COMPETITION COMMITTEE

CHIEF COURSE (IR)
- Control Officer
- Controllers
- Maintenance Supervisor
- Machinery
- Groomers
- Forerunners Captain
- Skiers
- Medical Teams

CHIEF SHOOTING RANGE (IR)
- Ramp Officer
- Ramp Supervisor (4)
- Range Officials
- Scoring Teams
- Penalty Loop Supervisor
- Controllers
- Armorer

CHIEF TIMING (IR)
- Timing Officer
- Timers
- Technicians
- Communicators
- Start/Finish Officer
- Starter and Assistants
- Equipment Control (S/F)
- Result Service

CHIEF STADIUM (IR)
- Stadium Officer
- Access Control Officer
- Organization Equipment
- Storesman
- Medical Service
- Public Announcer
- Scoreboard Operators
SINGLE START AREA

- **Transponders**
- **Referees**
- **Referee**
- **Starter**
- **Clothes**
- **Transport**
- **Officials**

**WARM-UP AREA**
With enough space for to store warm-up clothing, and space for minimum 20 rifle racks

- **Competition Trail**
  - Start Line: Red, sunken into snow (if electronic start gate in use, it is not needed)

- **Start Structure**
- **Start Corridor**
  - 6 m
  - 8 - 10 m
  - 2 m

- **Course Info board**
  - Showing the course in use

- **Last Check Referee**

- **Ref. Starter Assistant**
- **Referee Starter**

**Event Specifics**

- **Late Start**

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**Equipment / Materials Inspection**
- **Referees**
- **Transport**
- **Clothes**
- **Equipment / Materials Inspection Referees**
PURSUIT START AREA

1. Minimum 4, plus Spare Lane
2. Long enough to hold the required number of competitors
3. Fenced; V-boards

START LINES

1. Minimum 4, plus Spare Lane
2. Long enough to hold the required number of competitors
3. Fenced; V-boards

START LINES

1. Minimum 4, plus Spare Lane
2. Long enough to hold the required number of competitors
3. Fenced; V-boards

WARM-UP AREA
Must be large enough to accommodate all the competitors at the same time
MASS / RELAY START AREA

Start numbers
Showing position of athletes in row

Start boards
Showing start numbers by lanes
RELAY HAND-OVER ZONE

Hand-over START

Enter

Timing Point

Red Line 1 m long Right and Left side (Start & End)

Tag Referees

Hand-over END

Exit

Equipment Inspection Referee

Rifle Inspection Referee

Equipment / Materials Inspection Referees

9 m

30 m

50 m
SINGLE MIXED RELAY SET-UP

* Set-up of Single Mixed Relay stadium varies from venue to venue. When planning, all possibilities have to be considered (penalty loop, warm-up zone, hand over zone, start, finish, length of course)

a) Hand-over zone in the middle of stadium (additional course)

[Diagram showing a hand-over zone in the middle of a stadium]

b) Hand-over zone right after penalty loop (original course)

[Diagram showing a hand-over zone right after a penalty loop]
SHOOTING RANGE - Top view

- T - posts 20 x 15 cm
  - 7 lines, adequate spacing

- Wind Flags
  - Every 2nd Shooting Lane

- Rifle Racks
  - 1 for every Shooting Lane

- Coaching Area (min 30 cm higher than range)

- Media Area (min 30 cm higher than range)

- VIP Area, where applicable (min 30 cm higher than range)
SHOOTING RANGE - Side view

- Light
- Centre of Target
- 50 m (+/- 1 m)
- 80 - 100 cm
- 20 m
- 5 m
- Min 30 cm
- Max 30 cm
- Bottom of Target
- White Wall
  - From ground to min 0,5 m above upper edge of target
- Targets Roof
- Targets Ramp
- Wind Flag
- T - Post
- Shooting Ramp
- Shooting Mat to be fixed directly on the edge of the ramp

30 cm

80 - 100 cm

30 cm
PENALTY LOOP

- Maximum 60 m
- Inner side of loop: 150 m, +/ - 5 m
- Oval shape
- Flat
- Minimum 15 m

1

6 m

3 m

Maximum 60 m

Minimum 15 m
COURSES

4000 m
3300 m
3000 m
2500 m
2000 m
1500 m

Minimum width 6 m
Highest altitude point 1800 m
Maximum climb grade 25%
Minimum uphill 50 m
Minimum width of roller ski course 3.5 m

BIATHLON STADIUM

Warm-up loop 400 m / close to stadium
## COURSES

<table>
<thead>
<tr>
<th>Competition</th>
<th>Length</th>
<th>- 2%</th>
<th>+ 5%</th>
<th>Course</th>
<th>Total Climb</th>
<th>Color</th>
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<td>INDIVIDUAL</td>
<td>20,000</td>
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COLOR: black/yellow or other contrasting colors as app. by the IBU

TARGET NUMBER

Recommendable dimensions of plate
45 x 45 cm
Immediately above center of target

SHOOTING LANE NUMBER

NUMBER POST
40 cm high (ground to number bottom)
1 - 2 cm tick
white

STAND / PRONE MARK

NUMBER POST
20 cm
SHOOTING RANGE MARKINGS 2

COLOR: black/yellow or other contrasting colors as app. by the IBU

T-POST

LANE MARKERS

POST

White

7 lines between ramp and target

WIND FLAG

Free Rotation

Maximum weight 5 g.
Adjustable post height.
Silk or similar material.
Highly visible color.

COLOR: contrasting colors

60 x 30 cm

start silent zone

end silent zone

RANGE MARKINGS WC & WCH

60 x 30 cm

start silent zone

SPONSOR

end silent zone

SPONSOR
COURSE MARKINGS 1

COLOR: contrasting colors

- 60 x 30 cm
  - 50 m to finish
  - PENALTY LOOP
  - COURSE
  - hand-over START
  - hand-over END

- 30 x 60 cm
  - Course Crossings A
  - Course Crossings B

COURSE MARKINGS WC & WCH
PURSUIT START BOARD - Start Line

FRONT SIDE

IBU Logo

Event Logo
30 x 32 cm

Resort Letter max 15 cm max 2 marks

Sponsor

BACK SIDE

START LIST
A3 Page

START LIST
A3 Page

Sponsor
FLOWER CEREMONY AREA
(set-up depending on stadium layout)

Adapted logo

80 cm
60 cm
30 cm

ADVERTISING WALL

450 cm
260 cm

PHOTO / TV

10 m
6 m

Min 4 m

Top view
1  IBU EB Official Representative
2  Chief of Competition
3  IBU Technical Delegate
4  IBU Race Director / Asst.
5  Competition Secretary
6  OC President
7  Reserve
8  Reserve
9  Translators (ENG, GER, RUS)
10 IBU IRs
   IBU Medical Delegate / Asst.
   IBU EB Members
   IBU HQ Officials
11 OC Competition Areas Chiefs
   OC Logistic Chiefs
12 Team Captains / at least 1 per NF
13 Timing Service
14 Technician
15 Media
### SHOOTING LANE RECORD

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<th>Date</th>
<th>Lane numbers from to</th>
<th>_ _ _ _</th>
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