



OFFICIAL LEVEL 1





Outline

1. Overview: Introduction to Alpine Ski Racing
2. Roles
3. Security

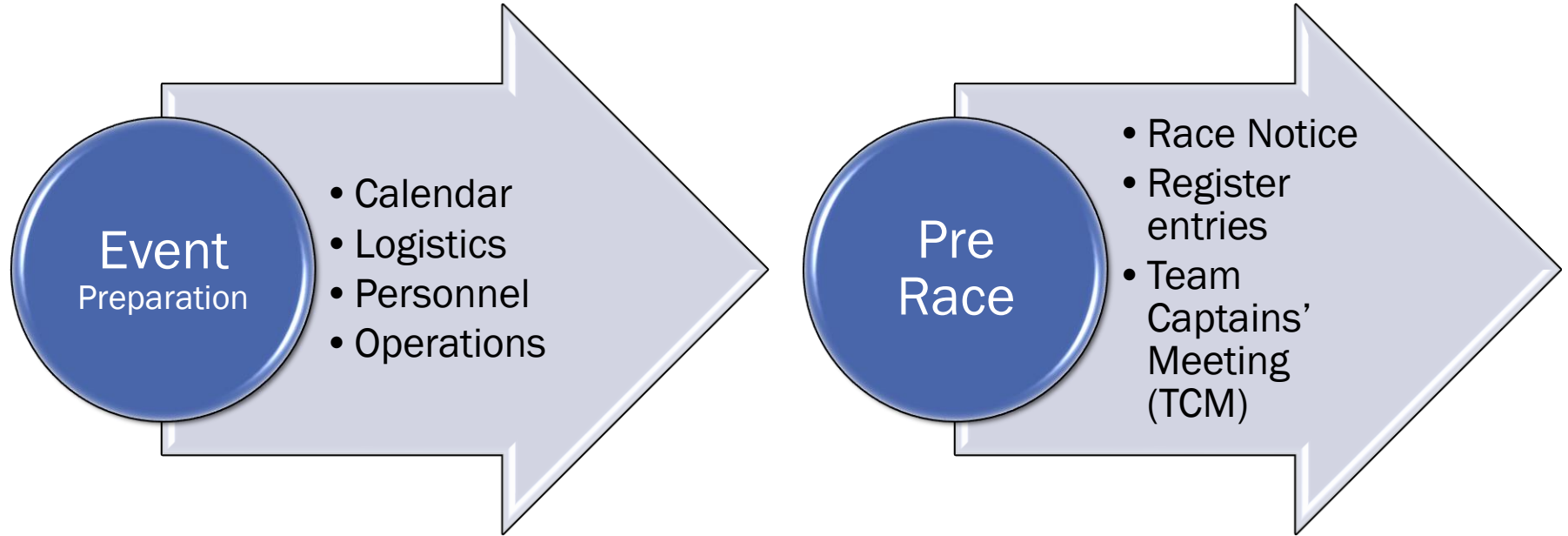


OVERVIEW



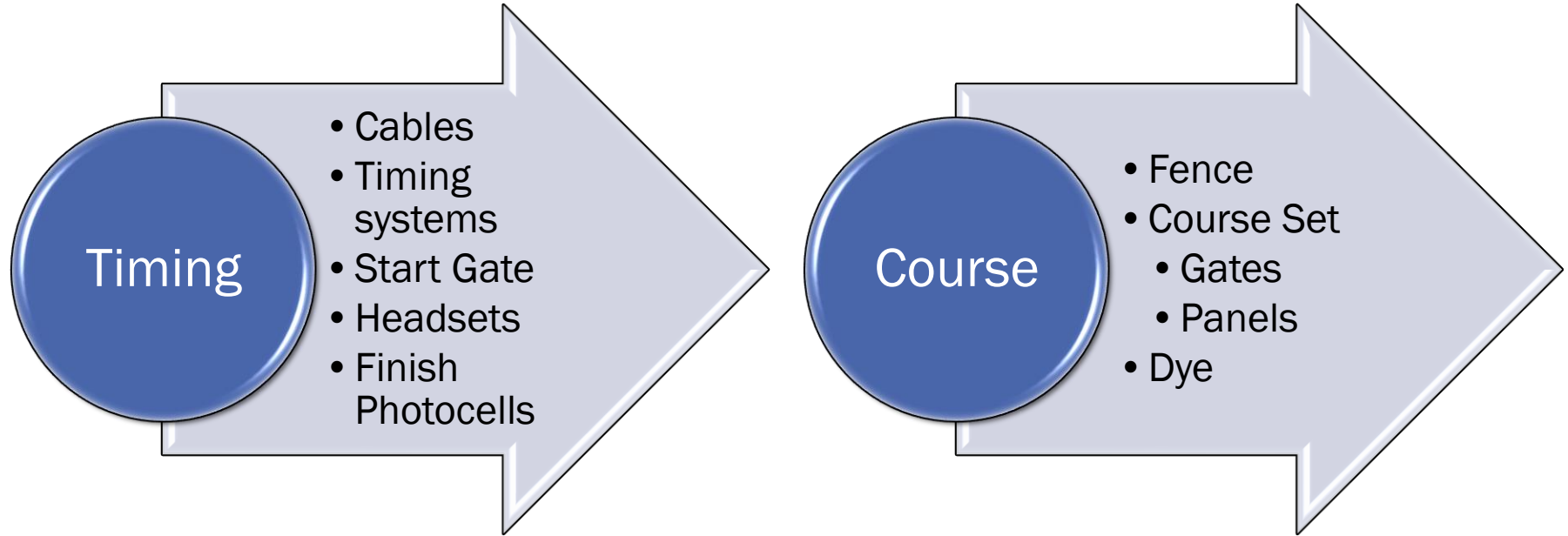


1. Preparation



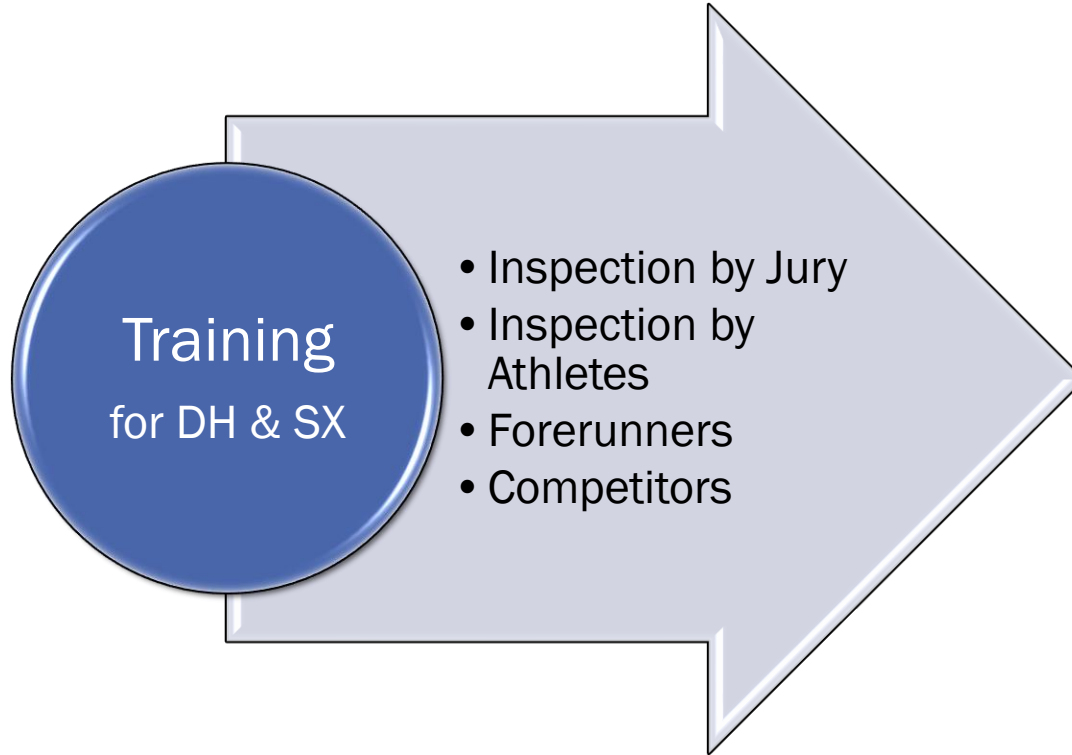


2. Set Up Equipment



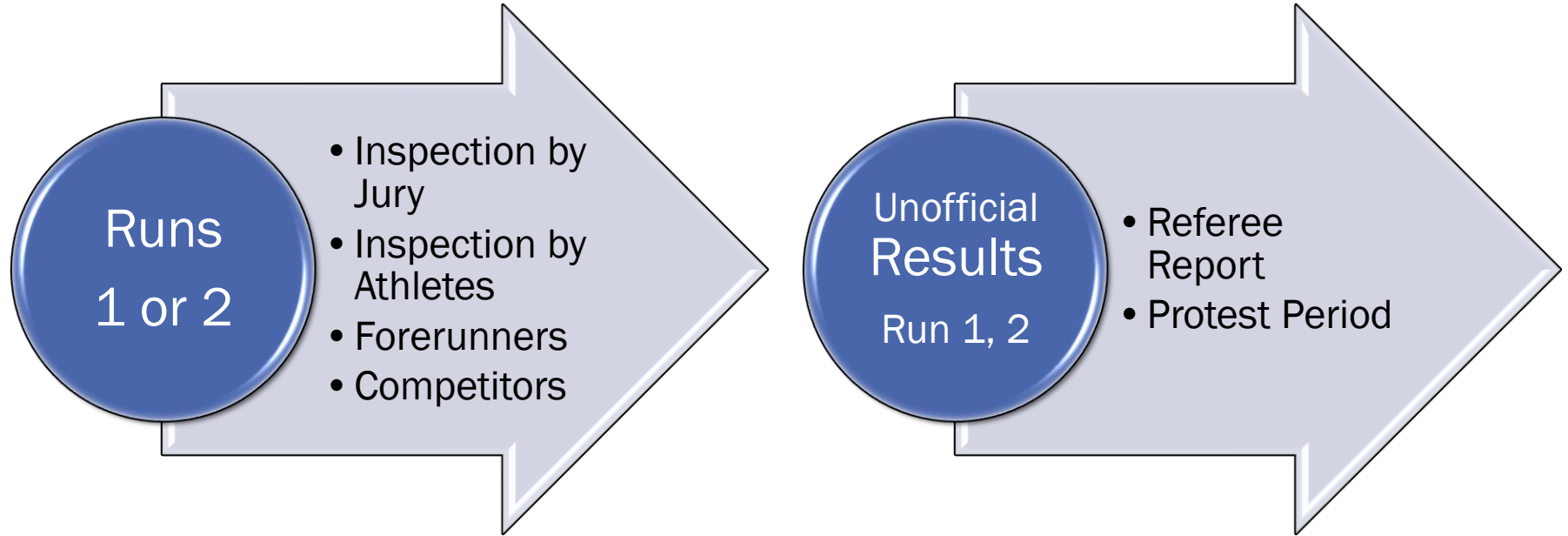


3. Training Runs for Downhill (DH) & Ski Cross (SX)



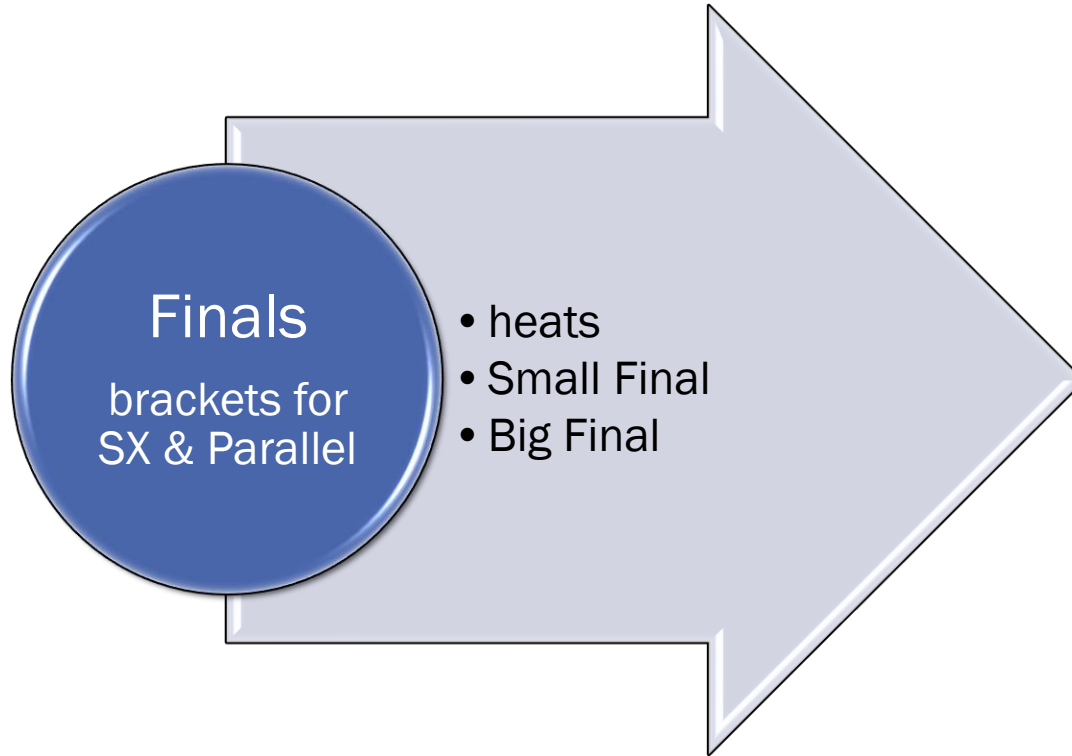


4. Race Runs



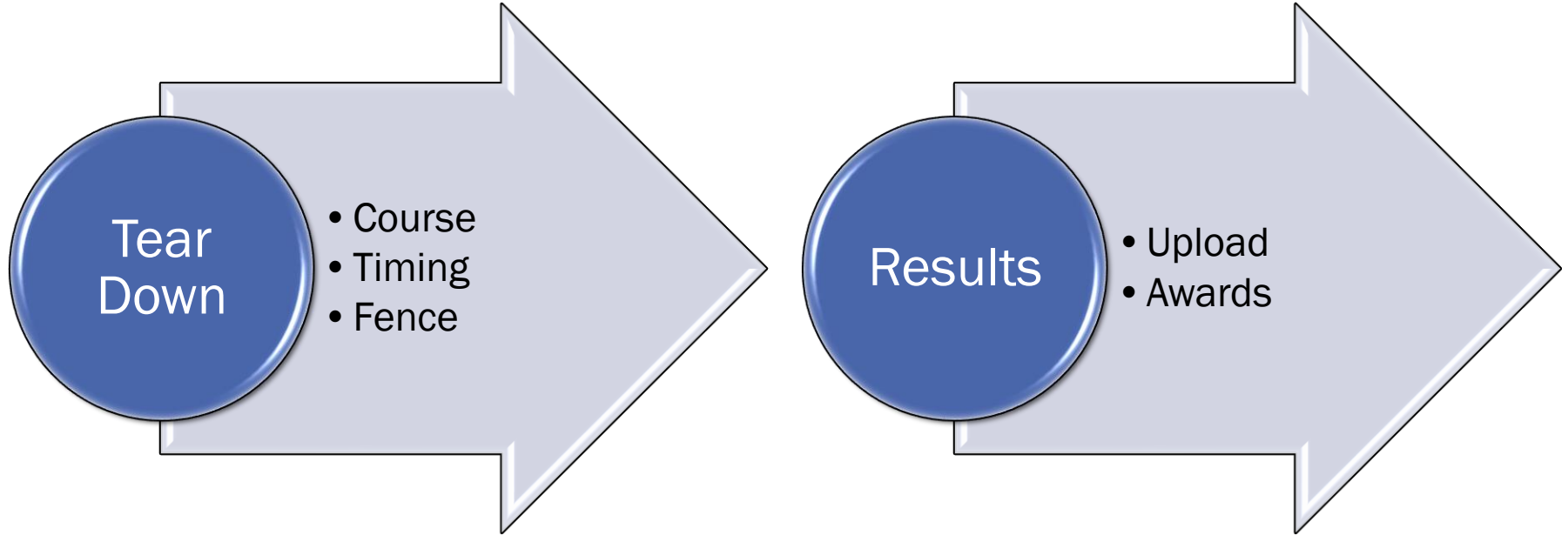


5. Final Runs for SX & Parallel





6. Tear Down & Results





Overview





GOVERNANCE





Principles

SECURE

FAIR



Governing Bodies

International




FIS Fédération
internationale
de Ski
(*Alpine & Cross*)


WPAS World Para
Alpine Skiing



National

ACA Alpine
 Canada Alpin

CPC Canadian
 Paralympic
Committee

CSA Canadian
 Snowsports
Association

Provinces/Territories

PTSO Provincial/
Territorial
Sports
Organization





Rules

International



ICR International
Competition
Rules



WPAS Rules and
Regulations

National

NCR National
Competition
Rules



Provinces/Territories

Provincial/
Territorial
Rules &
Guidelines



Competition Levels

International



World Cup
Continental Cup
FIS/WPAS Point races



World Championships
Winter Olympics
Paralympic Games

National

ACA National Point races



National Championships

Provinces/Territories

U14 U16 U18 U21 regional
races

Provincial Championships



Officials

International



FIS Technical
Delegate (TD)

ACA Officials



*FIS TDs officiate at
WPAS events*

National

ACA TD



ACA Officials

Provinces/Territories

ACA TD

ACA Officials

Course Facilitators
TD Examiners



Para Alpine Classification

Visual Impairment (VI)

ski with a guide in front, who gives verbal direction



Standing

adaptive equipment: prosthesis, orthosis, outriggers*



Sitting

adaptive equipment: sit ski, outriggers*

**considered poles*





Governance





THE RACE

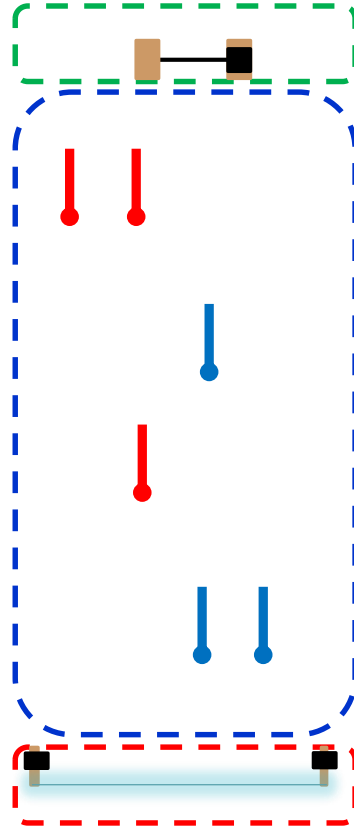




Areas of the Race


ADMINISTRATION


TIMING



START AREA

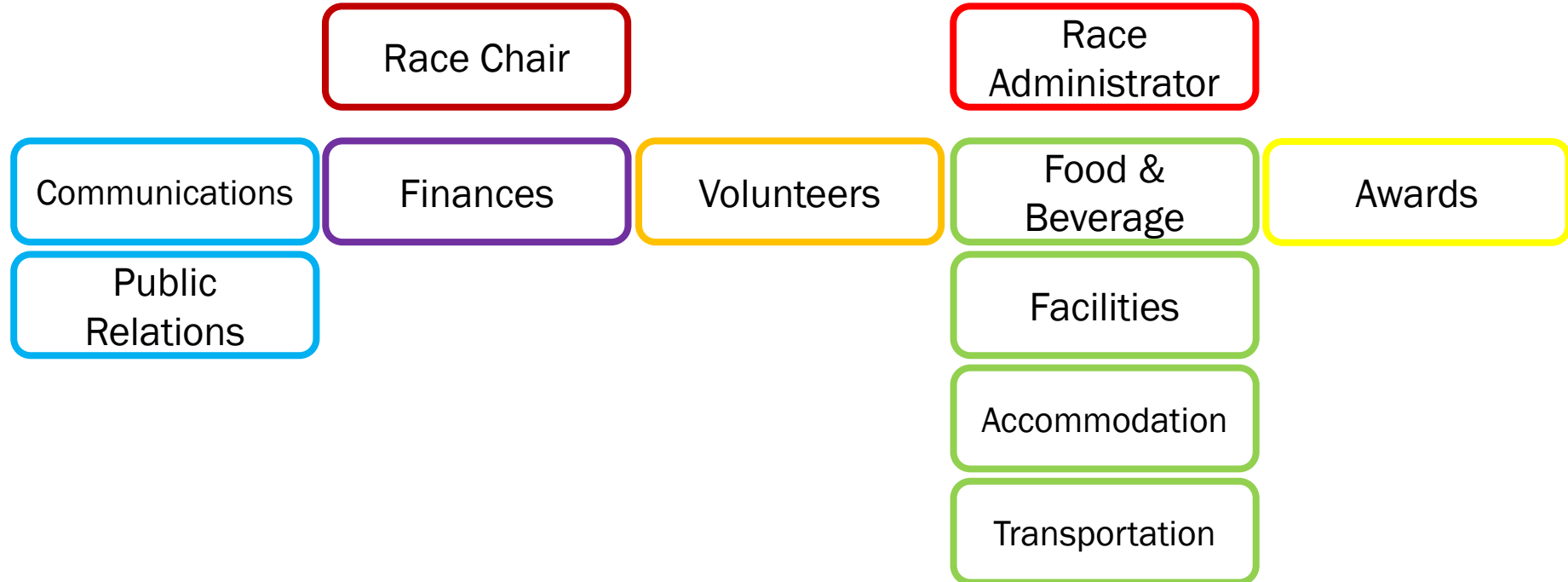
COURSE

FINISH AREA



Administration - ROC

RACE ORGANIZING COMMITTEE (ROC)





before TCM

Race Notice Entry

after TCM

Program	Start List
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after Race
Results

[illegible][illegible][illegible]

Results



UNIVERSITY OF CAMBRIDGE
SCHOOL OF CLIMATE STUDIES
CLIMATE SYSTEMS ANALYSIS
Cambridge, Massachusetts 02138
Tel: +1 617 495 7100
Fax: +1 617 495 7101
Email: climsys@cam.ac.uk

1979-1980
Earth Year

Country	City	Year
Belgium	Brussels	1979
France	Paris	1979
West Germany	Frankfurt	1979

1981-1982
Earth Year

Country	City	Year
Belgium	Brussels	1981
France	Paris	1981
West Germany	Frankfurt	1981

1983-1984
Earth Year

Country	City	Year
Belgium	Brussels	1983
France	Paris	1983
West Germany	Frankfurt	1983

1985-1986
Earth Year

Country	City	Year
Belgium	Brussels	1985
France	Paris	1985
West Germany	Frankfurt	1985

1987-1988
Earth Year

Country	City	Year
Belgium	Brussels	1987
France	Paris	1987
West Germany	Frankfurt	1987

1989-1990
Earth Year

Country	City	Year
Belgium	Brussels	1989
France	Paris	1989
West Germany	Frankfurt	1989

1991-1992
Earth Year

Country	City	Year
Belgium	Brussels	1991
France	Paris	1991
West Germany	Frankfurt	1991

1993-1994
Earth Year

Country	City	Year
Belgium	Brussels	1993
France	Paris	1993
West Germany	Frankfurt	1993

1995-1996
Earth Year

Country	City	Year
Belgium	Brussels	1995
France	Paris	1995
West Germany	Frankfurt	1995

1997-1998
Earth Year

Country	City	Year
Belgium	Brussels	1997
France	Paris	1997
West Germany	Frankfurt	1997

1999-2000
Earth Year

Country	City	Year
Belgium	Brussels	1999
France	Paris	1999
West Germany	Frankfurt	1999

2001-2002
Earth Year

Country	City	Year
Belgium	Brussels	2001
France	Paris	2001
West Germany	Frankfurt	2001

2003-2004
Earth Year

Country	City	Year
Belgium	Brussels	2003
France	Paris	2003
West Germany	Frankfurt	2003

2005-2006
Earth Year

Country	City	Year
Belgium	Brussels	2005
France	Paris	2005
West Germany	Frankfurt	2005

2007-2008
Earth Year

Country	City	Year
Belgium	Brussels	2007
France	Paris	2007
West Germany	Frankfurt	2007

2009-2010
Earth Year

Country	City	Year
Belgium	Brussels	2009
France	Paris	2009
West Germany	Frankfurt	2009

2011-2012
Earth Year

Country	City	Year
Belgium	Brussels	2011
France	Paris	2011
West Germany	Frankfurt	2011

2013-2014
Earth Year

Country	City	Year
Belgium	Brussels	2013
France	Paris	2013
West Germany	Frankfurt	2013

2015-2016
Earth Year

Country	City	Year
Belgium	Brussels	2015
France	Paris	2015
West Germany	Frankfurt	2015

2017-2018
Earth Year

Country	City	Year
Belgium	Brussels	2017
France	Paris	2017
West Germany	Frankfurt	2017

2019-2020
Earth Year

Country	City	Year
Belgium	Brussels	2019
France	Paris	201

*Para Alpine result: time & classification factor



Timing

❖ Timing arithmetic

finish time-of-day	9:31:05.23245
<u>– start time-of-day</u>	<u>9:30:21.98344</u>
competitor's elapsed time	43.25 seconds

❖ three timing systems to record time stamps

- ❖ all systems synchronised to the same time of day

- ❖ if primary system misses a time, a backup system is used to calculate a replacement time

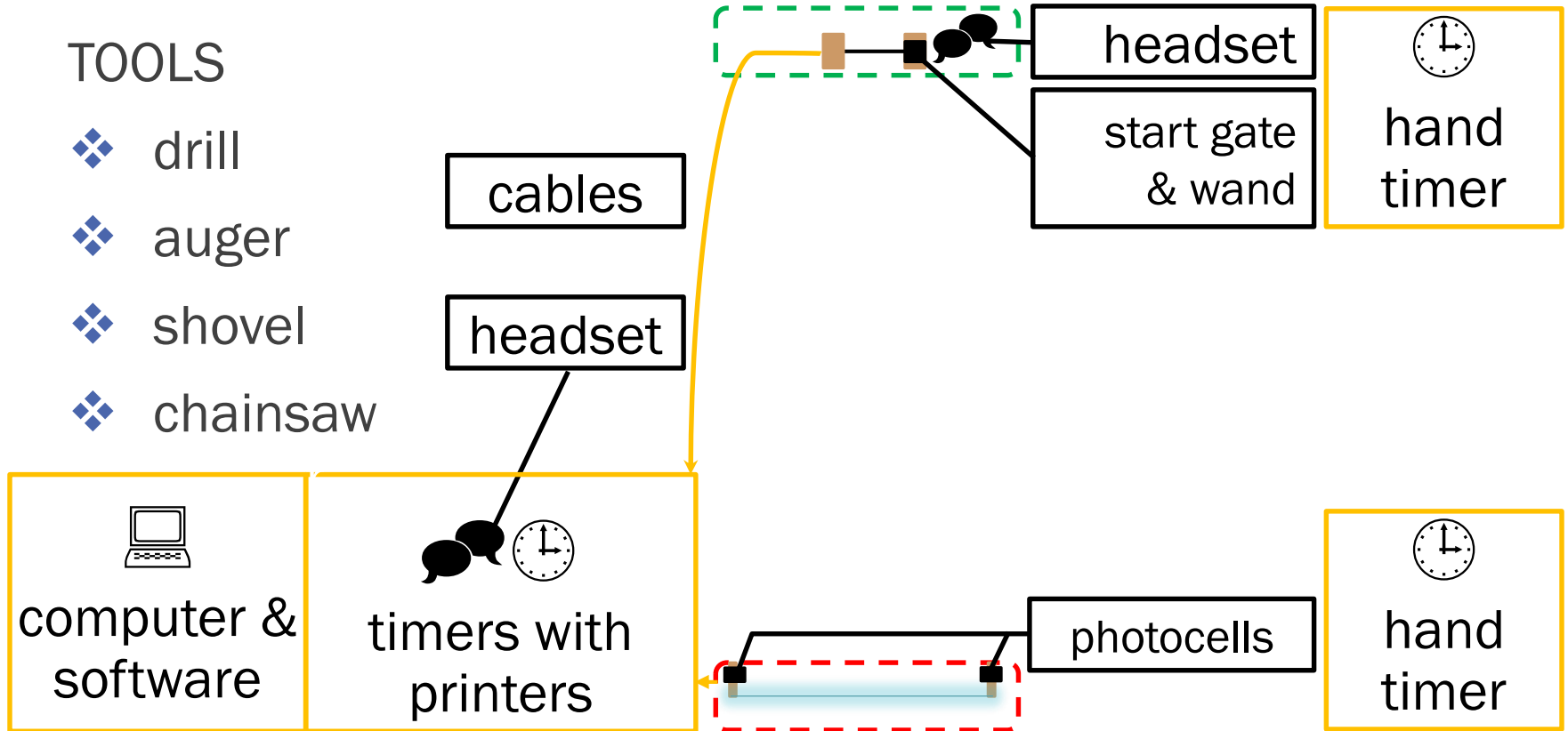
❖ times displayed/announced during race are unofficial



Timing Tools & Equipment

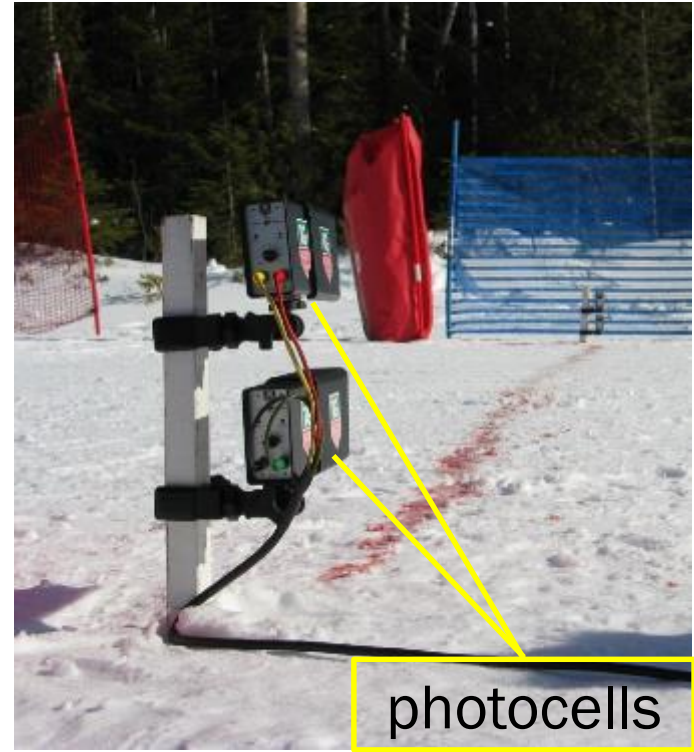
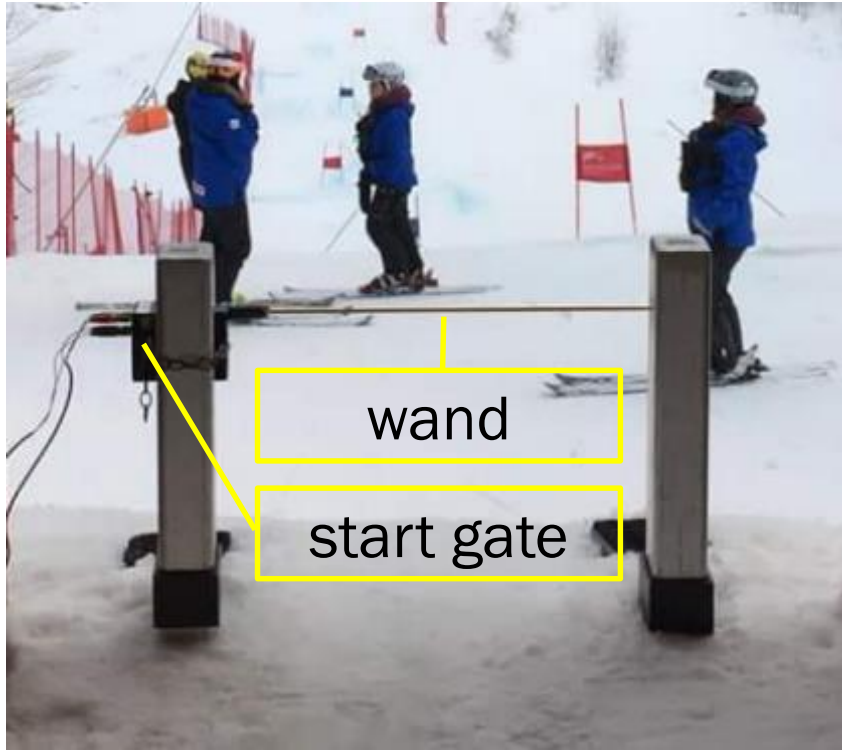
TOOLS

- ❖ drill
- ❖ auger
- ❖ shovel
- ❖ chainsaw





Timing Start & Finish

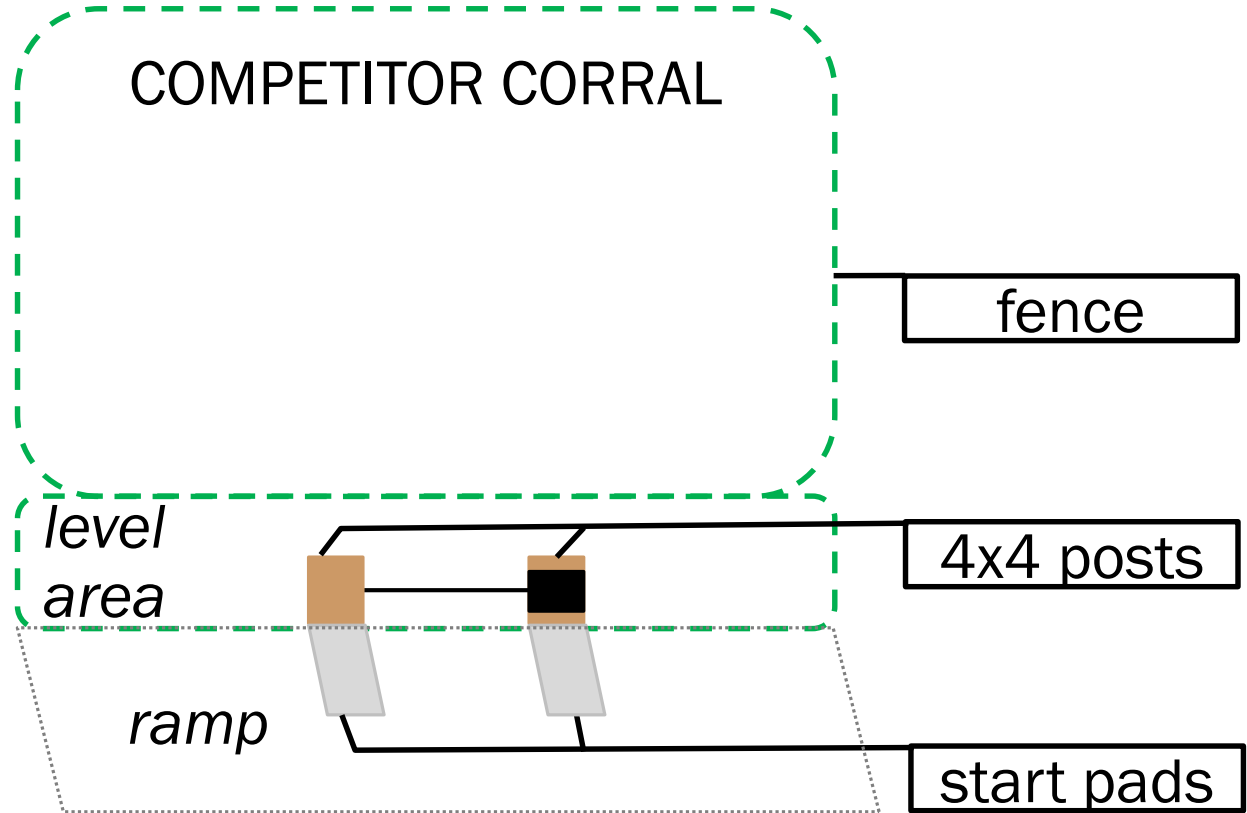




Start Area Tools & Equipment

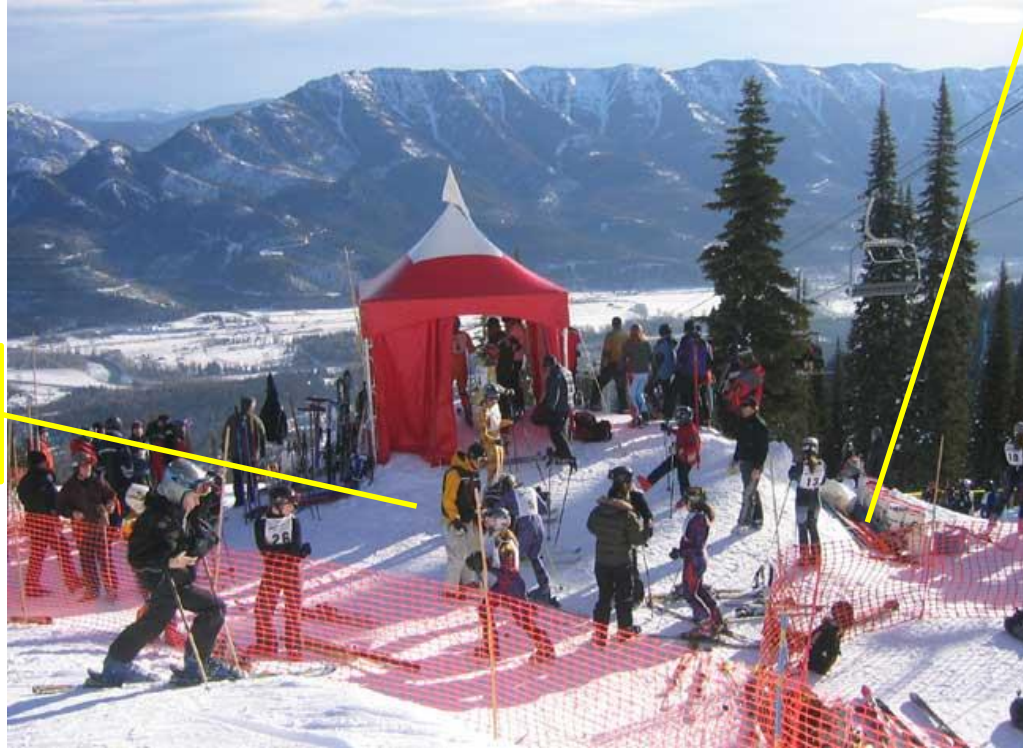
TOOLS

- ❖ drill
- ❖ auger
- ❖ shovel
- ❖ rake





Start Area



COMPETITOR
CORRAL

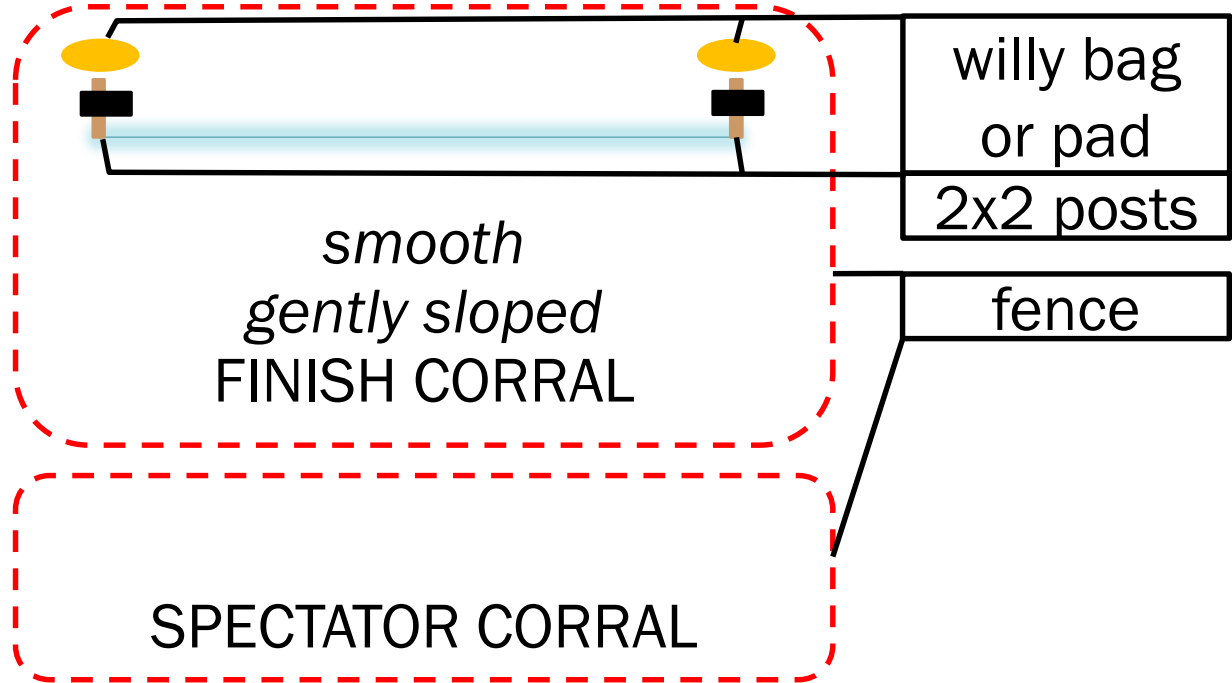
fence



Finish Area Tools & Equipment

TOOLS

- ❖ drill
- ❖ dye pack



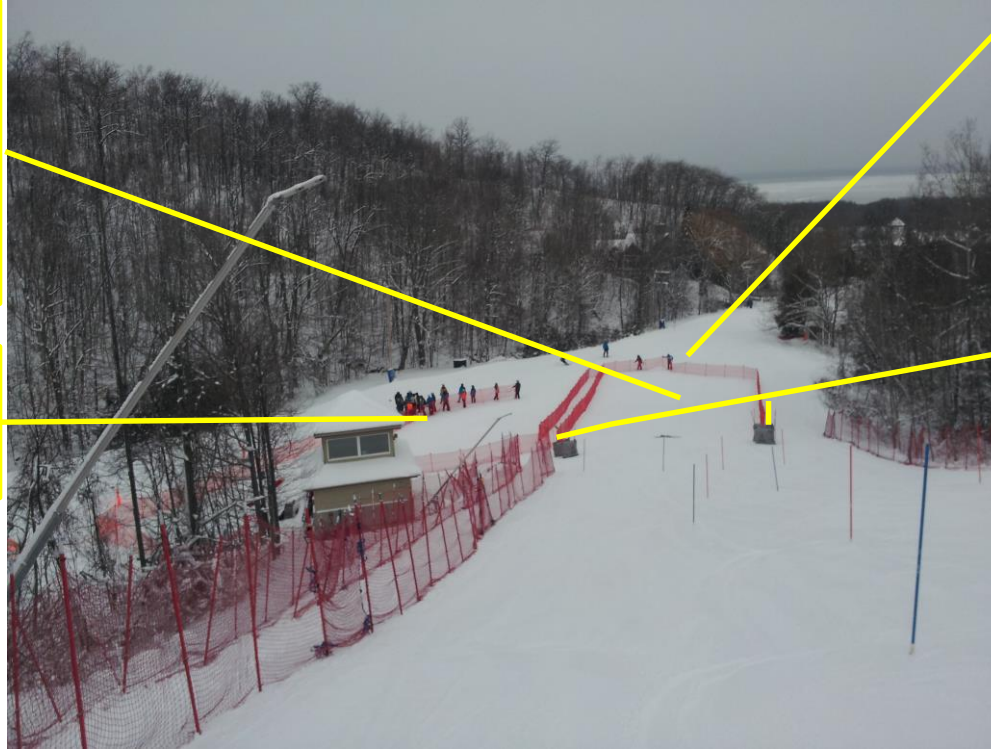
- ❖ Parallel events: visually divide the finish area, to keep competitors separate after finish line, e.g. brushes



Finish Area Picture

smooth
gently sloped
FINISH
CORRAL

SPECTATOR
CORRAL



fence

willy bags
in front of
2x2 posts



Administration, Timing, Start & Finish Area





COURSE





Technical Events

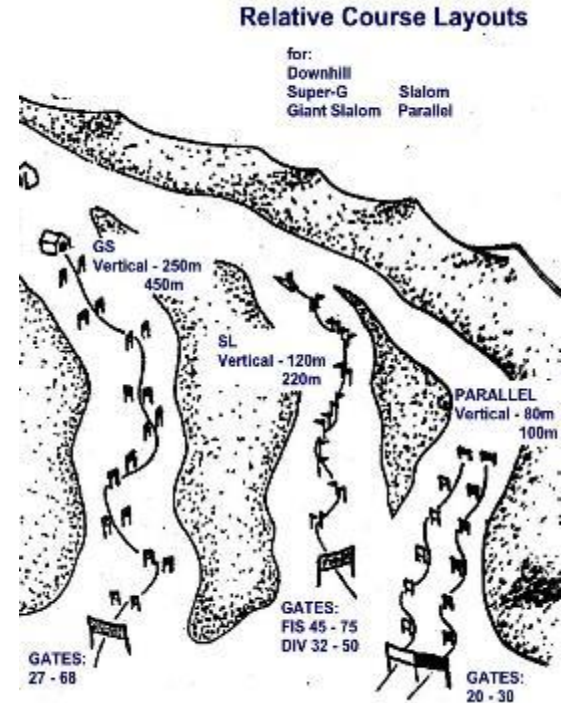
GS Giant Slalom

SL Slalom

Panelled SL

Parallel

- ❖ less vertical drop
- ❖ more direction changes
- ❖ gates set closer together





Single Pole SL (1)

FIRST
GATE



1



2



3



4

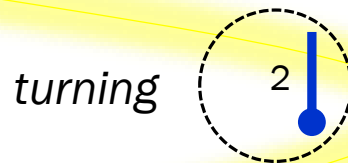
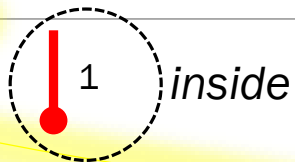
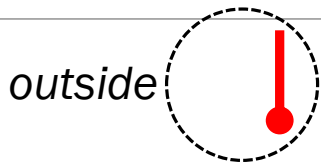


LAST
GATE

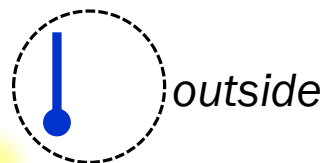
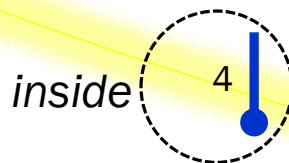


Single Pole SL (2)

FIRST
GATE
double



LAST
GATE
double



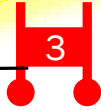


Single Gate GS / Panelled SL (1)

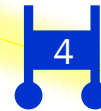
FIRST
GATE



PANEL - lower edge of the panel is
approximately 1m above the snow



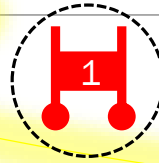
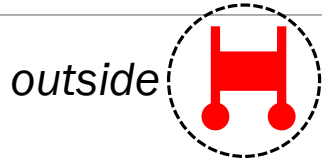
LAST
GATE





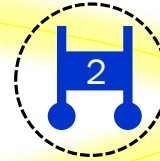
Single Gate GS / Panelled SL (2)

FIRST
GATE
double



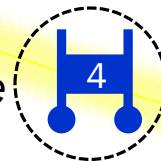
inside

turning



LAST
GATE
double

inside



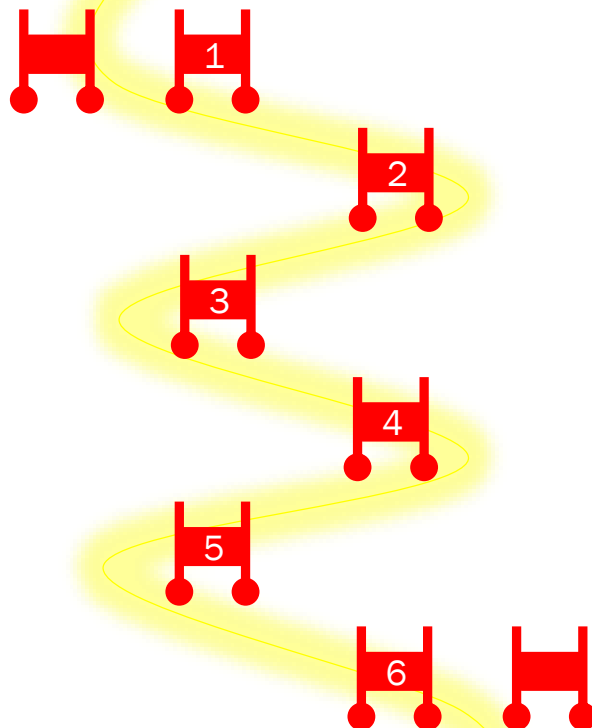
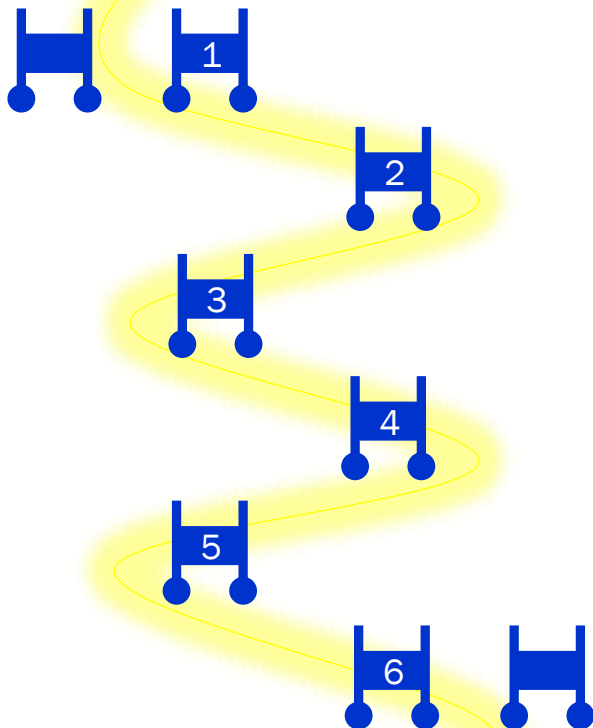
outside





Parallel

FIRST
GATE
double



LAST
GATE
double

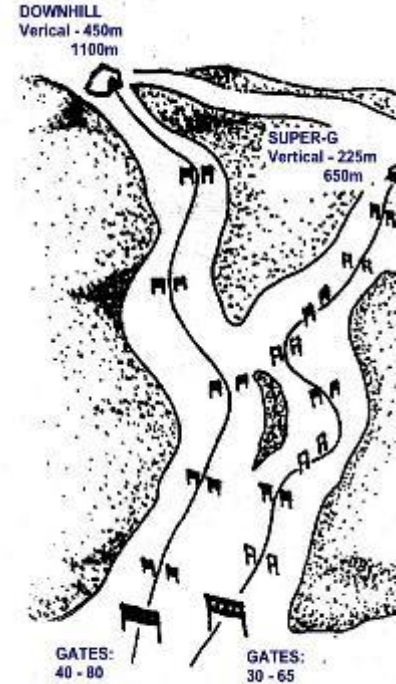


Speed Events

SG Super G

DH Downhill

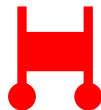
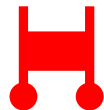
- ❖ greater vertical drop
- ❖ fewer direction changes
- ❖ gates set further apart



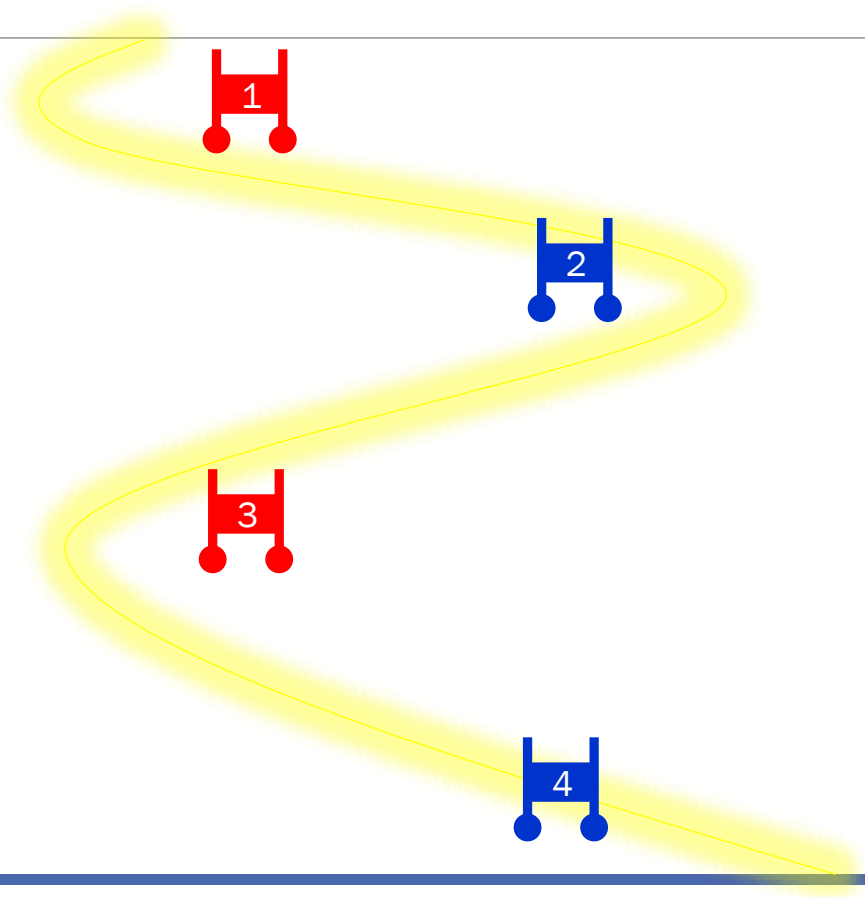


SG (1)

FIRST
GATE



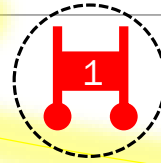
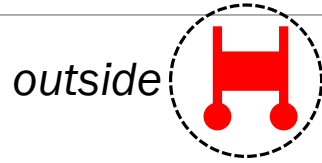
LAST
GATE





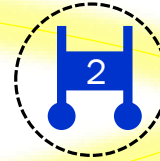
SG (2)

FIRST
GATE



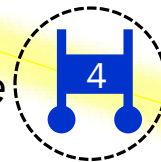
inside

turning



LAST
GATE

inside

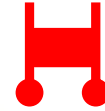


outside

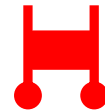


DH (1)

FIRST
GATE



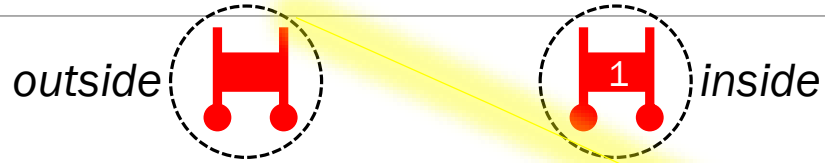
LAST
GATE



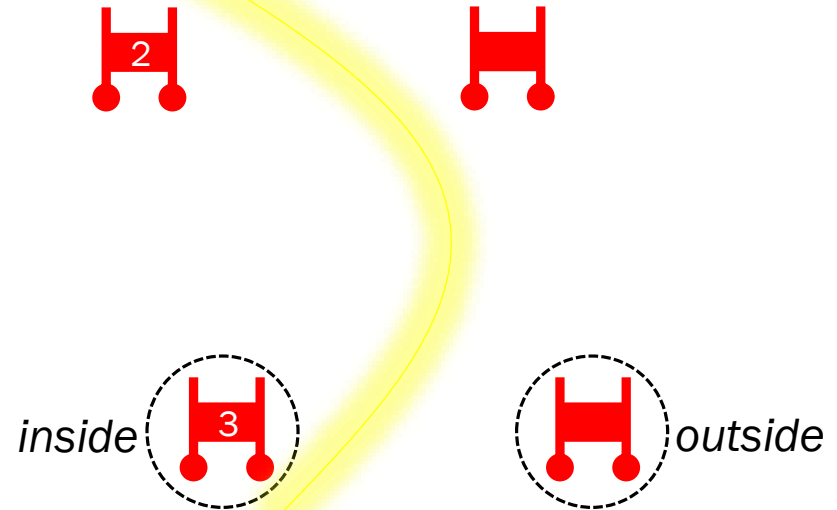


DH (2)

FIRST
GATE



LAST
GATE





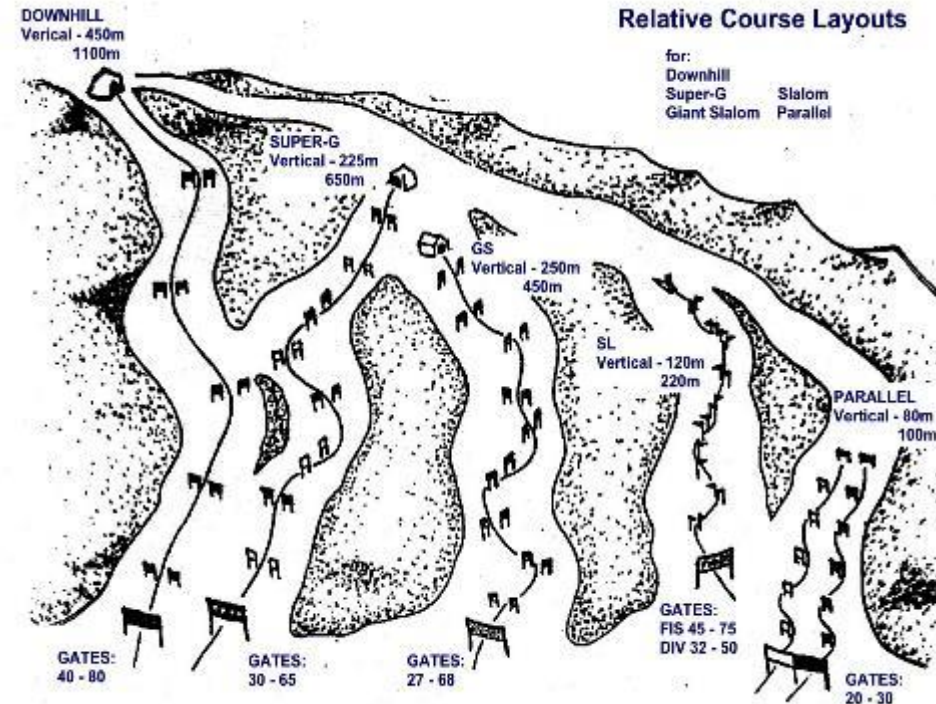
Combined Events

AC Alpine Combined

1. DH run, SL run (classic)
2. SG run, SL run

KK Kinder Kombi

1. SL/GS course (technical)
2. GS/SG course (speed)

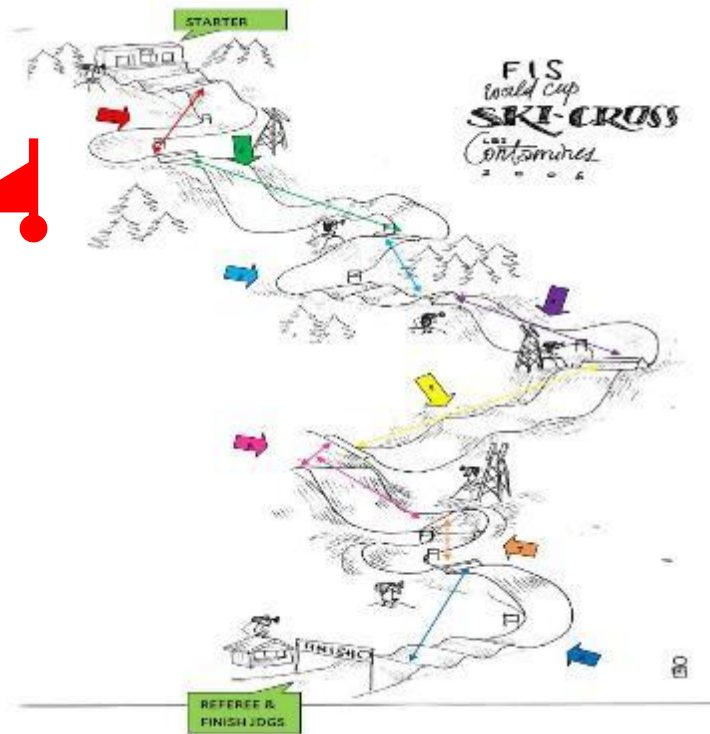
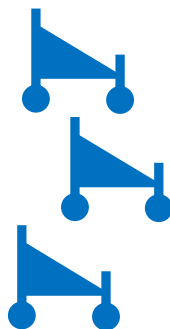




SX Event

Built with features:

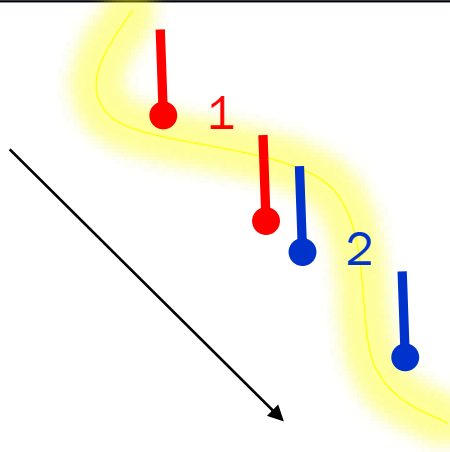
- ❖ roller
- ❖ bank
- ❖ jump
- ❖ step up
- ❖ step down





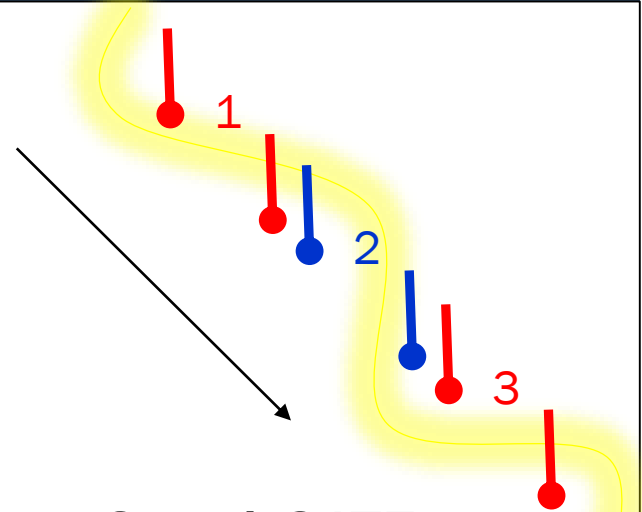
Vertical Combinations

HAIRPIN



2 GATE
VERTICAL COMBINATION

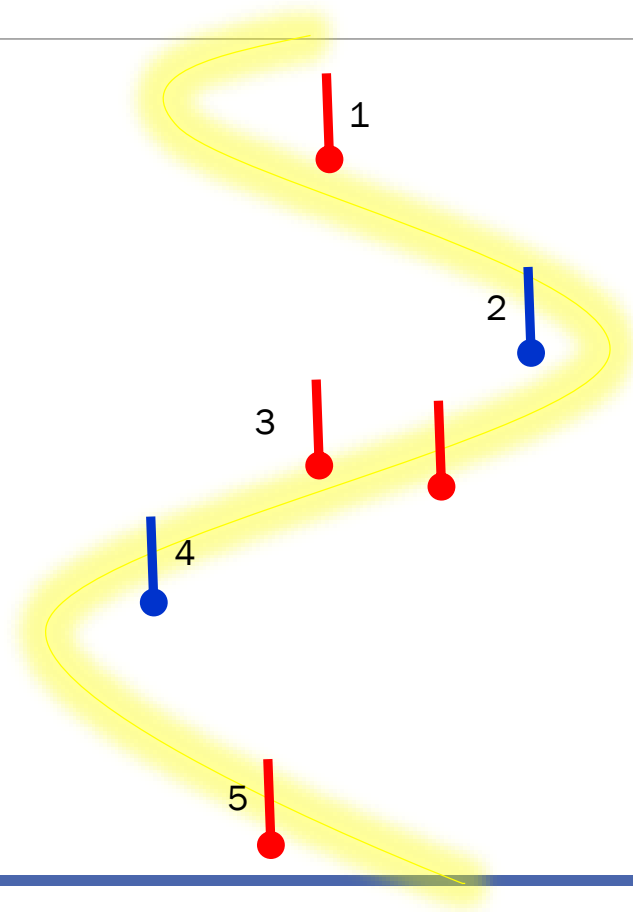
FLUSH



3 or 4 GATE
VERTICAL COMBINATION

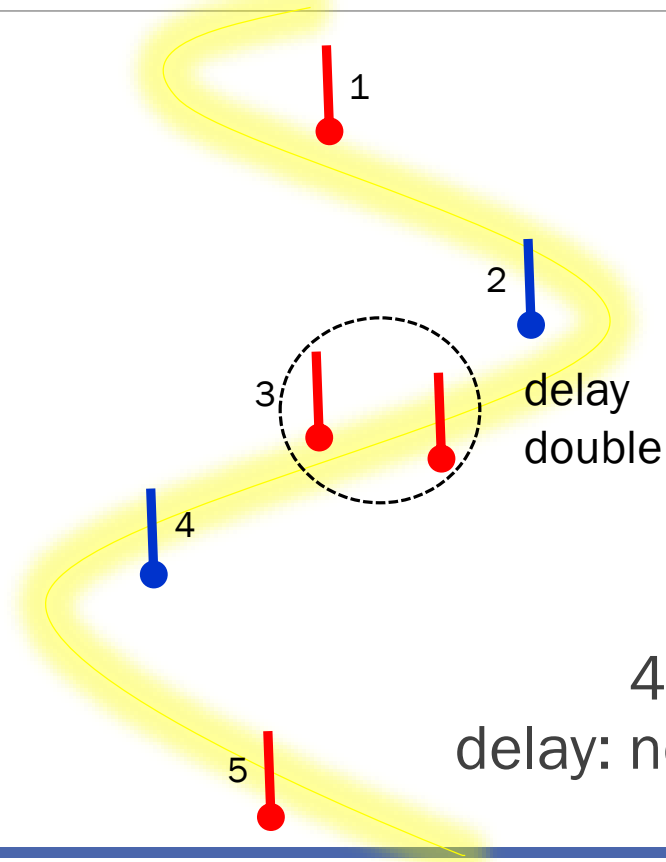


Delay (1)





Delay (2)



5 gates
4 direction changes
delay: no direction change



Course Tools & Equipment

Course Tools & Equipment	
drill	gates, fence
dye sprayer	marking
rake, shovel, blower, groomer	move snow
radios	communication
flexible/rigid pole, stubby, panel, brush	gates, marking
A system, B net, C fence	fence
willy bag, air bag, pad	cushion
yellow flag	signal



Course





CORRECT PASSAGE





Correct Passage Video

 [US Ski & Snowboard video \(13:31\)](#)



Correct Passage

1. Both ski tips and feet
 1. Single Pole SL/GS
 2. SX
2. Missing gate
3. Must stop after a fault
4. Must not continue after a stop – SL exception
5. Loss of one ski
6. Finish Line



1. Both Ski Tips and Feet

ICR 661.4.1 A gate has been passed correctly when both the competitor's ski tips and both feet have crossed the gate line.

If a competitor loses a ski, without committing a fault, e.g. not by straddling a pole, then the tip of the remaining ski and both feet must have crossed the gate line.

This rule also applies when a competitor has to climb back up to a gate.



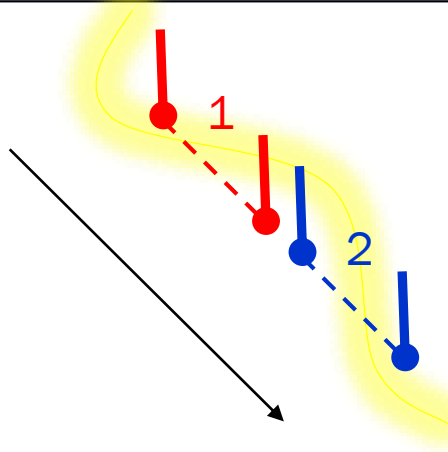
The diagram illustrates the concept of a 'ghost' in a multi-agent system. It shows two red agents (1 and 3) and two blue agents (2 and 4). A yellow shaded region represents the 'ghost' of agent 1, which is perceived by agent 2. Dashed lines indicate the movement paths of the agents.

LAST
GATE



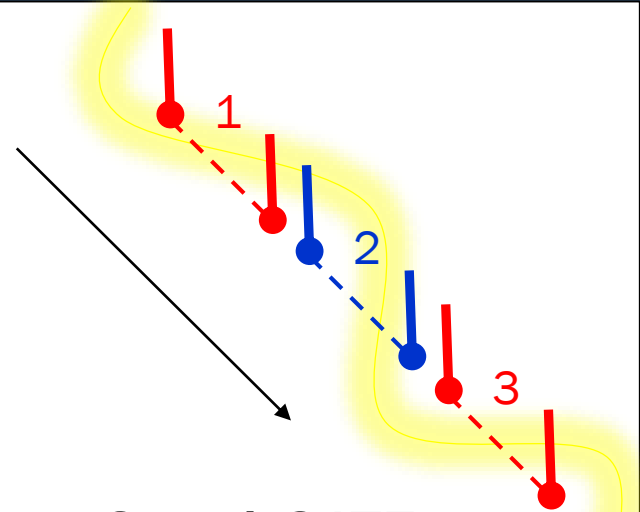
Vertical Combination Imaginary Gate Line

HAIRPIN



2 GATE
VERTICAL COMBINATION

FLUSH



3 or 4 GATE
VERTICAL COMBINATION



1.1 Single Pole SL/GS

ICR 804.3/904.3 Where there is no outside pole/gate, both feet and ski tips must have passed the turning pole on the same side, following the normal race line of the slalom/giant slalom crossing the imaginary line from turning pole to turning pole.

If a competitor loses a ski, without committing a fault, e.g. not by straddling a pole, then the tip of the remaining ski and both feet must meet both requirements.

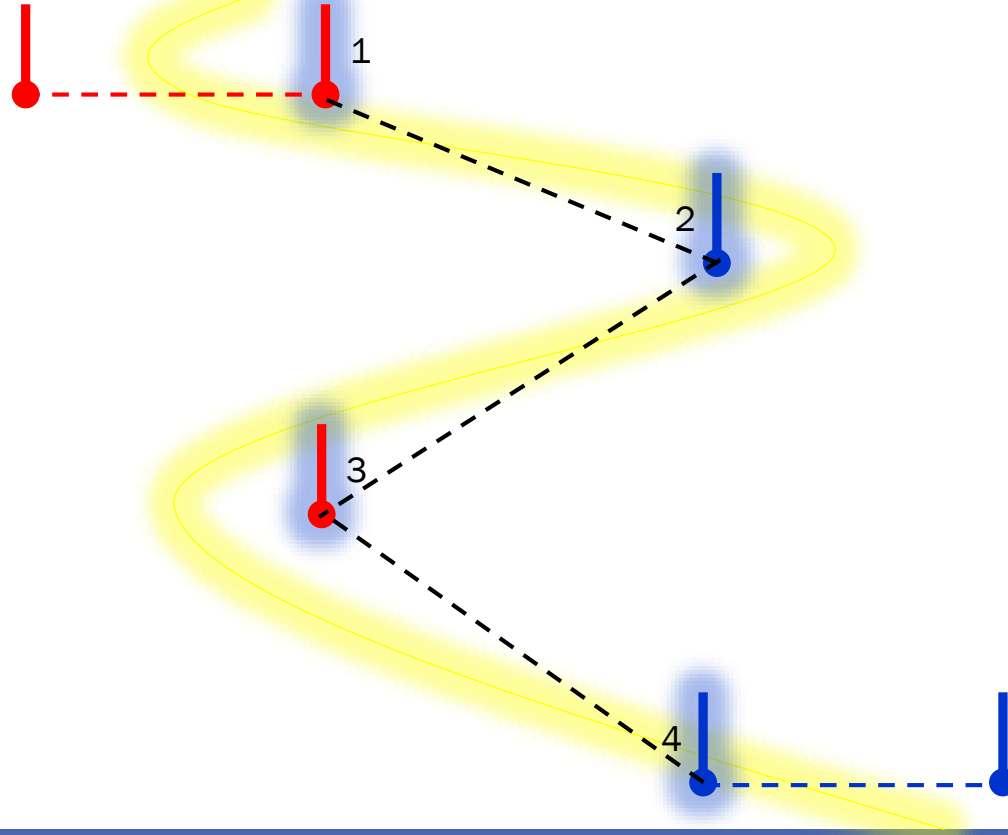
If the competitor has not correctly crossed the imaginary line from turning pole to turning pole and does not follow the normal race line, then he has to climb back up and pass around the missed turning pole.

Where there is an outside pole/gate (first and last gate, delayed gate, and combinations (hairpin, vertical) art. 661.4.1. is valid.



Single Pole SL Imaginary Gate Line

FIRST
GATE

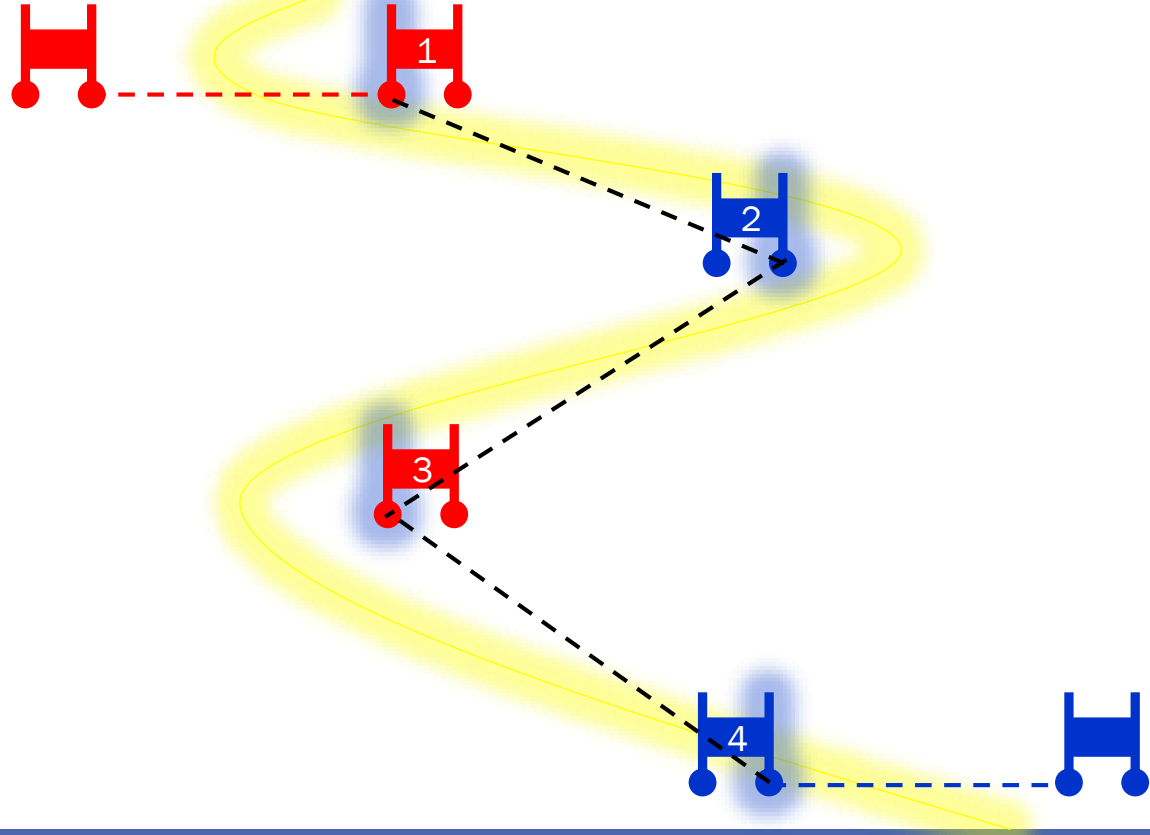


LAST
GATE



Single Gate GS/Panelled SL Imaginary Gate Line

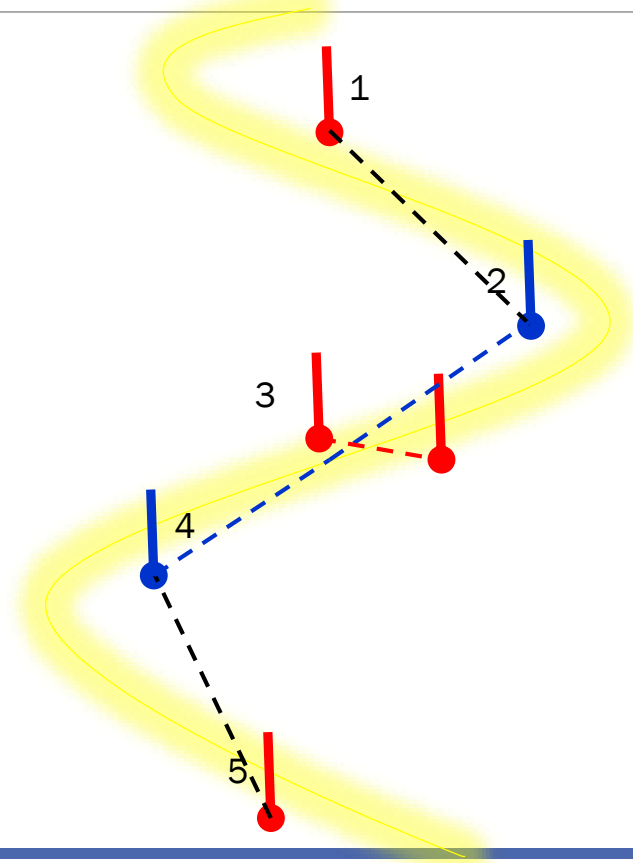
FIRST
GATE



LAST
GATE



Delay Imaginary Gate Line





1.2 SX

ICR 5401 Gate Passage *A gate has been passed correctly when both ski tips and both feet of the competitor have crossed the gate line. Wherever two gates are set, the gate line is the imaginary shortest line between the two turning poles. Wherever a turning gate only is set, the gate line is the extension into the course of the line formed by the outside pole of the gate and the turning pole.*

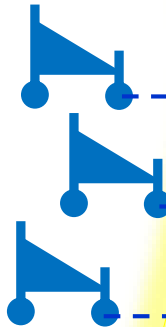


SX Imaginary Gate Lines

corridor
roller
take off



turn





2. Missing Gate

ICR 661.4.1.3 *If a competitor removes a pole from its vertical position before both the competitor's ski tips and both feet have passed the gate line, the ski tips and feet must still pass the original gate line (marks in the snow).*

This is also valid in the case of a missing turning pole (or gate).



3. Must Stop after a Fault

ICR 614.2.2 Interdiction to Continue after a Gate Fault If a competitor misses a gate, he must no longer continue through further gates.



4. Must Not Continue after a Stop

ICR 614.2.3 Interdiction to Continue after a competitor stops If a competitor comes to a complete stop (e.g. after a fall), he must no longer continue through previous or further gates. This interdiction is valid in all events with a fixed start interval (Downhill, Super-G, Giant Slalom, Parallel). Only exception is for Slalom, as long as the competitor: does not interfere with the run of the next competitor or, has not been passed by the next competitor.

WPAS 409.2.5.2 Exception for guides, who can stop to remain in compliance to competitor-guide distance requirements.

1303.2 The distance between guide and competitor must be less than three (3) gates for SL and two (2) gates for GS, SG and DH, excluding delay gates and vertical combinations. Failure to comply will lead to disqualification.



5. Loss of One Ski

ICR 614.2.4 Loss of one ski *If a competitor loses a ski without having committed a gate fault or without coming to a complete stop, he may continue, as long as he does not interfere with the run of the next competitor or, has not been passed by the next competitor.*



6. Finish Line

ICR 615.3 *Crossing of the Finish Line and Recording of the Times*

The finish line must be crossed:

- *on both skis or*
- *on one ski or*
- *with both feet in case of a fall between the last gate and the finish line. In this case the time is taken when any part of the competitor's body stops the timekeeping system.*

WPAS 1303.1 *All guides must guide VI competitors from the front. An exception can occur only between the last gate and the finish line, where the competitor can overtake the guide.*



Interference & Re-runs

1. Stop, report to Gate Judge
2. Blocking by person or object; missing gate
3. Validity of re-run; approved vs provisional
4. Outside help
5. SX Intentional Contact



1. Stop, Report To Gate Judge

ICR 623.1.1 *A competitor who is obstructed while racing must stop immediately after the incident takes place and report this to the nearest gate judge. He may apply to any member of the Jury for a re-run. This claim can also be made by the team captain of the obstructed competitor. The competitor should make his way to the Finish along the side of the course.*



2. Blocking by Person or Object; Missing Gate

ICR 623.2.1 Blocking of the course by an official, a spectator, an animal or other obstruction.

623.2.2 Blocking of the course by a fallen competitor who does not clear the course quickly enough.

623.2.3 Objects in the course such as a lost ski pole or the ski of a previous competitor.

623.2.4 Activities of the first aid service which obstruct the competitor.

623.2.5 Absence of a gate that has not been promptly replaced.

623.2.6 Other similar incidents beyond the will and control of the competitor, which cause significant loss of speed or a lengthening of the racing line and consequently affect the competitor's time.



3. Validity of Re-run; approved vs provisional

ICR 623.3.1 If the Referee or another Jury member is unable to question the appropriate officials immediately or to judge the justification for the re-run he may grant a provisional re-run, to avoid delay for the competitor. This re-run will be valid only if it is subsequently confirmed by the Jury.

623.3.2 If the competitor was already disqualified before the incident entitling him to a re-run, the re-run is not valid.

623.3.3 The provisional or subsequently approved run remains valid even if it proves slower than the obstructed one.



4. Outside Help

ICR 661.3 *Should a competitor receive outside help, for instance after a fall, the Gate Judge must record this on his check card.*



5. SX Intentional Contact

ICR 5404.1 Intentional Actions *A competitor shall not force another competitor out of the course, nor intentionally cause them to slow down, lose balance, or crash. A competitor shall not cause any part of his body or skiing equipment to come into contact with another competitor's body or skiing equipment during a race with the intent of impeding that competitor's progress for the purpose of overtaking or causing them to be overtaken by another competitor.*

ICR 5404.1.2 Obstruction on Obvious Straight Lines *The leading competitor shall have the right to choose his line on the course and through the corners. When on a straight section of the course, a competitor shall not intentionally block another competitor from passing.*



Correct Passage





ROLES





Management Roles

JURY

Chief of Race

TD

Referee

Assistant
Referee Speed

JURY ADVISORS

Start
Referee

Finish
Referee

EYES OF THE JURY *

Section
Chiefs

other Jury
designates

OTHER KEY ROLES

Race Chair

RA

Chief of
Volunteers

Chief of
Timing

Chief of
Course

Chief Gate
Judge

*may be used at Speed events, or when sections are hidden



Administration Roles for Level 1

Assistant RAs

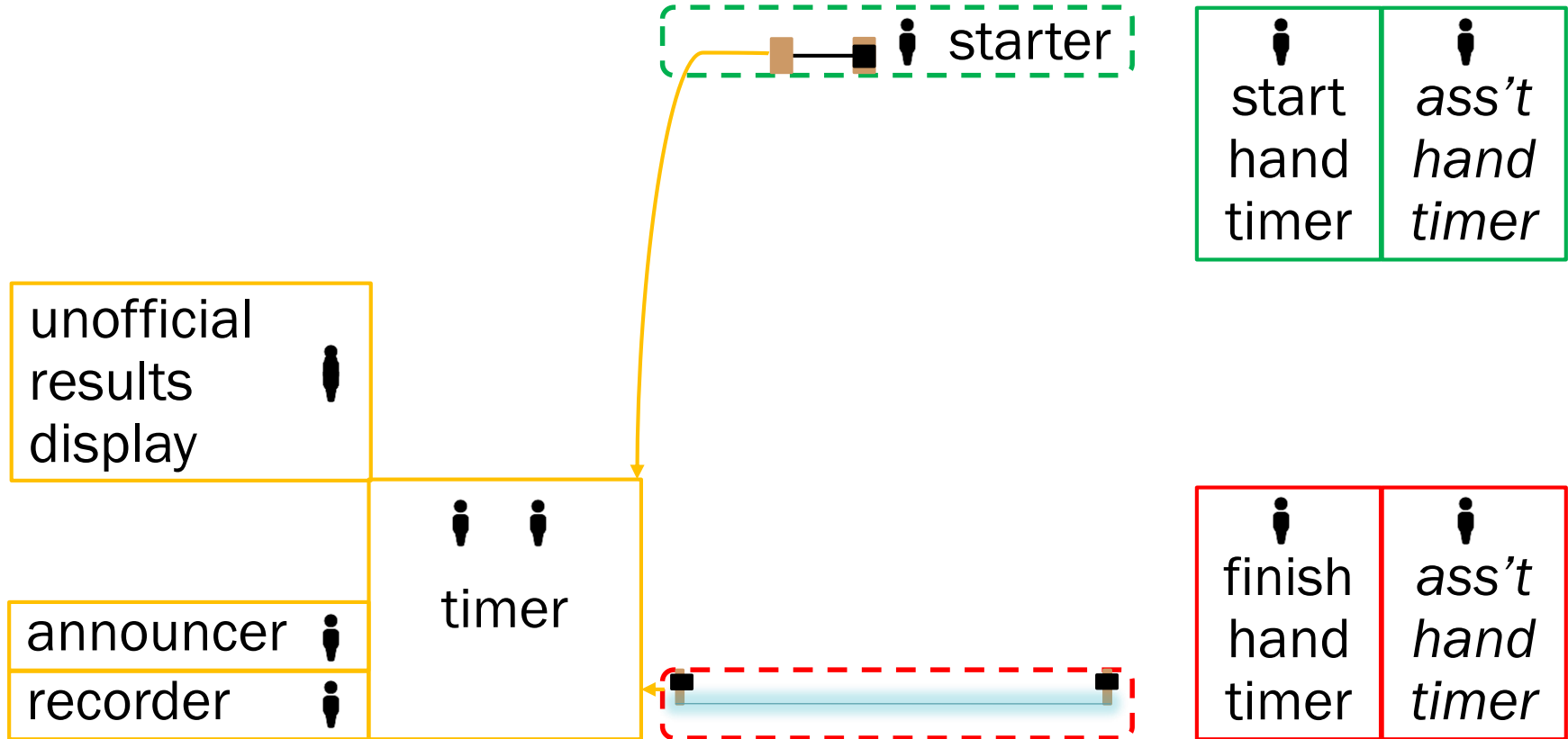
- ❖ registration
- ❖ accreditation
- ❖ collect fees
- ❖ issue lift tickets
- ❖ adds and pulls
- ❖ take minutes
- ❖ distribute documents

ROC Members

- ❖ finances
- ❖ communications
- ❖ public relations
- ❖ food & beverage
- ❖ accommodation
- ❖ transportation
- ❖ awards

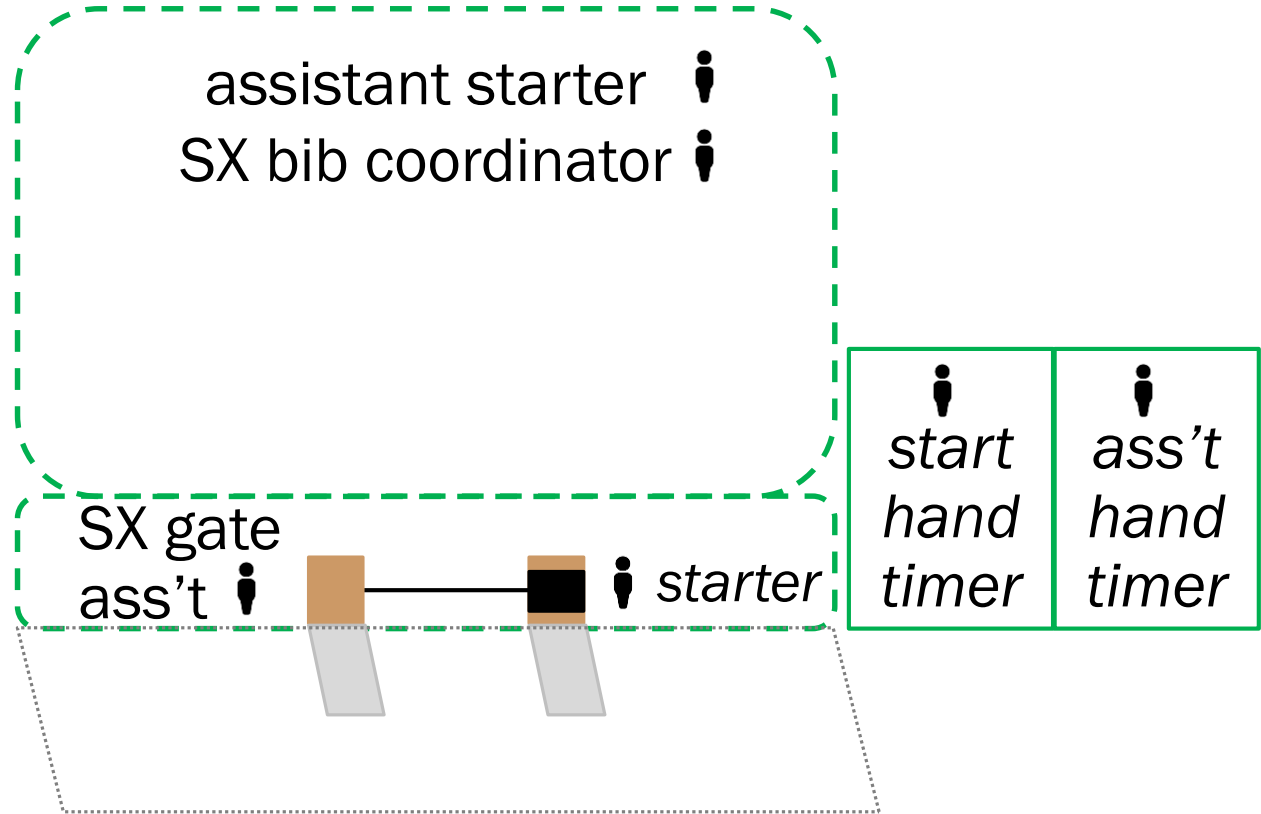


Timing Roles for Level 1





Start Area Roles for Level 1





Start Signals & Commands

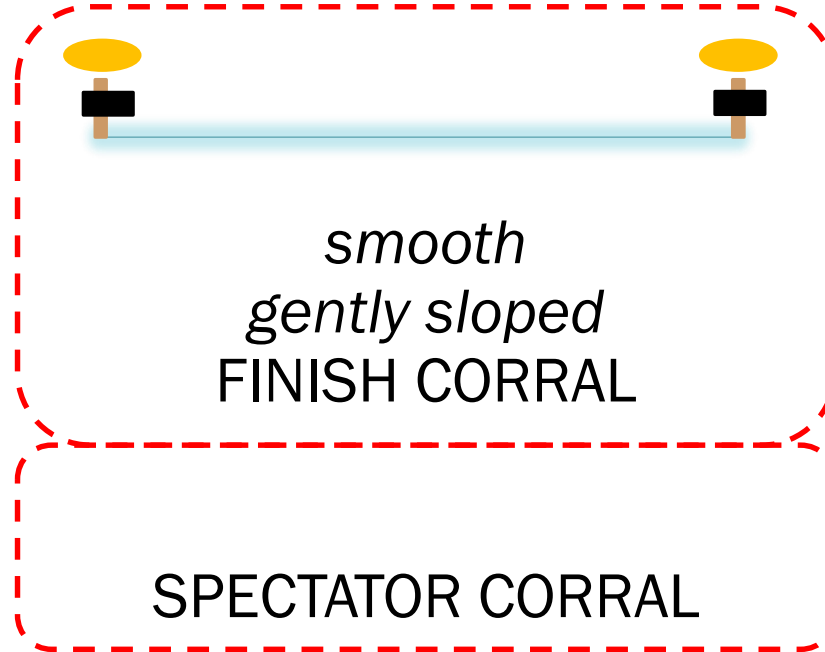
Event	Interval	Signals & Commands	Valid Start
SL	irregular	READY GO	10 seconds after GO
GS, SG, DH	fixed	10 SECONDS... 5 4 3 2 1 GO	5 seconds before to 5 seconds after GO
Parallel	irregular	RED COURSE READY BLUE COURSE READY ATTENTION	
SX heats	irregular	SKIERS READY ATTENTION	





Finish Area Roles for Level 1




SX Finish
Judges



*finish
hand
timer*

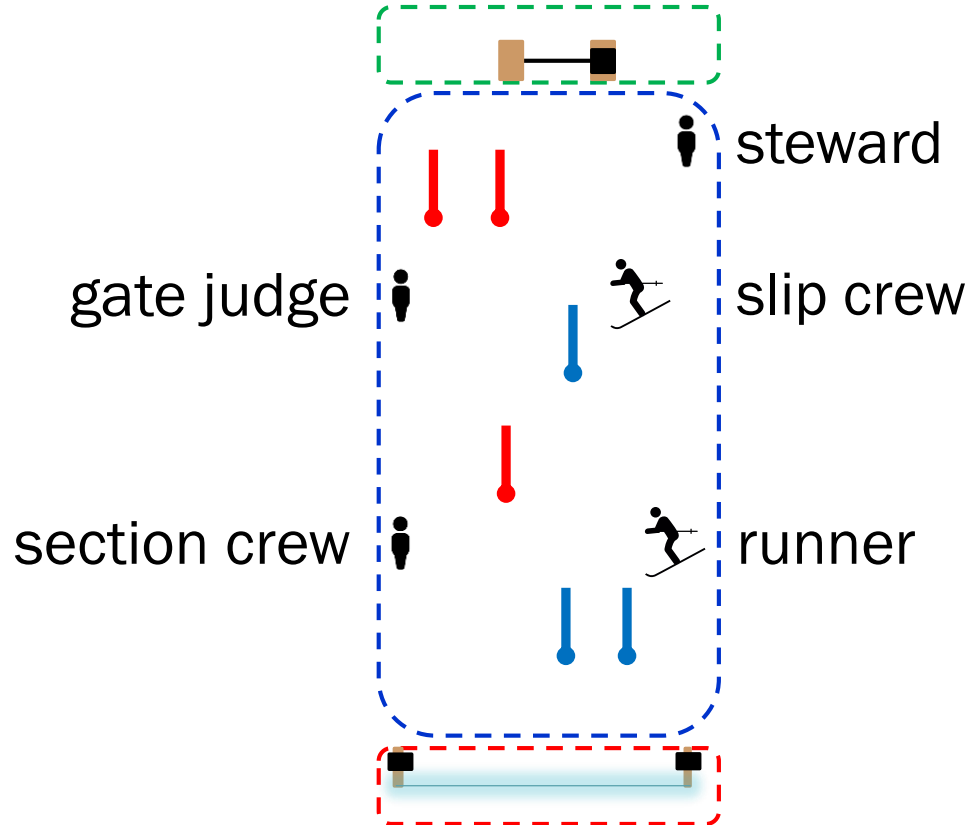
*ass't
hand
timer*



bibs



Course Roles for Level 1





Roles





GATE JUDGE INSTRUCTIONS





Support

***ICR 668.2** Organisers are obliged to outfit gate judges so that they are readily identifiable. Identification or clothing should be of a colour that will not be confused with a gate panel.*

***668.4** Any equipment necessary to permit the gate judge to perform his assigned duties should be provided.*



Location

ICR 668.1 *The gate judge must be so placed that he can safely but properly observe the terrain, gates and course sections for which he is responsible, He should be near enough to be able to take prompt action, but distant enough not to hinder the competitor.*

668.3 *The gate judge must be in his location well before the start of the run.*



Importance of the Task

ICR 662.1 *Each gate judge should have a thorough knowledge of the competition rules. The gate judge is required to follow instructions from the Jury.*

662.2 *The decision handed down by the gate judge must be clear and unbiased. The gate judge must declare a fault only when he is convinced that a fault has been committed.*



Consult

ICR 662.3 The gate judge can consult the adjacent gate judge in order to confirm his opinion. He can even demand via a member of the Jury that the race is briefly interrupted, so that he may check the tracks on the course.

662.4 When an adjacent gate judge, a member of the Jury or an official video controller makes a report concerning a competitor which differs from the notes of the gate judge in question, the Jury may freely interpret these notes in view of a possible disqualification of a competitor or of a decision concerning a protest.



Giving Information

ICR 663.1 *A competitor, in the case of an error or a fall, is permitted to ask the gate judge if a fault was committed and the gate judge, if asked, must inform a competitor if he has committed a fault that would lead to disqualification.*

663.2 *The competitor himself is fully responsible for his action and, he cannot hold the gate judge responsible.*



Completion of the Run

ICR 665.1 *The chief gate judge (or his assistant) is required to collect all the check cards immediately after each run and to pass them on to the Referee in the finish.*

666.1 *Each gate judge who has recorded a disqualifying fault or who has been witness to an incident leading to a re-run must be available to the Jury until after the settlement of any protests.*

666.2 *It is the responsibility of the Technical Delegate to dismiss a gate judge who is waiting to be called by the Jury.*



Supplemental Duties

ICR 667.1 The gate judge may be asked to perform other duties after he performs his required function, including the replacement of gate poles, torn or missing panels.

667.2 He should assist in keeping the course clear and remove any markings made on the course by competitors or third parties.



Gate Judge Card

❖ ONE CARD FOR EACH RUN

- ☐ 1. Before Race, fill in name and race information on all cards
- ☐ 2. Before Run, fill in section, gates, Run information
- ☐ 3. After Run, mark FAULTS ☒ YES or ☒ NO

Section <u>2</u>	FAULTS <input checked="" type="checkbox"/> YES
Gates <u>5 6 7 8</u>	<input type="checkbox"/> NO



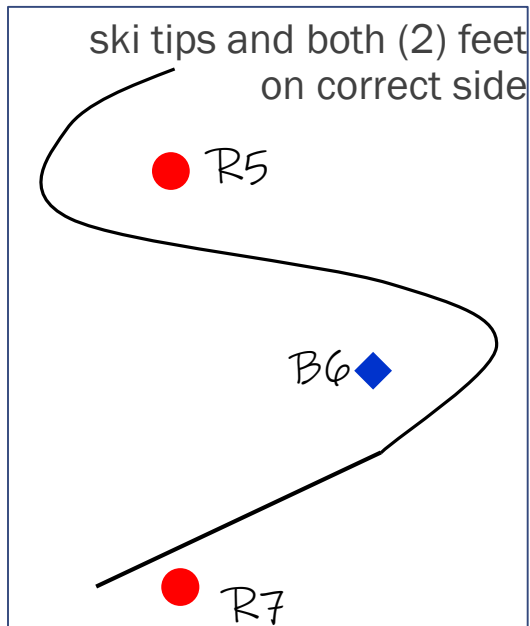
GATE JUDGE CARD

Cell <u>311-555-2368</u>
Name <u>Alex Lee</u>
Date <u>1 Dec 2019</u>
<input type="checkbox"/> U10 <input type="checkbox"/> U12 <input type="checkbox"/> U14 <input type="checkbox"/> U16 <input type="checkbox"/> U18
<input checked="" type="checkbox"/> FIS <input type="checkbox"/> Masters
<input type="checkbox"/> SL <input checked="" type="checkbox"/> GS <input type="checkbox"/> SG <input type="checkbox"/> DH <input type="checkbox"/> Parallel
<input checked="" type="checkbox"/> Women <input type="checkbox"/> Men
Run <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2

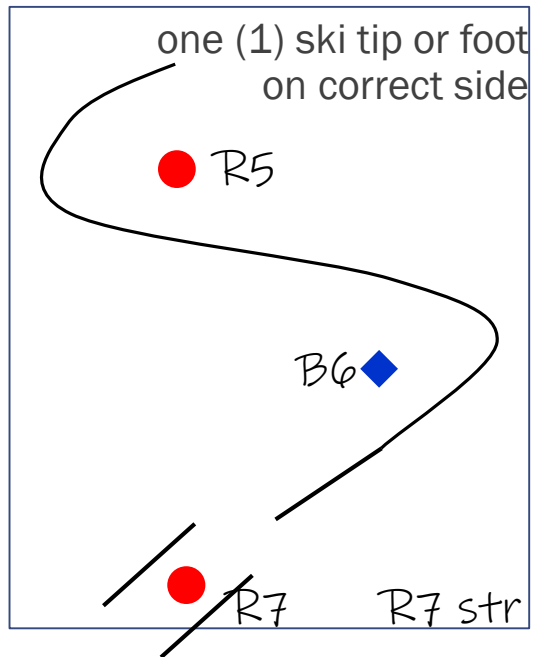


Drawings

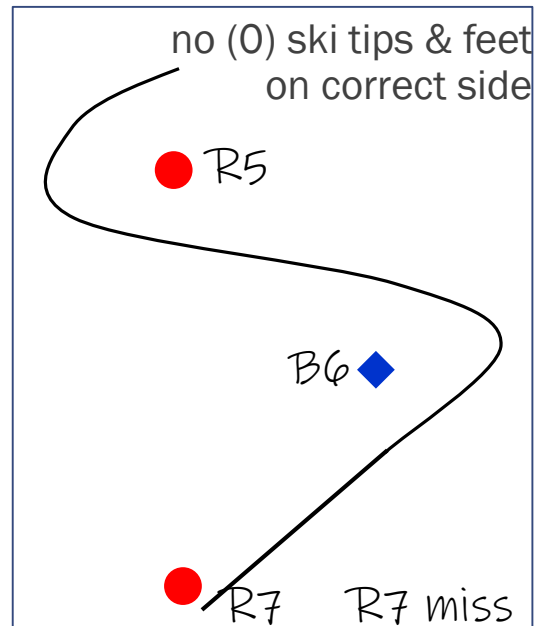
Correct Passage



Fault STRADDLE



Fault MISS



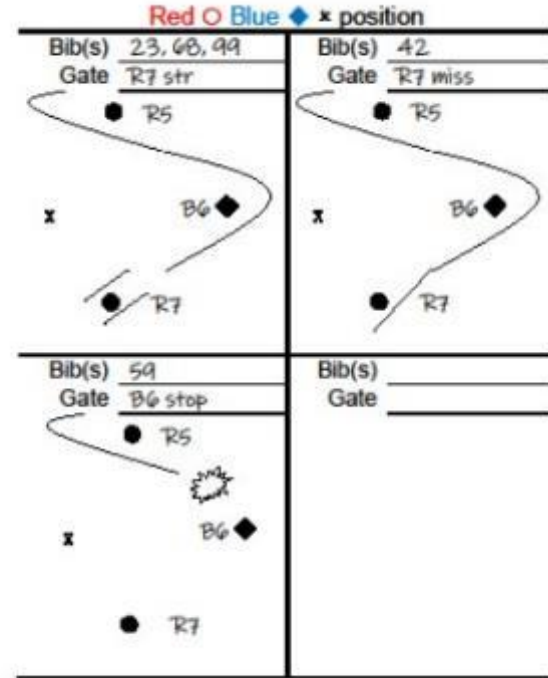


Drawings & Notes

Bib	Gate	Note	Bib	Gate	Note
23	R7	str			
32	B6	(1)			
42	R7	miss			
56	R7	(2)			
59	B6	stop			
68	R7	str			
99	R7	str			

(1) 32 obst by slipper, req rr

(2) 56 obst by crew, no req rr





Gate Judge Card Activity

fill out
Gate Judge Card



Referee Report

DSQ Disqualification

DNS Did Not Start

NPS Not Permitted to Start

DNF Did Not Finish

PROTEST PERIOD

15 minutes



REPORT BY THE REFEREE PROCES VERBAL DU JUGE ARBITRE PROTOKOLL DES SCHIEDSRICHTERS

Place Lieu	My Mountain	Country Pays	CAN	Codes	5111
Name of Event Nom de l'événement	Sponsor's Event Cup			Date Date	1 January 2019
Category	FIS	Gender	Ladies	Event	SL
The following competitors have been disqualified according to ICR: Les concurrents suivants ont été disqualifiés selon la ICR: Die folgenden Wettbewerber wurden als Folge der WVO disqualifiziert					
No. No.	Surname, First Name Nom de famille, Prénom Familienname, Vorname	Nat. Nationalité	Gate no. No. de porte Tor Nr.	Gate Judge Juge de porte Torwächter	Notes Notes Bemerkung
123	RACER, A.	CAN	43	JUDGE: S	straddle
-end-					
Did not start (No.) N'a pas commencé (N°) Nicht gestartet (Nr.)					
	3	8	49	-end-	
Not permitted to start (No.) N'a pas été autorisé à commencer (N°) Nicht an den Start zugelassen (Nr.)					
-end-					
Did not finish (No.) N'a pas terminé (N°) Nicht beendet (Nr.)					
	14	18	53	100	-end-
Time published Heure d'affichage Anzeigzeit					
11:00	Deadline Date limite Ablauf				
11:15	Date Date Datum				
1 January 2019	Referee Juge arbitre Schiedsrichter				
Ladies	Referee				

Race_Docs_SAMPLE doc 2018-2019

FÉDÉRATION INTERNATIONALE DE SKI
INTERNATIONAL SKI FEDERATION
INTERNATIONAL FR SKI VERBAND



Gate Judge Instructions



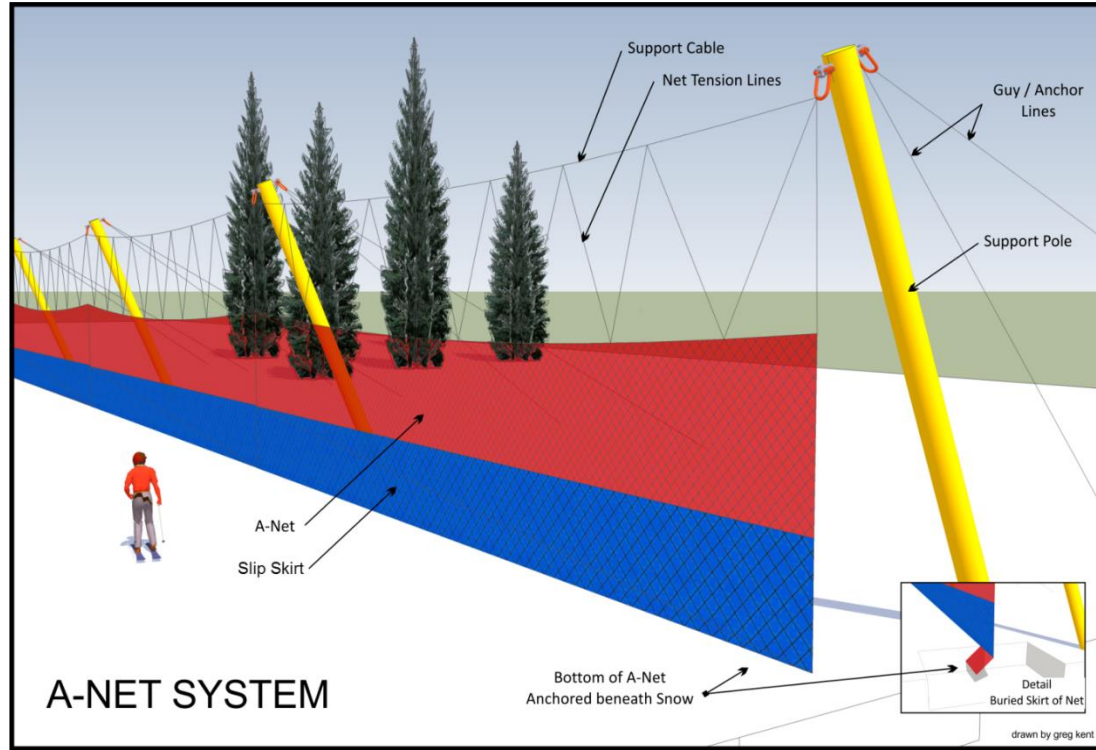


SECURITY



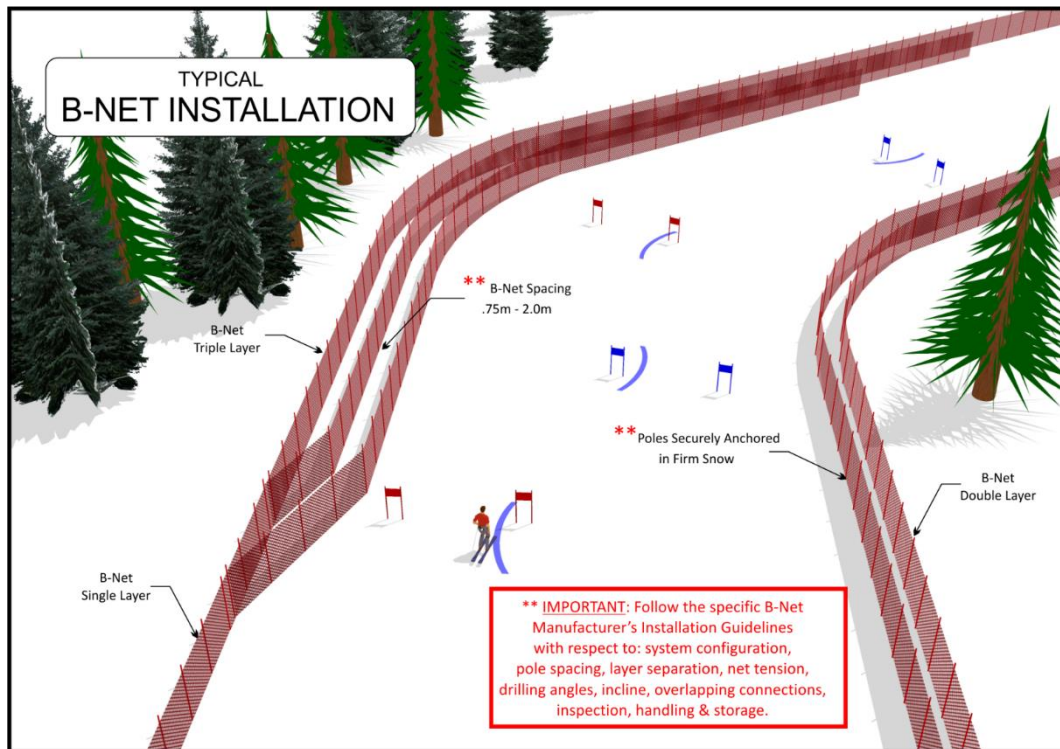


Aerial - A System



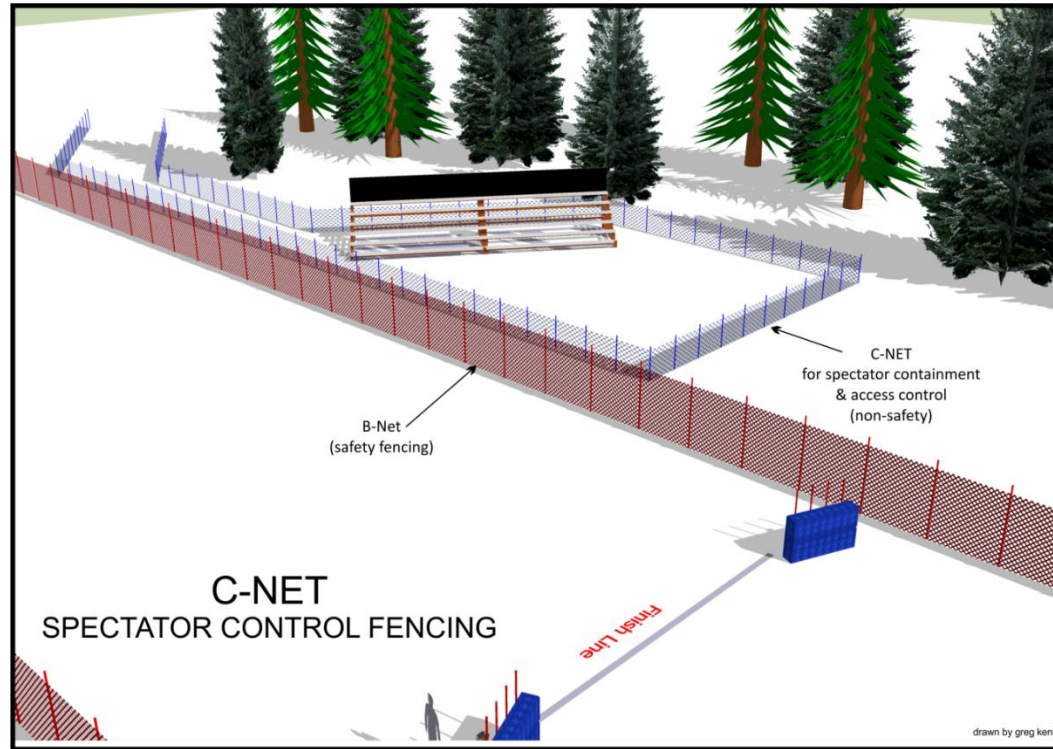


Barrier - B Net





Crowd Control - C Fence





Net DOs IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

DO

- ❖ maintain net under guidance of senior officials
- ❖ position/install/connect/overlap properly
- ❖ inspect regularly, reset as needed
- ❖ unskirt (skirted: raised, e.g. for grooming)
- ❖ remove accumulated snow or ice
- ❖ repair damaged nets and poles
- ❖ store net properly





Some Net Issues



DO reset



DO reset & DO unskirt



Be Prepared

- ❖ dress for the conditions and tasks
 - ❖ sun, cloud, wind/snow, sleet, rain/cold, warm
- ❖ conditions and tasks may change
 - ❖ add layers & accessories to warm up
 - ❖ shed layers & accessories to cool down
- ❖ fresh items to change during a break
- ❖ sun and eye protection
- ❖ nutrition/hydration
 - ❖ plan breaks according to program



Be Aware

- ❖ be aware
- ❖ conditions and situations are always changing
- ❖ understand and pay attention to the race interval
- ❖ do not interfere with a competitor's run
- ❖ keep checking above you for movement



Situational Awareness

STATIONARY

- ❖ understand the spill zones - which may change
- ❖ be prepared to move
- ❖ try not to make unpredictable moves
- ❖ people will be moving on and beside the course

MOVING

- ❖ time movement to occur after competitor passes
- ❖ ski in control, at an appropriate speed



Racer Down Protocol

- ❖ only authorized first responders should aid an athlete
- ❖ only enter an active course under the guidance of senior officials
- ❖ understand the Racer Down Protocol for the event



Sounds

- ❖ quiet near the start, for competitors to hear start signal
- ❖ do not shout “GO” near the start
- ❖ for visually impaired competitors, all noise must be kept to a minimum at the start, finish and on the entire course
- ❖ “COURSE” = **CLEAR THE WAY**, something approaching

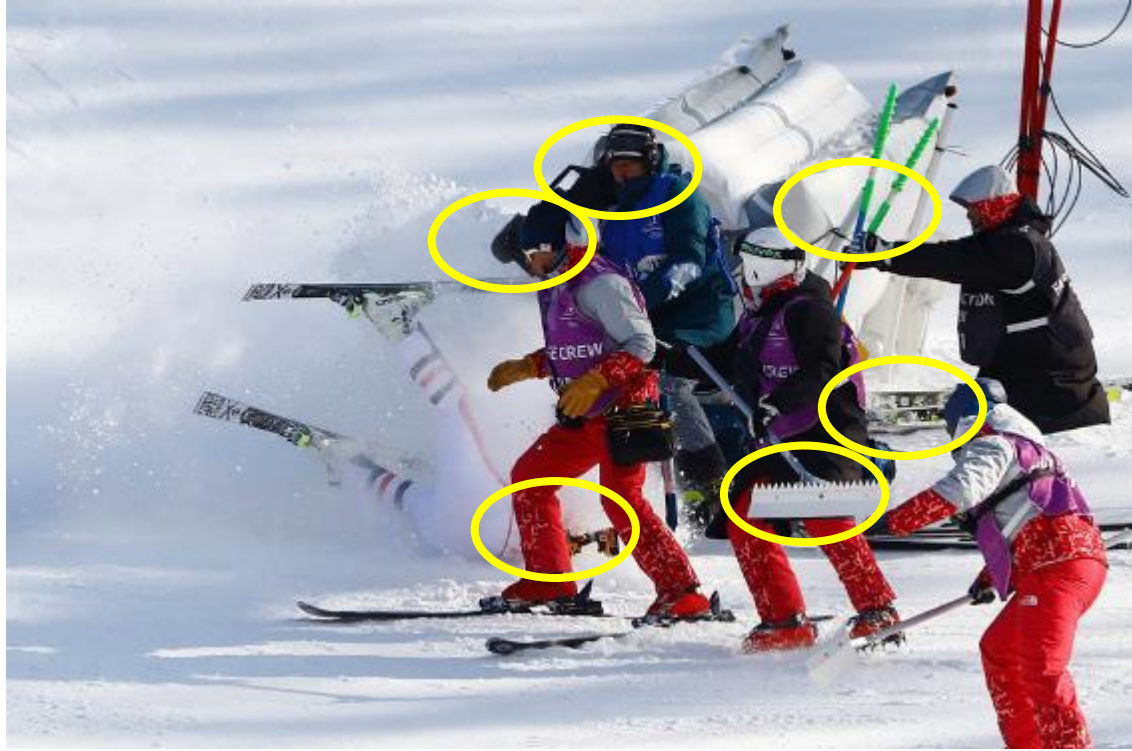


Detect the Obstacles Activity





Detect the Obstacles





Security





Annually

Every season:

- ❖ register as an Official
- ❖ attend an update (at least every other season)
- ❖ Review [ACA Official Code of Conduct](#)
- ❖ continue to gain experience at events
- ❖ check for other educational opportunities



Roles for Level 2

Race Administrator	Chief of Course
Chief of Volunteers	Chief of Equipment
Chief of Timing	Chief of Radios
Start Referee	Chief Steward
Finish Referee	Chief of Slip
Chief Gate Judge	Section Chief



Official Level 1

