



Moguls and Dual Moguls Course Set Up



New Standards and Requirements Season 2007 - 2008

Freestyle Committee Approved;

- In Spring 2007;
- New Course MO and DM Specifications Drawings;
Fencing around the Airbumps, Positions of Air Bumps, Size of Air Bumps,
- Course Fencing;
Wedges around the Air Bumps
- No other measurements (distances, angles) have changed.

New Course Specification Drawings

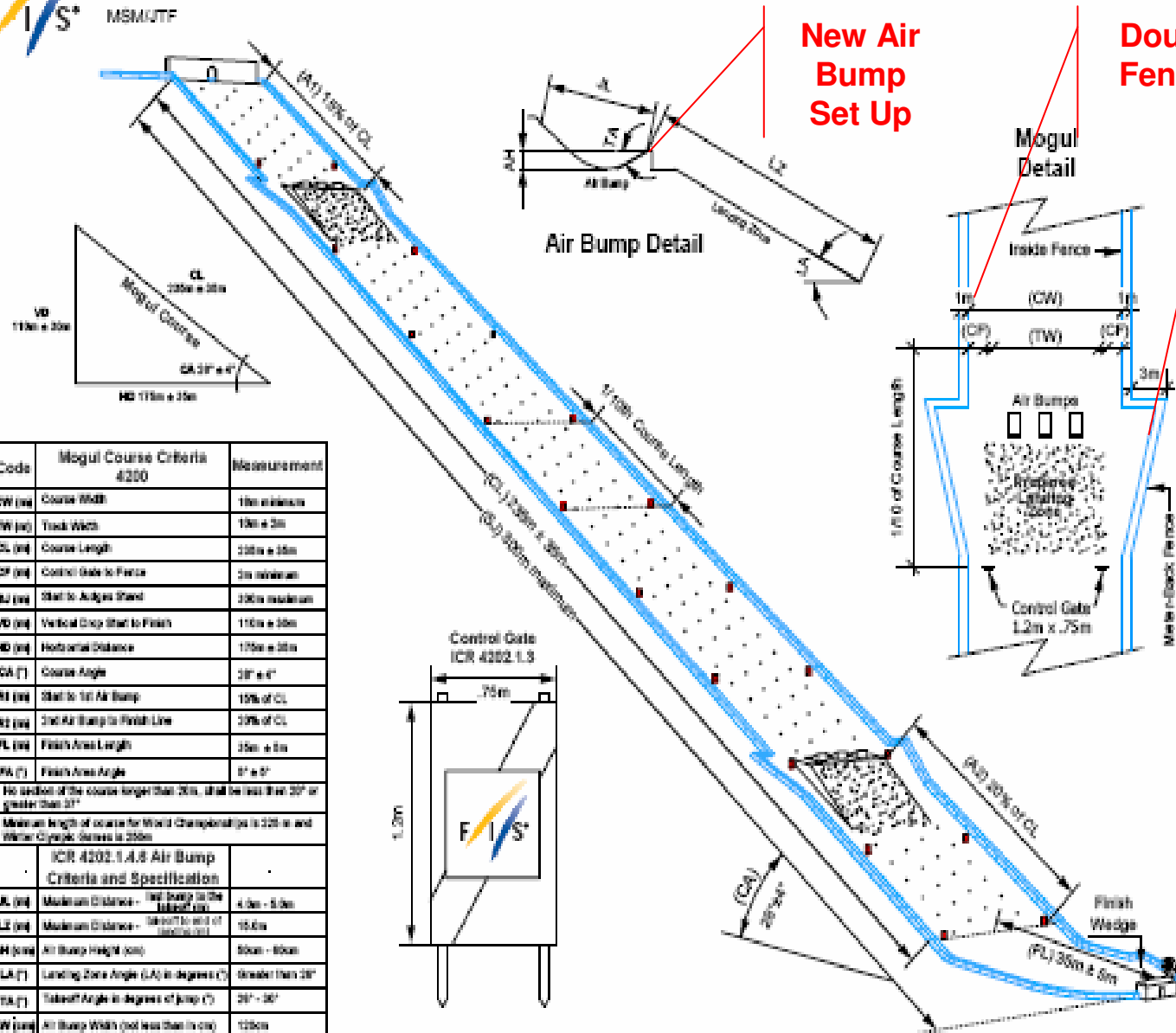
- Provide, in much greater details, the layout of the courses and fencing structure.
- Air bump details are further defined in terms of locations, size and dimension.
- Detailed tables of the range of Course Specifications.
- Dimensions for the Control Gates.



Mogul Course Specifications - ICR 4202.1.3

Revised 14.11.07 - FIS Freestyle Committee

MSM/UTP

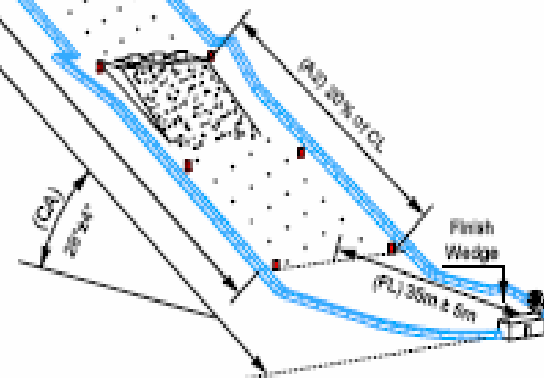
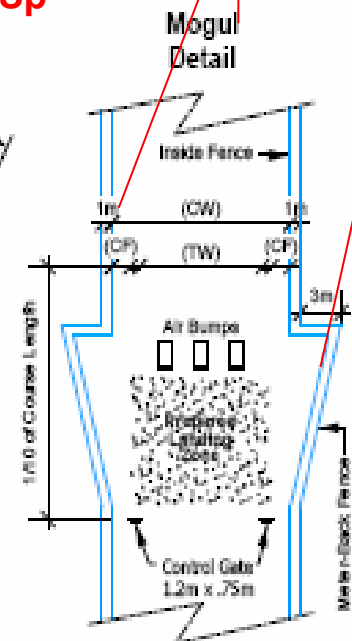
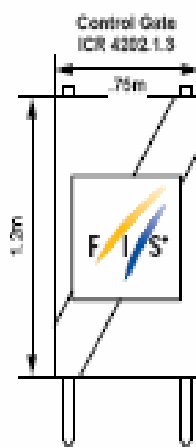


New Air
Bump
Set Up

Double
Fences

Wedges
for air
bumps

Code	Mogul Course Criteria 4200	Measurement
CW (m)	Course Width	10m minimum
TW (m)	Track Width	10m ± 5m
CL (m)	Course Length	200m ± 5m
CP (m)	Control Gate to Fence	3m minimum
AL (m)	Start to 1st Air Bump	200m maximum
VD (m)	Vertical Drop Start to Finish	110m ± 5m
HD (m)	Horizontal Distance	175m ± 5m
CA (°)	Course Angle	30° ± 4°
A1 (m)	Start to 1st Air Bump	10% of CL
A2 (m)	2nd Air Bump to Finish Line	30% of CL
PL (m)	Finish Area Length	35m ± 5m
FW (°)	Finish Area Angle	0° ± 0°
No section of the course longer than 20m, that be less than 20° or greater than 30°		
Minimum length of course for World Championships is 200m and Winter Olympic Games is 250m		
ICR 4202.1.4.8 Air Bump Criteria and Specification		
AL (m)	Maximum Distance - 1st bump to the 2nd bump	4.0m - 5.0m
L2 (m)	Maximum Distance - 1st bump to end of landing zone	10.0m
AH (m)	Air Bump Height (m)	50cm - 60cm
LA (°)	Landing Zone Angle (LA) in degrees (°)	Greater than 20°
TA (°)	Takeoff Angle in degrees of jump (°)	20° - 30°
AW (m)	Air Bump Width (not less than 1m)	120cm



Tignes, FRA WC Dec. 2007 with new set up in place



MOGUL COURSE CRITERIA 4200

CW	Course Width	18m minimum
TW	Track Width	10m \pm 2m
CL	Course Length	235m \pm 35m
CF	Control Gate to Fence	2m minimum
SJ	Start to Judges Stand	300m maximum
VD	Vertical Drop Start to Finish	110m \pm 30m
CA	Course Angle	28° \pm 4°
AB1	Start - 1st Air Bump	15% of CL
AB2	2nd Air Bump - Finish Line	20% of CL
FL	Finish Area Length	35m \pm 5m
FA	Finish Area Angle	5° \pm 5°

- No section longer than 20m shall be less than 20° or greater than 37°
- Minimum length of course for World Championships 225 m and Winter Olympic Games 250m

DUAL MOGUL COURSE CRITERIA 4300

CW	Course Width	21m minimum
TW	Track Width	6.5m \pm .5m
CL	Course Length	200m \pm 50m
CF	Control Gate to Fence	2m minimum
SJ	Start to Judges Stand	250m maximum
VD	Vertical Drop Start to Finish	80m \pm 20m
CA	Course Angle	28° \pm 4°
AB1	Start - 1st Air Bump	15% of CL
AB2	2nd Air Bump - Finish Line	20% of CL
FL	Finish Area Length	35m \pm 5m
FA	Finish Area Angle	5° \pm 5°

- No section longer than 20m shall be less than 20° or greater than 37°

Table for Mogul and Dual Mogul 'Air Bumps'

<u>Code</u>	ICR 4202.1.4.6 Air Bump Criteria and Specifications		Measurement
JL	Jump Length	Maximum Distance - the end of the last bump to the take off (m)	<u>4.0m – 5.0m</u>
LZ	Landing Zone	Maximum Distance - airbump takeoff to end landing (m) (LZ)	<u>15.0 m</u>
JH	Jump Height	Jump Height (JH) (cm)	<u>50 - 60 cm</u>
LA	Landing Angle	Landing Zone Angle (LA) in degrees (°)	<u>Greater than 26°</u>
TA	Takeoff angle	Takeoff Angle (TA) in degrees of jump (°)	<u>26° to 30°</u>
AW	Airbump width	Air Bump Width (not less than in cm)	<u>120 cm</u>

Other Course Considerations

- Banners / Banner Frames / Fences
 - Control Gate to Fence (or Banner Frame) = 2m minimum
 - The Banner Frames can be used, but they cannot reduce amount of required space, between the control gate and the Banner Frame or the Fence. Two (2) meters of space is required. Therefore, the fence needs to be moved out further, banner frames are used.
 - Banner Frames need to be made of 'splinter proof' material and have the ability to 'shear off' at the base if they are hit by a skier.

Other Course Considerations

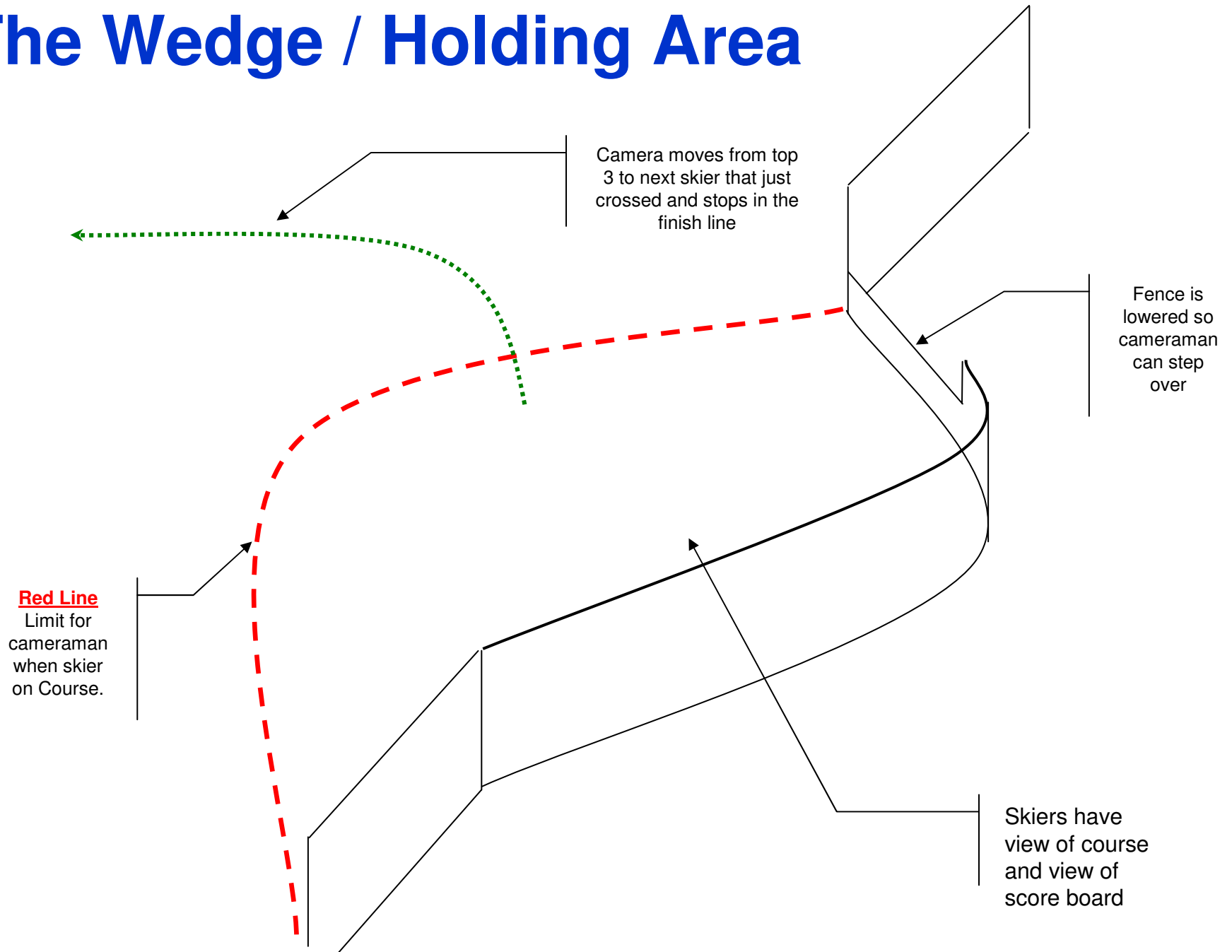
Camera Positions

- Hand Held Camera can be positioned inside of the wedges around the airbumps
- If towers are used out side of the fences, then these towers cannot be directly on the outside fence, they need to away 75 cm to 1.00 m away from the fence and padded between the stand and the fence.

Finish Areas

- Need to be set up with wedges to hold the skiers

The Wedge / Holding Area



World Cup Mogul Finish Area

*Last skier down
is stops
wherever,
watches the
reply on video
wall and waits
for the result to
announced*

**FIS holds
skier so a
reaction
shoot can
gained**

Camera moves from top
3 to next skier that just
cross the finish line

Exit Gate

**3rd
Ranked
first to
leave**

**2nd
Ranked**

**1st
Ranked**

Fence is
lowered so
cameraman
can step
over

