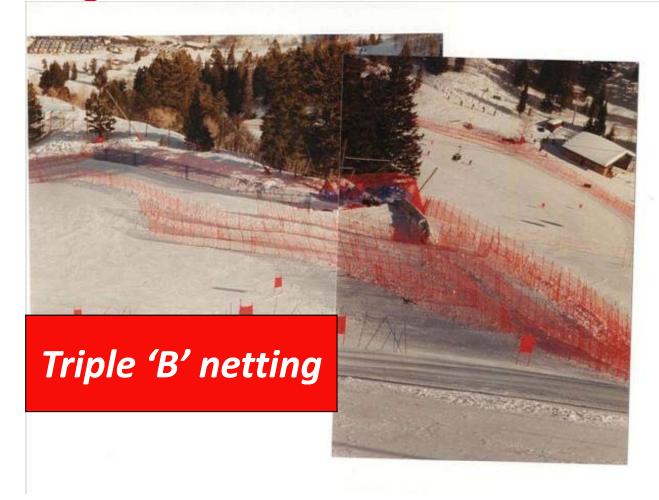






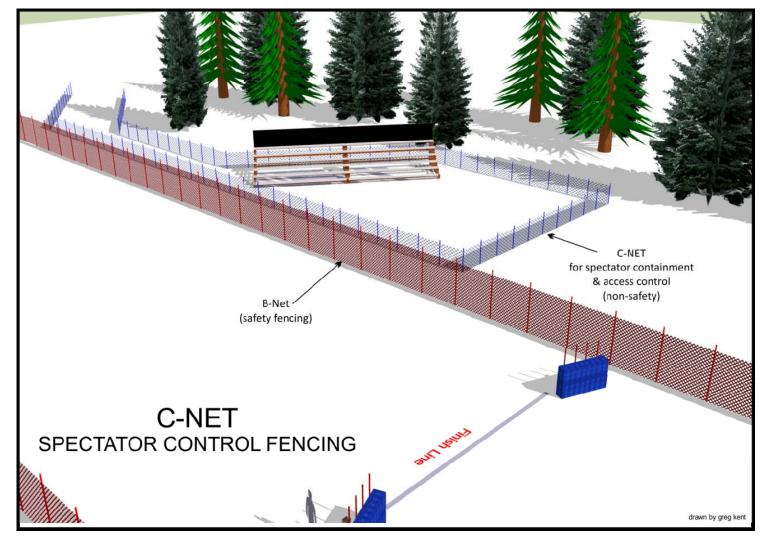


Course Setting Terms





C fencing





Obstacle Protection

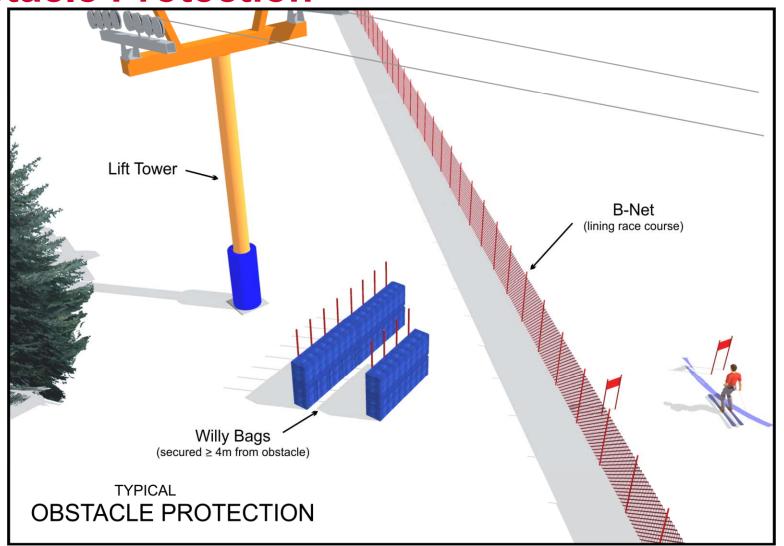
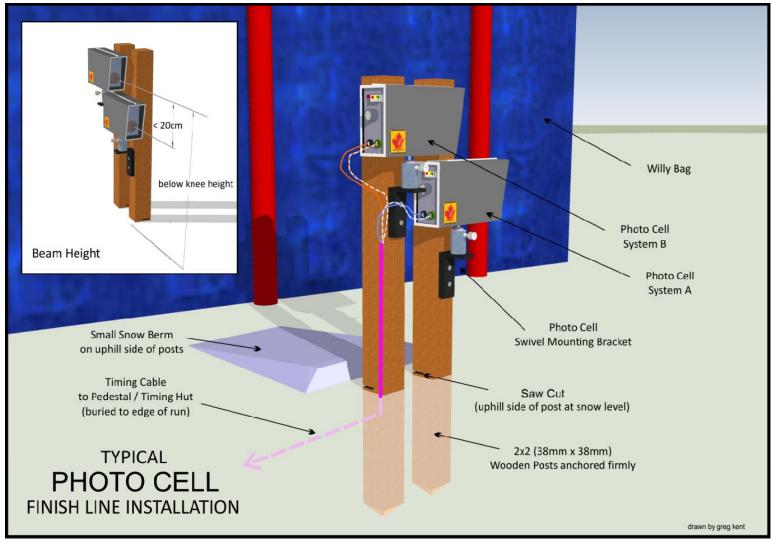




Photo Cell Protection





Discuss

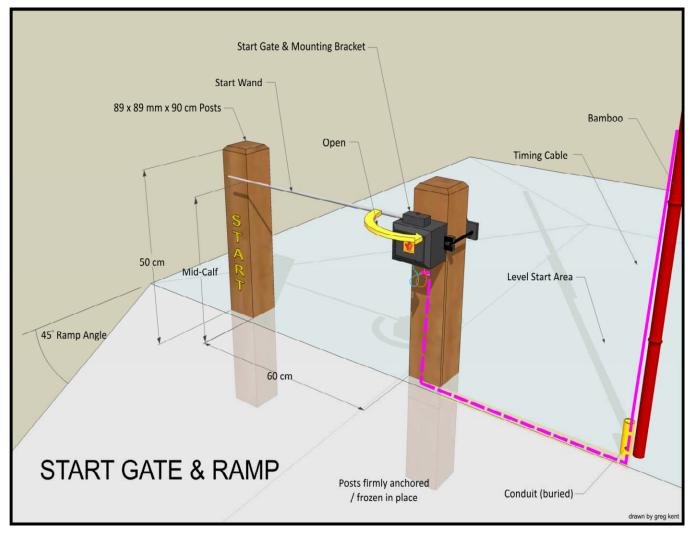




Discuss

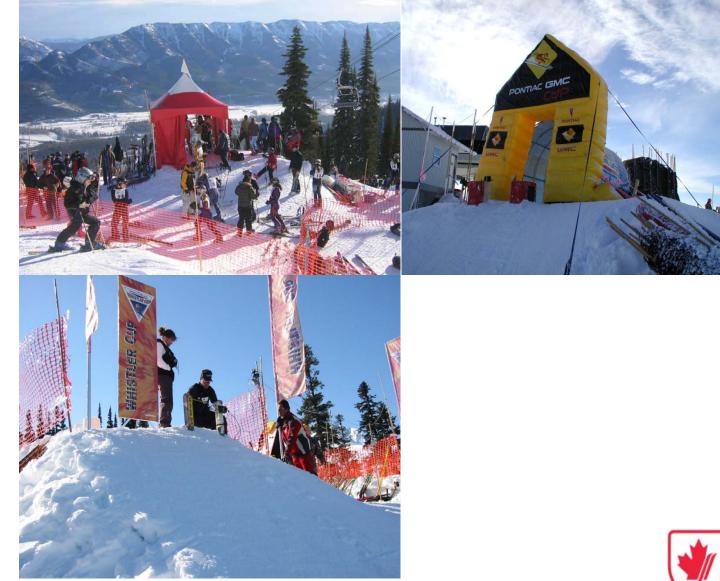


Start Area – ICR 613.1, 613.2



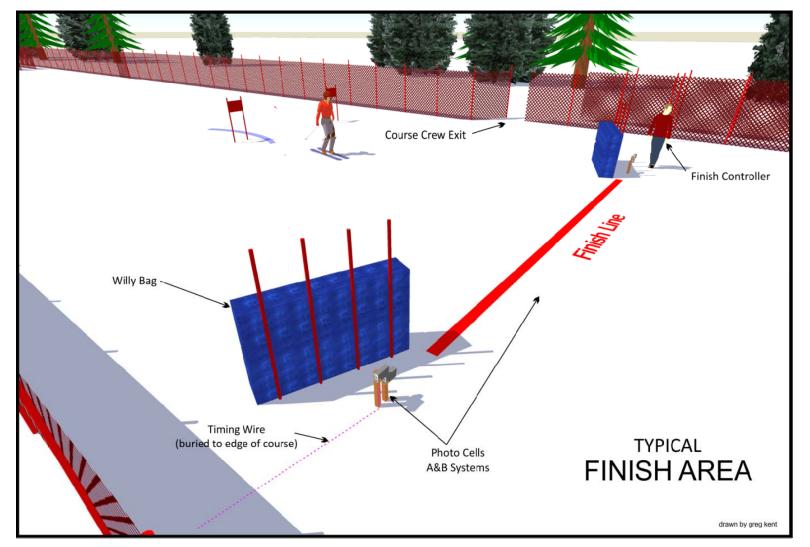


Start Area





Finish Area – ICR 615.1, 615.2





Finish Area











Course Setting

Course Setting

- •" . . . ready in time" for inspection
- •Gate detail
- Correct passage
- Obligation to inspect
- Inspection method



Race Course Technical Specifications

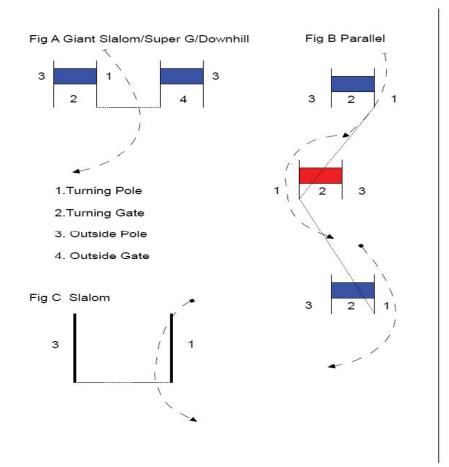
Check List for vertical drop (VD), number of gates (NG) and number of direction changes (DC)

EVENT		r	OWG/WSC	WC	coc	FIS	сні	ENL	
DH L VD			450 -		1 Run: 400-500m 2 Runs: 300-400m				
(Art. 700)	L. M	Gate Panel)					
Downhill		VD	3						
		NG							
	м	VD	800 (750 ¹) - 1100		500 - 1100	450 - 1100		1 Run: 400-500m 2 Runs: 300-400m	
SL (Art. 800)	L	VD	140 - 22	0	120	- 200	100 - 160	80 - 120 3 Runs: 50 min	
19930			Number of direction changes						
Slalom	M	DC	30%-35% (+ / - 3)			32%-38%(+/-3)	30%-35% (+ / - 3)		
	м	VD	180 - 220		140 - 220		100 - 160	80 – 140 3 Runs: 50 min	
GS (Art. 900)	L	VD	300 - 40	- 400 250 - 400		200 - 350 ²⁾	200 - 250		
	L M								
Giant Slalom		DC	11% - 15% 13 % - 18%					13% - 15%	
		Gate Panel			art. 695)	t. 695)			
	м	VD	300 - 45	300 - 450 25		450	200 - 350 ²⁾	200 - 250	
SG (Art. 1000)	L	VD	400 - 60	0	350 - 600		250 - 450	350 - 500	
Super-G		00		_	Number o	f direction c	hanges		
	M	DC			7% min	8% + 12%	7% min		
		Gate Panel		0,75 × 0,50 red (orange)& blue (see					
	м	VD	400 - 650			350 - 650	250 - 450	350 - 500	
Р		VD	80 - 100				U14: 60-U16: 80		
(Art. 1220) Parallel	L M	NG		20 - 30			U14: 12 - 15 U16: 15 - 22		
	1	Gate Panel	0.75 x 0.50	0.75 x 0.50 red course / blue course					

¹⁾ In exceptional case (see art. 701.1.1) ²⁾ see art. 901.1.4

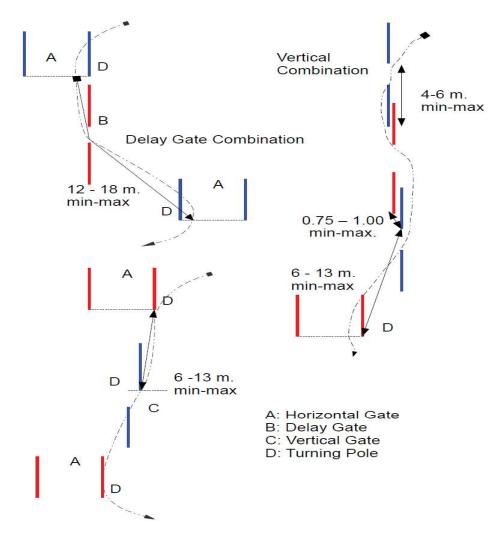


Course Setting Terms



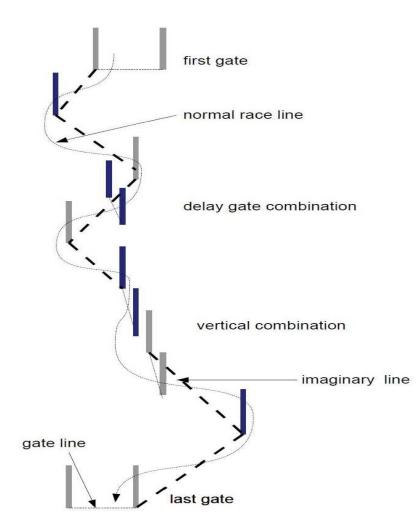
















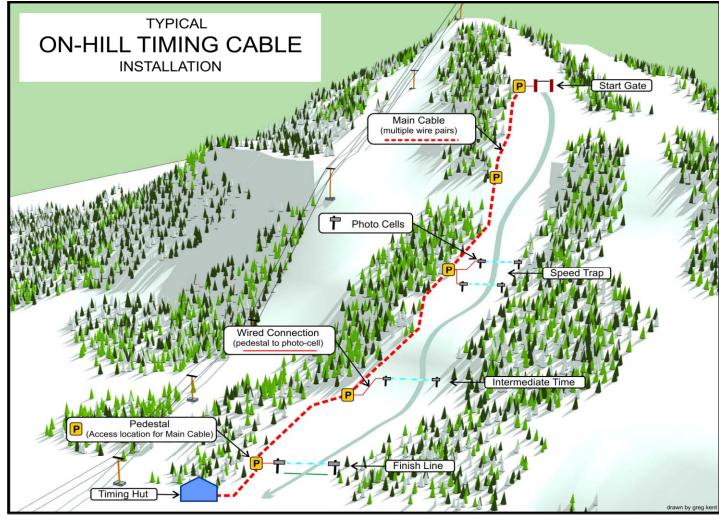


Timing - ICR 611

- Rules of Timing
 - Multiple communications
 - Printed electronic timing to $1/100^{th}$ second
 - Hand timing mandatory
 - Electronic timing failure
- Equivalent Electronic Time EET
- National Timing Form



Timing





Timing Synchronization

- Timing Booklet, Alpine Skiing, v2.54 May 2016
- Synch confirm at +1 minute:
- Synchronization to the Time of Day for all systems must be accomplished. Connect all timing devices that run in time of day at one start source (one single contact only for checking) and start the time of day of all timing devices. Trigger the timing devices again after 1 minute and chick if the time of day for this impulse is within a 1/1000ths (0.001) for System A and System B timers. If they are not, you must re-synchronized and try again.



Timing Synchronization

- Homologated starting gates have two separate contacts. It is not sufficient to synchronize the timers by simply opening the start gate.
- Synchronization must be executed with all timers connected to receive the start impulse from a single source. Use of a single "plunger" trigger is the preferred method. Alternatively, all timers must be connected to just the System A pair or just the System B pair of plugs from a start gate.

A Timing Best Practice:

- After the forerunner reports have been received from the Finish Referee, the TD should seek or receive confirmation from the Chief of Timing that:
 - all of the timers are correctly synchronized,
 - both the start and the finish hand timers are operating correctly, and
 - both the start and the finish hand timers are being operated correctly.



Electronic Equivalent Time

611.3.2 Utilization of times taken by hand

Hand times may be used in the official results after a correction has been calculated.

Effective fall 2017, the missing System A **time of day** element (start impulse or finish impulse) is calculated to the precision of the System A timer (1,000's or 10,000's of a second, as applicable) and manually inserted into the timing data (M flag).



EET

- TOD Replacement produces better result, most of the time
- TOD replacement works with or without synchronization
- Math can be done either way, alternate minus primary or primary minus alternate
- For athletes missing both start and finish time, NET Time calculations (old method) produces exact same result as doing the math with a replaced TOD start and replaced TOD finish
- Replacement calculations should be done to the .001 precision
- Look for and use electric system B whenever possible, no matter how you do the math, electric gives a much better result!



EET

611.3.2.1

Calculation of the correction time of day impluse:

Subtract the electronic time from the time taken by hand (or vise versa) for the all of the 10 competitor times preceding the missing time. If there are not 10 times before, complete the calculation with the remaining times after the missed time.

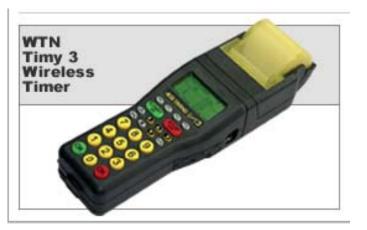
The sum of the 10 time differences is divided by 10 and rounded up or down (0.044 -> 0.04, 0.045 -> 0.05) to give the correction which must be applied to the hand time of the competitor without an electronic time.



EET

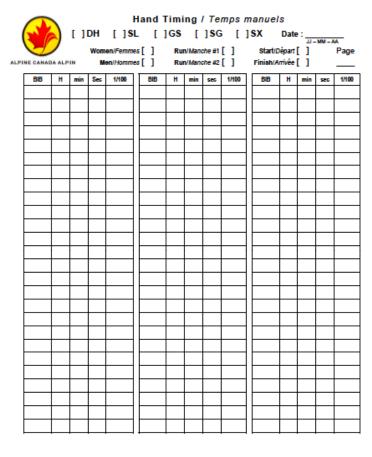
.001 primai	ry and	.01 replacement syst	tem (hand timing)		Calculate to
	Bib	Sys A TOD Fin	HT Finish TOD	Sys A - HT	Sys A precision
	27	08:19:18.019	08:19:17.88	0.139	
	30	08:21:20.141	08:21:19.92	0.221	
	31	08:27:20.215	08:27:20.14	0.075	
	32	08:28:01.178	08:28:01.13	0.048	
	33	08:28:40.759	08:28:40.58	0.179	
	34	08:29:21.983	08:29:21.94	0.043	
	35	08:30:03.018	08:30:02.86	0.158	
	36	08:30:38.179	08:30:38.03	0.149	
	38	08:31:20.619	08:31:20.52	0.099	
	39	08:32:01.521	08:32:01.43	0.091	
Missing	40		08:32:43.89	1.202	
			/10	0.120	
		Replacement Finish	Add adjust to HT	Primary Start	Resulting Net Time
		08:32:44.010		08:31:24.489	00:01:19.521

On-hill Hand Timing



- One of the widely used stand-alone hand timing devices available.
- Synchronization with system A and B timers
- Bib number input
- Impulse by plunger-trigger
- Data retention
- Data download
- Printed strips

Using digital stop watches means using recording forms



CODEX : F= _____ - M= _____ Recorded by/Chronomitté par: ______ v:2011-10



Start, Countdowns, Finishes

- Start Timing shall measure the exact time the competitor crosses the start line with his leg below the knee
- Start Countdowns
 - Start signal / interval 613.4
- Valid and False Starts (613.6, 613.7, 628.5, 629.3)
- Determination of Finish (614.1.1, 615 f)
- Timing of the Finish



Technical Timing Report

Required for all FIS races, and ACA provincial / national championships.

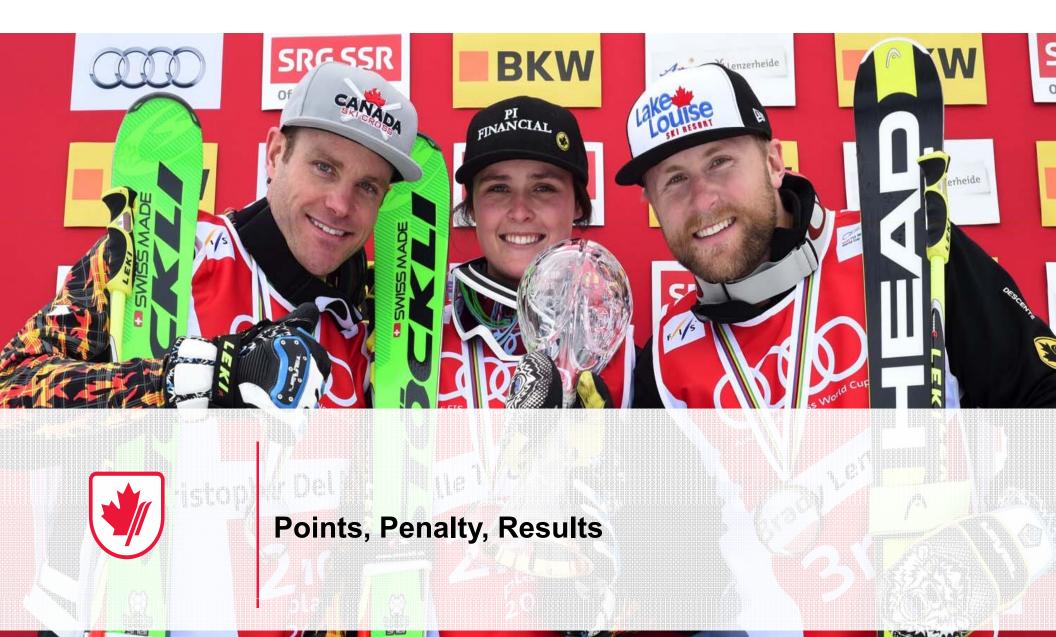
Submit to the National Timing Group c/o officials@alpinecanada.org



Technical Timing Report

					CODEX exa	mple 0247
FIS	Timing & Dat	ta Technical Rep	oort	Alpine	321	
	To accompany TD Report imm	nediate transmittal One form re	equired for each Co	dex	Version 7.	1
ocation:	Bromont, Quebec					s s
lation:	CAN			MEN: 2 LADIES:		
Event Name:	SUPER SERIE SPORTS E	PERT				
Date (dd/mm/yy):	02-16-12]				
	Brand	Model	Serial	Number	Homologation #	
Sys A Timer:	TAG HEUER	CP540 CP540		1587	TAG.070T.	
Sys B Timer:				1215	TAG.070T.08	
Start Gate: Finish Cells A:	ALGE	STSnM2S	0212038		ALG.S53T.10 TAG.L49T.10	
Finish Cells B:	TAG HEUER TAG HEUER	HL 2-32 HL 2-32	769		TAG.L49T. TAG.L49T.	
Software			Date Results = Tapes		TAG.L491.	10
Scoring and Results Preparation:	Brand SplitSecond	Version National FIS 6.24 rev 9	2012-02-09		r	
scoring and results Preparation:	Spinsecond	National FIS 6.24 FeV 9	2012-02-09	Confirmed	1	
Connections to Start:	System A	System B	1	/oice Comm.	1	
Cable, Radio or other- (Specify)	Cable	Cable		Cable/Radio	1	
POWER ON Time (warm-up):	7:16	At least 30 minutes before Synchr	onization.			
Time of day		1st Run			2nd Run	
expressed in thouandths.	System A (TOD) #	System B (TOD) #	Hand Sync,	System A (TOD) #	System B (TOD) #	Hand Sync
Synchronization Time	9:50:00	and the second second	9:50:00	13:57:00		13:57:00
Synch confirm at +1 minute	9:50:59.657	9:50:59,657	Start Start	13:57:59,901	13:57:59,901	
Start TOD First Competitor *	10:00:35,232	10:00:35,230	Net Time	14:08:37,734	14:08:37,732	Net Time
Finish TOD First (1) (52)*	10:01:16,529	10:01:16,527	41,29	14:09:22,789	14:09:22,787	45,05
Hand Time First Competitor *	10.01.10,025	10.01.10,527	41,41	14.05.22,705	14.00.22,707	44,94
TOD Last Competitor	10:58:41,257	10:58:41,245	41,41	14:41:27,308	14:41:27,300	
Finish TOD Last (83) (65)*	10:59:29,319	10:59:29,306	48,06	14:41:27,308	14:41:27,300	
Hand Time Last Competitor *	10:59:29,319	10:59:29,306		14:42:11,470	14:42:11,462	44,16
* First and Last to Finish with complete data.		and the second sec	48,08	and the second	and the second sec	44,32
Best run-time System A		Bib:(1)	41,29		Bib: (15)	40,13
	Indicate:	Yes I No	41,23			40,13
Nere all Results from system A?	a results timed on any evet					
Were all Results from system A? List any or all bib numbers used in the WHY? Batteries Data Source for replacement system Comments:	Snow obscuration	wire break		Photocell alignment System C D Manual	Other? (describe)	
Were all Results from system A? List any or all bib numbers used in the WHY? D Batteries Data Source for replacement system	Snow obscuration	wire break wire break to the FIS rules. wire broke to the FIS rules.	System B	Photocell alignment		
Were all Results from system A? List any or all bib numbers used in the WHY? Data Source for replacement system Comments:	Snow obscuration	wire break wire break to the FIS rules.	System B	Photoceil alignment System C D Manual	Other? (describe)	
Were all Results from system A? List any or all bib numbers used in the WHY? Data Source for replacement system Comments:	Snow obscuration A time. (resp. ICR 611.2.1) Itoms of this event adhered to Roch	wire break	System B	Photoceil alignment System C D Manual		FIS TD





Points System

- National Points System
- FIS Points System
- Points List On the FIS & ACA web sites
- Race Points Specific formula
- Race Penalty Calculated number to equalize races on different hills
- Racer Points or Result Race points + Penalty = Result
- **Points** average of two results in each discipline



Race Points P = [(Tx/To)-1] x F

- All calculations must be done to at least 4 decimal places ~ no rounding off till calculation complete
- Round off to 2 decimal places as follows:
 - Ignore 4th decimal and use the value of the 3rd decimal place to round the 2nd decimal place

 $0 - 4 \sim$ stays the same 5 - 9 goes up



Penalty Calculation

Procedure:

- 1. List top 10 finishers
- 2. Add up list pts for the best 5 list point finishers from the top 10
- 3. Add up the list points for the best 5 list points who **started** the race irrespective of finish
- 4. Add the results of the best 5 who finished and who started
- Deduct the race points of the best
 5 list points holders
- 6. Divide by 10
- 7. Adjust by Z and adder values

C P		E LA PEI		UNG					
Name of ev Nom de l'év	énement								
Name der V Date Date Datum	eranstaltung	E	Event Epreuves Bewerbe		Name of the TD Nom du DT Name des TDs				
The best 1		/ 10 meill	eurs à l'arrivée						
Result Résultat Resultat	Number Name Dossard Nom Nummer Name				Time FIS-Points Ber Temps Points FIS 5 m Zeit FIS-Punkte 5 b			Race points Pts de course Rennpunkte	
	-				-				
	-	-				-			
	-								
						-			
gestarteten	FIS-Punkte	t 5 starte	d / 5 meilleurs	points i	-/S ayant	pris le dépa	rt/ Die 5 bes	sten	
	-								
TOTALS /	TOTALS	CLIMAN	The second se						
(B)	FIS Point Points FI	ts of best 5 S des 5 meil		départ			1		
(A)	FIS Point Points FI	ts of best 5 S des 5 mei	to finish in top 1 leurs dans les pre- ikte aus den erster	miers 10]	
(C)	Race Poi Points co	nts of corre	esponding competences ces concurrents prechenden Wettk	etitors					
A	d penalty	/ Pénalité B	é calculée / Be	erechn		: 10			
Competing	value / \	/aleur de	correction / K	orrekt	irwert (-7	>+7 Art. 4.4	7)		



ÉDÉRATION INTERNATIONALE DE SKI NTERNATIONAL SKI FEDERATION NTERNATIONALER SKI VERBAND

Penalty Calculation

- Some Important Points to Note in National Race Penalty Calculation:
- The maximum penalty value for a National Level race is **500.00.**
- The "Fill In" point is to be use in case there are less then five racers with NATIONAL points is **500.00** for all discipline. This fill in must also be use if the racer's points are over **500.00**
- There will be no "ADDER" used at National level races.
- There will be no "Z" factor's used at the National level races.
- If two or more competitors have the fifth best points, which should be taken into consideration for the penalty calculation, the competitor with the higher
- race points will be considered for the penalty calculation. (Reason: better penalty).



Source for current variables



Alpine Skiing

2017/2018

1st FIS points list 2017/2018

Valid	from	01	-07-2	017	to	09-08-2017	

Category/Catégorie/Kategorie	Race level	Minimum penalty	Maximum penalty
OWG,WC,WSC	0	0.00	0.00
сом	0	0.00	4.00
FQUA,EQUA	0	9.00	999.00
FEC,SAC,UVS,NAC,EC,WJC,ECOM,ANC	1	6.00	999.00
NC	2	8.00	999.00
AWG,CISM,FIS,CIT,UNI,JUN,CORP,NJC,NJR,YOG	3	9.00	999.00
ENL	4	40.00	999.00

MEN					GE	LADIES										
		AD	DDER			Z-Value	e Men/Ladies			ADDER						
Disc.	Level 0	Level 1	Level 2	Level 3	Level 4		F Value	Max points	Disc.	Level 0	Level 1	Level 2	Level 3	Level 4		
DH	0	0	2	3	13	0.00	1250.00	310.00	DH	0	0	2	3	13	0.00	
SL	0	0	2	3	13	0.00	720.00	145.00	SL	0	0	2	3	13	0.00	
GS	0	0	2	3	13	0.00	980.00	200.00	GS	0	0	2	3	13	0.00	
SG	0	0	2	3	13	0.00	1080.00	250.00	SG	0	0	2	3	13	0.00	
AC	0	0	2	3	13	0.00	1150.00	250.00	AC	0	0	2	3	13	0.00	

FÉDÉRATION INTERNATIONALE DE SKI INTERNATIONAL SKI FEDERATION INTERNATIONALER SKI VERBAND



Penalty Example

Slalom Ladie final SS 2017-01-08 FIS PENALTY CALCULATION

THE BEST 10 AT FINISH:

PXE 8 janvier	2017		Page 5			
DATA PROC	ESSIN	G BY SPLI	T SECOND SOFTWARE		TIMIN	IG ALGE TIMY?
08-01-17	/ STA	TION MONT	SAINTE-ANNE LIST: FLW0817	CANG	283.1018	SF9 / 1
			LAMBERT JOHN	(C	AN)#1018	
PENALTY A	PPLIE	D:	11	1 1018	/	50.50
CORRECTIO	N VAL	UE (Z)	/	211		
CATEGORY						3.00 +0.00
ROUNDED						47.50
CALCULATE	D PEN		A) (B) (C)	-		47,495
(C) RACE	POIN	TS OF COR	RESPONDING COMPETITORS			33.93
(A) FIS	POINT	S OF BEST	5 TO FINISH IN TOP 10		284.81	
	POINTS	S OF BEST	5 AT START	224.07		
TOTALS						
DNF2	15	107589	NOLIN, Frederique	47.33		
1	13	107648		47.26	(
DNF1	12	107695		45.40	~	14
DNF1	4	107696	CUMMING, Meg	42.92	/	1/10/0
2	11	107759	ROUSSIN, Heidi	41.16		16:018
THE BEST	5 AT	START:				/
10	27	107984	CARDINAL, Frederique	87.29		
9	28	107873		87.78		
8	17	107804	THOMAS, Abby	69.13		
7	22	108023		78.38		
6	16	107763		67.38	67.38	15.68
5	18	107758		75.90	00.00	5.25
3	6 9	107990	SMITH, Sierra PATTERSON, Soleil	66.60	65.60	9.25
2	11	107759		41.16	41.16	4.31
1	13	107648		47.26	47.26	0.00
RESULT	NR.		SURNAME+NAME	POINTS		POINTS
RACE	BIB	CODE	COMPETITOR	FIS	BEST 5	



Results

- Rules for the form and content of results
- Accuracy of input of data is essential for correct preparation of results
- Distribution of race results available from FIS, ACA or PSO depending on level of race.



Results

						ALPINE	ON	TAR	IO SOUT	н				
Į					PARMA	LAT ONT CRAIGL FEBRU WOME	EITH ARY 2	SKI 6 20	000	PS				
						OFFIC	IAL B	ESUI	TS					
	JURY	1						TEC	HNICAL I	ATA:				
	TECH	NICAL	DELEGA	TE:	JF BROUS	SEAU	CAN	NAM	E OF COU	JRSEI	BIG	JOHN		
	REFE	RREI			ANDREA M	ARCHAND	CAN	ST	RT ELEV	4	400			
	CHIE	FOF	RACE		ANDREA M GRAHAM H	ESS	CAN	FIN	ISH ELEY	1.	229			
								VEF	RTICAL DE	OP:	171			
								-		202	0.025			
								HOP	OLOGATIO	214 :	403/	125/72		
					1ST RUN				RUN					
										1000				
		SE SE	TTER :		BLAIR TH									
21	FORE	ROWNE	.KS :		CARRIE G TAYLOR S	RINTER	CAN	T.2	OD THEPP	20025	CAN			
					TAILOR S	BROWN	CAN	C.	SAVAGE		GBR			
	NO.	OF GA	TES:		62 10.50			55						
	STAR	T TIM	151		10.50			2.0	0					
į	WE	ATHER	TURE:	PAR	TLY CLOUD RT 14 C	Y	H 15	c	SNOI	1: 5 2	GRANU	JLAR 05	F =	580

					PETITOR			NAT	TIME 1ST RUN	TI 2NI	EME D RUN	TIME	L	RACE POINTS
	1	2	106345	DAV	IS Ashley CHINO Ang AN Jessie			CAN	0:52.76	0.5	50.87	1:43.	63	0.00
	2	11	106251	VAC	CHINO Ang	ela		CAN	0:54.20	0:5	50.03	1:44.	23	3.36
	3	20	106259	BEH	AN Jessie			CAN	0:54.36	0:4	19.96	1:44.	32	3.86
	4	15	106465	LAW	RENCE She	rry		CAN	0:54.60	0:5	50.14	1:44.	74	6.21
1	5	1	106372	LAT	TIMER Lau	ren		CAN	0:54.04	0:5	50.98	1:45.	02	7.78
	6	7	105404	WAL	KER Rache	1		CAN	0:53.62	0:5	51.62	1:45,	24	9.01
	7	4	106371	LAM	BROPOULOS	Yota		CAN	0:54.51	0:5	51.20	1:45.	71	11.64
	8	18	106378	MORT	TON Kayly	n		CAN	0:55.93	0:5	50.65	1:46.	58	16.51
		6	106274	KAL:	TENBOCK N	atalle		CAN	0:54.83	0::	52.32	1:47.	15	19.70
	10	8	106351	EMPI	SY Jennir	er		CAN	0:55.80	011	1.36	1:47.	16	19.76
	12	10	106128	CHAI	MAN Chri	etina		CAN	0.55.71	0.5	22.74	1.48.	90	20,98
	13		106353	FOP	ND Dulie	a c a side		CAN	0.55.00	0.5	13 40	1+49.	30	31.73
	14	31	106320	COL	LIVER Jen	nifer		CAN	0:57.41	0.5	52.49	1:49	90	35.09
	15	27	106321	DANS	AN Jessie RENCE She RENCE She BROPOULOS TON Kayly TENBOCK N EY Jennif ED Joanna PMAN Chri AND Julie SON Emily			CAN	0:56.58	0:5	53.76	1:50.	34	37.55
					H SKI CLU	в			CANS			SF8 /		
		TIMI	NG											



			COMPETITOR		TIME	TIME 2ND RUN	TOTAL	RACE
	NO.	NO.	SURNAME, NAME	NAT	1ST RUN	2ND RUN	TIME	POINTS
16	35	106322	MACNAUGHTON Amanda	CAN	0:57.90	0:53.69	1:51.59	44.55
17	21	106380	NEWMARCH Andrea	CAN	0:57.55	0:55.14	1:52.69	50.71
18	36	106491	BLACKETT Hilary	CAN	0:58.08	0:55.13	1:53.21	53.62
19	26	106475	MONTIS Jennifer	CAN	0:58.28	0:55.76	1:54.04	58 26
20	55	106498	SORICHETTI Nicole	CAN	0:59.99	0:54.35	1:54.34	59 94
21	47	106453	JAMES Stephanie	CAN	0.59.84	0.55.37	1.55 21	64 81
22	39	106325	ADAMSON Elizabeth	CAN	1:00.33	0.54 90	1.55 23	64 92
23	60	106392	ROSENFELD Joanna	CAN	0.59.71	0.55 55	1.55 26	65 05
24	4.0	106265	DONALDSON Sarah	CAN	0.59 44	0.55 89	1.66.22	65.00
25	61	106448	GOODMAN Fiona	CAN	1.00.96	0.55.03	1.55.10	70 30
26	42	106454	TENSET Inder	CAN	1.00 63	0.55.62	1.50.15	76 33
27	26	106346	DEBOIL Lindeau	CAN	1:00.63	0:50.02	1.57.25	70.23
20	4.4	106330	DEDUC BINGBRY	CAN	1.01.00	0157.71	1:57.39	77.01
20	4.0	106326	Limit P lession	CAN	1:01.08	0156.50	1:57.58	78.08
20	30	106503	DITILE JUSSICA	CAN	1:00.71	0157.02	1:57.73	78.92
30	30	106502	TOWPICH KIM	CAN	1:03.88	0:54.78	1:58.66	84.12
31	19	106387	PRIOR ABNIEIGN	CAN	1:00.88	0:58.40	1:59.28	87.59
32		106402	VANDERBEEK Kelly	CAN	1:06.38	0:53.26H	1:59.64	89.61
33	50	106400	TILLEY Sarah	CAN	1:02.31	0:57.69	2:00.00	91.62
34	45	106331	BILOSKI Erin	CAN	1:02.55	0:57.97	2:00.52	94.53
35	5	105738	FERGUSON Linsey	CAN	1:04.03	0:57.15	2:01.18	98.22
36	68	106520	MURPHY Dawn	CAN	1:02.65	0:58.83	2:01.48	99.90
37	56	105842	GIBSON Lindsay	CAN	1:02.56	0:59.18	2:01.74	101.36
38	54	106469	MAGEE Elizabeth	CAN	1:04.74	0:59.02	2:03.76	112.66
39	52	106493	CREED Jenny	CAN	1:04.80	1:00.40	2:05.20	120.72
40	63	106359	GEORGE Alanna	CAN	1:04.77	1:00.54	2:05.31	121.34
41	66	106519	KIELTYKA Renee	CAN	1:05.06	1:00.77H	2:05.83	124.25
42	23	106456	SURNAME, NAME MACNAUGHTON Amanda NEMMARCH Andrea BLACKETT Hilary MONTIS Jennifer SORICHETTI Nicole JAMES Stephanie ADAMSON Blizabeth ROSENFELD Joanna DONALDBON Sarah GOODMAN Fiona JENSET Inger DEBOU Lindsay BENEDICT Stephanie LITTLE Jessica TOWFICH Kim FNICR Ashleigh FNICR Ashleigh FNICR Ashleigh FNICR Ashleigh FNICR Ashleigh FNICR Ashleigh FNICR Ashleigh CANEDEZEK Kelly TILLEY Sarah BILONKI Erin BILONKI Erin MIESON Lindsay MIESON Lindsay	CAN	1:11.11	0:56.76	2:07.87	135.67
		TART (
	14	106130	FRASER Fairlie	CAN				
		na n	201021022					
DID	NOT F	NISH (IST RUN)					
	10	106148	MAC NAUGHTON Carrie	CAN				
	13	106386	PATTILLO Maggie	CAN				
	17	106122	DEBRUYN Margaret	CAN				
	32	106276	MACDONALD Whitney	CAN				
	33	106361	GRUEN Gillian	CAN				
	34	106467	LUSH Maris	CAN				
	38	106171	VANDERBEEK Laura	CAN				
	43	106126	EAGLESON Lindsay	CAN				
	46	106307	LAURNURMBERG Tiiu	CAN				
	49	106437	DAKERS Jessica	CAN				
	51	106350	MAC NAUGHTON Carrie PATTILLO Maggie DEBRUNY Margaret MACOUNLD Whitney GRUEN Gillian LUSH Marie UANDERBEEK Laura EAGLESON Lindsay LAURNUMMBERG Tilu DAKEBS Jessica DYSON Paige	CAN				
26-1	12-200	0/CRATG	FITH SET CLUB		CAN57	10 580	CP8 / 3	
			LEITH SKI CLUB					
ALGI	TIMI							



POS	NO.	CODE NO.		NAT		TIME 2ND RUN	TOTAL	POINT
	53		LARKIN Kelly	CAN				
	64		FERRI Andrea L	USA				
	67	106505	VOGRIN Caylee	CAN				
DIS	QUALI	FIED	(1ST RUN)			0		
DIE	NOT 1	TART	2ND RUN)			0		
0.00								
DID	NUT	AINISH I	(2ND RUN)					
	12	106176	WRIGHT Carolyn	CAN				
	24		FRASTACKY Alexandra	CAN				
	37	106296	SIMPSON Bryony	CAN				
	29		GAUDET Lindsey	CAN				
	28	105942	FLYNN Erin	CAN				
	41	106417	DELAROSBEL Kelsey	CAN				
	57	106450	HEDICAN Krista	CAN				
	65	106422	PRAZERES Laura	CAN				
	62		VENABLES Christina	CAN				
	58	106481	PETRELLA Vaylen	CAN				
DIS	QUALI	FIED	(2ND RUN)			GATE:		
	59	106426	COXON Francine	CAN		1		
26	02.20	A CRAT	LEITH SKI CLUB		CANET	10.580	SF8 /	
1.0	02-201	VV/ CRAIN	APTIN SUT CRAP		- Contract of	10.200	959 1 .	•





Results

Race results with penalty calculation are submitted on-line by uploading .xml files in the prescribed formats. The files are emailed to <u>alpineresults@fisski.ch</u>. Files are to be named in the following format:

CANcodex_TD#.xml CAN1383_1018.xml note: race codex must be 4 digits e.g. 0567 not 567.

The subject line for uploading emails should be "Results CANcodex.TD # e.g. Results CAN1383.1018

TTRs are submitted on-line by uploading .xml files in the prescribed formats to <u>alpineresults@fisski.com</u>. The TTR software has an email facility built in. Copies should be sent to the RA, the TD and the Canada FIS TD Commissioner at the same.

yearALcodexTR.xml 2017AL1383TR.xml

- The TD Report is prepared and submitted on-line by the FIS TD using his/her secure FIS portal. The TD is to send a copy to the Race Administrator for record keeping.
- Hardcopy and scanned copies of all reports are to be retained by the Race Administration for 1 year. In addition to the results, penalty, TTR and TD Report, retained records include all minutes, 1st Run Start Lists, Referee Reports, Accident Reports, supplementary reports and timing strips.



.com not .ch

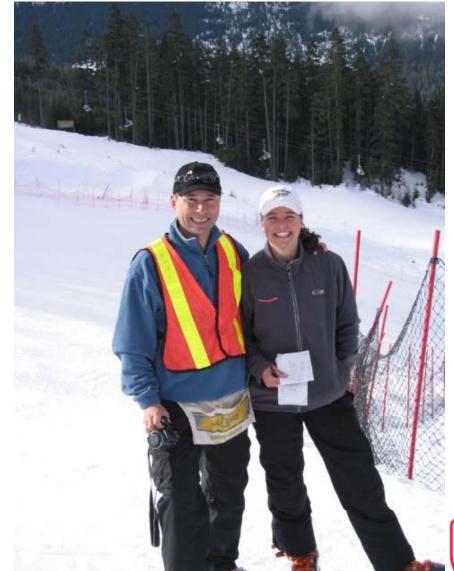




Gate Judging

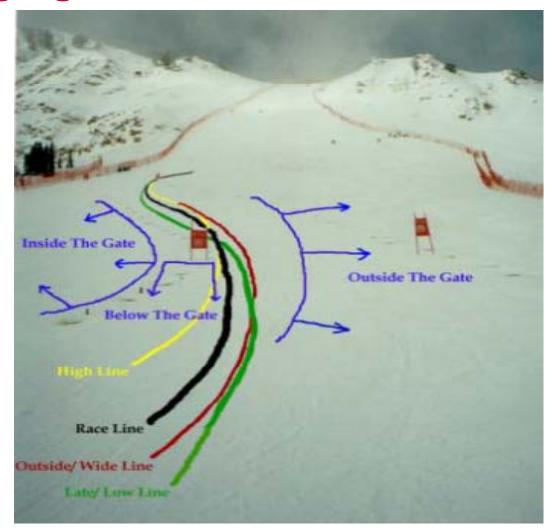
Gate Judges ICR 660 - 669

- Checklist for Chief of Gates
- Guidelines for Gate Judges
- Number of Gates per GJ
- GJ Quiz



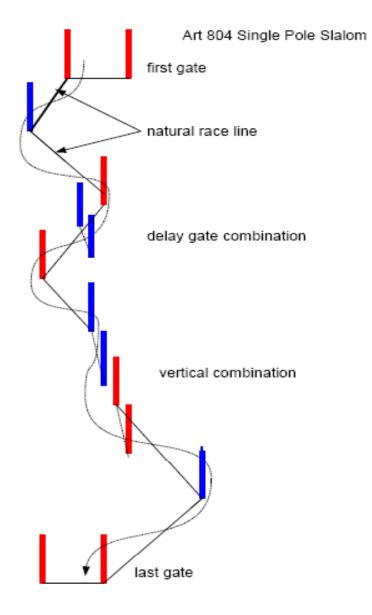


Gate Judging Terms





Correct Passage Single Pole/Panel 804.3, 904.3 In single pole SL and GS, both feet and ski tips must have passed the turning pole on the same side, following the normal race line crossing the imaginary line from turning pole to turning pole.





Correct Passage

NO CLIMBING

614.2.3

- If a competitor comes to a complete stop (e.g. after a fall), he must no longer continue through previous or further gates.
 - All fixed start disciplines (GS, SG, DH)

Climbing permitted for SL as long as the competitor does not interfere with the run of the following competitor **OR** [the competitor] **has not** been passed by a following competitor.



Correct Passage Videos



Thank you

 Thank you to the countless volunteers and Officials that make ski racing in Canada what it is

today.

• Your dedication is appreciated both in the classroom and on the hill.

