

Venue Requirements - Snowboard FIS World Cup*

SNOWBOARD CROSS (SBX, SBX-Team)

This document is supposed to be used in combination with the *Cross Venue Requirements Working Document* (excel list) provided by the FIS.

Preparations - Staff / Material	# of People
2 snow-cats (park machine, winch cat, ...) for 10-14 days (inclusive competition days)	2 snow cat drivers with WC SBX course building experience
1-2 additional snow-cats for basic pushing	2 extra drivers with adequate experience
	4x 400 PB, 1 equipped with winch + new PB 400 winch at the ski jump can be made available FIS will reach out to PB/Prinoth for an additional Park Cat
Shapers/Builders – needed during course building (approx. 3-4 days) prior competition days. Additional Material according to the Venue Requirements “working tool” document	6-10 with shovels, shaping/cutting rakes and other shaping materials
	Professional hand-shaping terrain park tools. Approximately 30 (shaping and HP cutter). Snow scoops, etc.

Training days (2) - Staff / Material	# of People
1-2 snow cats for course preparation, etc. (Early - depending on weather, etc.)	1-2 snow cat drivers with WC SBX course building experience – assisted by OC snow cat shift
Starter	1
Assistant Starter	1
Chief of Finish (in Jury)	1
Chief of Competition (in Jury)	1
Section Chiefs (Course Judges)	10-14 with yellow flags and DQ cards they need radios to be connected with the race jury /race channel)

		Very important and responsible position (should be the same individuals during all Training-, qualification- and final- days)
Section Helpers	20-24	for each Section minimum 2 extra person with shovels, rakes, shaping tools
Course Maintenance	6	3 groups with 2 persons on skis only each group with drill, extra batteries, wedges, hammer, gate-key, stubies, long poles, gate-flags, B-net poles, etc.)
Slippers	20-30	experienced skiers
Color/Dye Crew	4	on skis (4 quality pumps with blue color)
Security – Crowd Control	4	(min) on the finish area and start
Exit-Gate manager (exit gate control)	1-2	lining up the athletes for TV purposes, collecting bib numbers
Medical Person – (Emergency) Doctor - Ski Patrol	1-2 4-6	minimum at start–either on ski or skidoo at any time during training and competition (person qualified in Advanced Cardiac- or Trauma Life Support, ACLS/ ALS) two groups of 2 persons + 1 sledge in case 1 crew has to leave 1 is still at Start (qualified in ALS/ACLS and/or paramedic with capability in advanced airway management and according to the FIS MEDICAL GUIDE)
Building Crew (separate Crew)	4-6	to help building TV-platforms, etc.
Miscellaneous Staff – fence	6-8	to build up all safety materials
Skidoos incl. Driver (whole day)	1-2	depending on lift-situation

Competition day - Staff / Material	# of People
1-2 snow-cats to prepare landings, etc. (Early - depending on weather, etc.)	2 snow cat drivers with SBX course building experience – no regular snow cat shift 2 extra drivers with adequate experience
Starter	1

Assistant Starter	3	1 Assistant Starter 2 for the start gate
Chief of Finish (in Jury)	1	
Chief of Competition (in Jury)	1	
Hand timing (only for Qualification)	3	1 at the start and 2 at the finish they will get the equipment from the Data & Timing provider (Swiss Timing/ GSS)
Section Chiefs (Course Judges)	10-14	with yellow flags (of adequate large size and poles) and DQ cards they need radios to be connected with the race jury /race channel) Very important and responsible position (should be the same individuals during all Training-, qualification- and final- days)
Section Helpers	20-24	for each Section minimum 2 extra persons with rakes/shovels
Course Maintenance	6	3 groups with 2 persons on skis only each group with drill, extra batteries, wedges, gate key, stubbies, long-poles, gate-flags, B-net poles,...
Slippers	20	experienced skiers minimum with rakes/shovels
Dye Crew	4	on skis (4 quality pumps with blue color)
Security – Crowd Control	4	each side of course (especially if any catwalks intersect the course)
- Start area	2	
- Finish area	2	
Accreditation control	4-6	around the finish area – depending on different zones and spectators
Exit-Gate control	1	lining up the athletes for TV purposes
Medical Support – (Emergency) Doctor	1-2	minimum at start–either ski or skidoo (qualified in Advanced Cardiac- or Trauma Life Support, ACLS/ALS)
- Ski Patrol	4-6	two groups of 2 persons+1 sledge – 1 crew have to leave 1 is still on start (qualified in ALS/ACLS and/or paramedic with capability in advanced airway management and according to the FIS MEDICAL GUIDE) http://www.fis-ski.com/mm/Document/documentlibrary/Medical/03/31/99/fis-medical-guide-2013_Neutral.pdf
		Medical Supervisor and Medical Plan to be provided. Tbc. in November No Ski Patrol System established at resort. Adequate solution with external Patrol or ski

	resort of resort
Score/Results Board - Finish - Start	2 to write down times/ranks and further communicate to the start result board to write down times/ranks-radios OC
Runner	2 copying, collecting and distributing/posting of result-/start- lists, 1 for race officials and result boards at Start + Finish 1 for media, press, ...
Skidoos/Snow-Mobiles including experienced driver	5 for finals (tbc. depending on local lift-situation). 1 on stand by for Qualification
Building Crew (separate team of workers)	4-6 to help building TV-platforms, etc.
Miscellaneous Staff – fencing	6-8 public fencing, media corridors,...
Award Ceremony (Place 1-4)	5 1 responsible person 4 to present the awards
Doping Control	12 6 women and 6 men (chaperones)

Fencing	1 m crowd control fence on both sides of the course to separate the course from the general public. B-net on all banks (around 1500-2500 meters – depending on course length and amount of banks) and other dangerous positions. Other safety nets and padding (for trees, lift-towers, etc.) as per required by race jury.
	B-Nets available: 7000m, 2500 might be appropriate C-Nets available: 1.500m

Starting Gates	As per attached or FIS approved other device – new dimensions since season 2008/2009. 8 (12 if heats of 6) baskets for colored bibs are required at the start.
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Dye	Blue for dying the race line (minimum 4 pumps and 4 skiers to do the dying) Red colour only for finish line. (The pumps should be prepared/checked to spray a constant 15-25cm wide line)
	Several models available, 4 pumps + 2 in reserve required,

Snow preparation	If necessary salt (fertilizer, regular- salt 2-3/3-5 mm corn size,...) and water hoses (snow-gun system) might get used.
	Near to the start of the course there needs to be established some storing spaces. Temporary container, etc. at start (like Moguls Timing House moving uphill), Resort responsible

Official Notice Board	A suitable board in the finish area (marked as “OFFICIAL NOTICE BOARD”) - close to the exit gate (minimum 2 x 2 meters) to post results, heat sheets, jury decisions, etc. and to write down times/rank during Qualification and Finals.
Scoreboard	A suitable board in the start area (minimum 1 x 2 meters) to post official results, jury decisions, information and to write down times and

	ranks during Qualifications and Finals.
Start Tent	Available for competitors - minimum 5 x 5 meters, closed, secured and heated - (restaurant within 100m maximum distance is adequate)
Drinking water	Hot tea and cold water (without gas) should be made available during training and competition for competitors.
Toilets	1 toilet located adequately close to the start area (restaurant within 100m maximum distance is adequate)
Sound System Speaker DJ Big Screen/Video Wall	Specifications as per sound company and local situation – during competition not too much noise to interfere with the race and TV English is required and the host national language – optimum set up are two announcers (during inspection, qualifications and awards). Very important – musical selection depends on the audience and local habits, but should be ambivalent to snowboarding Located to serve the spectators in the finish area and integrated in the overlay plans. Minimum dimension 3m x 4m, in accordance to the distance from the main spectators’ area (see FIS MARKETING GUIDE).
Communication/ Radios	OC provides min 26 radios to run the competition (2-3 channels according to FIS radio list/radio protocol) OC is required extra radios for internal communication.
	Teams might have to confirm the radios and frequencies
Ski Doo’s/ Snow Mobiles	A minimum of 5 ski doo’s (with experienced drivers) is required for the finals in SBX or a suitable lift just beside the SBX-course (tbd.)
Poles/ Gate Flags	Long poles: Minimum of 40 red and 40 blue fixed plastic poles and a minimum of 4 gate keys from the OC Stubbies: FIS Marketing AG (FISMAG, Andi Marugg/ marugg@fismarketingag.com) may bring the stubbies/short poles if not available by OC – minimum of 4 gate keys required from the OC Gate flags: PGS/SBX size of gate flags to be provided by the Local Organizer

Video Control	The organizer in cooperation with the host broadcaster must provide the possibility to review any sequence of the entire competition from different angles (according to FIS BROADCASTER MANUAL, usually all cameras accessible) by a FIS approved Video Controller. http://www.fis-ski.com/inside-fis/document-library/marketing/
Timing Building	A heated lockable building/container with power (separate electric circuit) and tables and chairs for 6 people (minimum 12 square meters) with windows, located adjacent to the finish line is required at all venues. FIS data processing company (Swiss Timing) will provide more details in their separate Data and Timing SERVICE CATALOGUE (Gregory.Sage@swisstiming.com , Tel.: +41-32-488 36 76 ; mob.: +41 79 768 36 98 or +33 6 20 74 84 94)
Timing cable	
Timing table start Internet connection	
Awards	A stage (5x4 meter) beside the finish area (where TV cameras have easy access) with a table for the prizes. Before a corridor with 1 meter crowd control metal fence for press/TV/photographers. Awards backdrop is coming from ASS (Peter Angerer). Awards stair case by OC and according to FIS Snowboard MARKETING GUIDE http://www.fis-ski.com/inside-fis/document-library/marketing/
Power	Will be needed at: - Start/ Start Area - Finish Area - Data Building - Award-Stage - Speaker/DJ

FIS-Data processing, timing and venue-setup agencies (Swiss-Timing/ GSS and FIAMAG) will contact OC directly for additional transport and staffing needs and confirmation.

*The WC Venue Requirements may function accordingly as the minimum Requirements for the Olympic Winter Games, OWG Test event and World Championships.

Agreed by: _____ Date: _____
Resort/OC Representative

Agreed by: _____ Date: _____
FIS Inspector