

USBA Basic Officials Training and

Event Management 101

4 December/11 December 2010

Instructor: Julia Collins

Objectives:

- To train biathlon officials/volunteers capable of working in any role required at CBC events
- To enhance your experience as a competitive biathlete
- To convey the knowledge required for USBA Basic Officials certification

**Thanks to Biathlon Nouveau-New Brunswick and
Biathlon Canada for contributions to this course content.**

Officials Training Progression: USBA

Basic

- No prerequisites

Advanced

- Two years of experience
- Supported at least four competitions
- USBA Member

Officials Training Progression: IBU

International Referee

- At least 22, not older than 57
- 65 or younger to work at an event
- Nominated by National Federation
- Must have held a valid national referee license for at least four years.

Technical Delegate

- At least 28, not older than 55
- 65 or younger to work at an event
- Selected by IBU technical committee or nominated by national federation
- Must have valid IR license for at least 4 years; officiated in at least two international events in the past four years.

Definitions: Biathlon

The word biathlon comes from the Greek and means “two tests.”

The challenge of biathlon is the combination of two completely contradictory disciplines, one demanding full- out physical exertion over long distances and time periods and the other requiring precise control and stability.

Definitions: Biathlon

Biathlon is an Olympic winter sport which combines competitive, free technique cross-country skiing and small-bore rifle marksmanship

The term may also include any generically related activities of movement and shooting such as archery and skiing, mountain biking and shooting, running and shooting, roller-ski/roller-blading and shooting, and show-shoeing and shooting.

Cross biathlon is the combination of cross-country running and small-bore shooting. Rifles are not carried by the athlete but are left at the shooting range.

Disabled Biathlon

Two main categories:

Blind/visually impaired

- Skiing with guide
- Shooting with audio system

Mobility disability

- Pulk skiing
- Prone shooting

Disabled Biathlon



History

Earliest Record

- Cave drawings in Norway over 4000 years old

Development

- Hunting and warfare; first known competition in 1767 on the Swedish/ Norwegian border
- Continued Development - Military

Olympic Sport

- Demo sport at first OWG in Chamonix, France 1924 under name Military Patrol
- Out of Olympics in 1948
- Back in Squaw Valley 1960 under name Biathlon

History

Recent History

- 1958: first WCH (UIPMB)
- 1964: first IR seminar, Sweden
- 1978: rifles changed to small- bore
- 1989: first JWCH in Voss, Norway
- 1992: Women in OWG
- 1993: IBU founded
- 1998: Pursuit competition added
- 1999: final separation from UIPMB (IOC)
- 1999: Mass Start competition added

See IBU Media Guide for much, much more.

Governing Bodies

Local: CBC

National: USBA

International: IBU

Why we're here

Ensure that our events are...

- Safe
- Fair
- Fun

Safety

Biathlon competitions and training include firearms, which demands absolute focus and alertness on the part of athletes, coaches and officials to ensure safety. As well, fast paced skiing over demanding terrain imposes an additional safety concern for everyone in biathlon.

Definitions: Competition

The competition is defined as the period of time which begins when the competitor enters the start control area and ends when he leaves the finish control area or the doping control, whichever occurs last. The competition is also a single competitive activity such as the Women's 7.5 km Sprint.

THE WORD "COMPETITION" IS NOT
INTERCHANGEABLE WITH THE WORD "EVENT "

Classes of Competitors: Men, Women

Male and female competitors who have turned 21 at the cut-off-date 31 December will be classed as men and women respectively. From the season starting on 1 November of that same year onward, they may only start in men's or women's competitions, according to their gender.

Classes of Competitors: Junior Men, Junior Women

Male and female competitors who turned 19 at the cut-off-date of 31 December will be classed as junior men and junior women respectively. From the season starting on 1 November of that same year onward, they may only start in junior men's and junior women's competitions, according to their gender. Separate competitions will be organized for them. However, junior men will be permitted to participate in men's and junior women in women's competitions respectively, according to gender.

Classes of Competitors: Youth Men, Youth Women

Competitors who have not yet reached junior men's or junior women's age as defined above will be classed as youth men or youth women respectively, and separate competitions will be organized for them. Youth men will be permitted to take part in men's and junior men's competitions, and youth women will be permitted to take part in women's and junior women's competitions. However, at an event they may start in only one and the same class of competitor in the Individual, Sprint and Pursuit competition. Moreover, youth may only participate in one Relay competition at the Y/JWCH.

Club-defined Categories

<http://www.coloradobiathlon.org/forms/categories.html>

- ◉ Masters Men/Women 30-44
- ◉ Masters Men/Women 45+
- ◉ Boys/Girls 15-16
- ◉ Boys/Girls 13-14
- ◉ Boys/Girls 11-12
- ◉ Boys/Girls 10 and younger

State Champs confusion:

- ◉ Boys/Girls 13-16
- ◉ Boys/Girls 12 and younger

Competitor's Responsibility

A competitor may participate in an IBU event or competition only with equipment, clothing and advertising that are in accordance with the IBU Material Catalogue and other IBU regulations. It is the competitor's responsibility that he undergoes the start and finish equipment and clothing controls.

Types of Competitions

- Individual: P, S, P, S
- Sprint: P, S
- Pursuit: P, P, S, S
- Mass Start: P, P, S, S
- Relay: P, S
- Mixed Relay: P, S
- Super Sprint: P, S (preliminary); P, P, S, S (final)

Types of Competitions

1 Class of Competitors	2 Course Length and Competition Type	3 Standard Start Types and Intervals	4 Ski Loops	5 Shooting Bouts and Shot Penalty 5 Rounds per Bout except Relay	6 Distance between and Location of Shooting Bouts	7 Total Climb
MEN	20 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	4 km - 4 / 8 / 12 / 16 km	600 - 800 m
	10 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	3.3 km - 3 and 7 km	300 - 450 m
	12.5 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	2.5 km - 2.5 / 5 / 7.5 / 10 km	350 - 500 m
	15 km MASS START	Simultaneous	5	P, P, S, S - 150 m	3 km - 3 / 6 / 9 / 12 km	400 - 600 m
	4 x 7.5 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2.5 km - 2.5 and 5 km	200 - 300 m
	2.4 - 3.6 km SUPER SPRINT QUALIFICATION	Single , 15 sec	3	P, S (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 2400 m	45 - 75 m
	4 - 6 km SUPER SPRINT FINAL	Simultaneous	5	P, P, S, S, (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 4800 m	60 - 125 m

Types of Competitions

1 Class of Competitors	2 Course Length and Competition Type	3 Standard Start Types and Intervals	4 Ski Loops	5 Shooting Bouts and Shot Penalty 5 Rounds per Bout except Relay	6 Distance between and Location of Shooting Bouts	7 Total Climb
WOMEN MEN	2 x 6 km (W) 2 x 7.5 km (M) MIXED RELAY	Simultaneous and Tag W, W, M, M	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km 2.5 km - 2.5 and 5 km	150 - 250 m 200 - 300 m
WOMEN	15 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	3 km - 3 / 6 / 9 / 12 km	400 - 600 m
	7.5 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	2.5 km - 2.5 and 5 km	200 - 300 m
	10 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	2 km - 2 / 4 / 6 / 8 km	200 - 400 m
	12.5 km MASS START	Simultaneous	5	P, P, S, S - 150 m	2.5 km - 2.5 / 5 / 7.5 / 10 km	350 - 500 m
	4 x 6 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km	150 - 250 m
	2.4 - 3.6 km SUPER SPRINT QUALIFICATION	Single , 15 sec	3	P, S (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 2400 m	45 - 75 m
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JUNIOR MEN	15 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	3 km - 3 / 6 / 9 / 12 km	400 - 600 m
	10 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	3.3 km - 3 and 7 km	300 - 450 m
	12.5 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	2.5 km - 2.5 / 5 / 7.5 / 10 km	350 - 500 m
	12,5 km MASS START	Simultaneous	5	P, P, S, S - 150 m	2,5 km - 2.5 / 5 / 7.5 / 10 km	350 - 500 m
	4 x 7.5 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2.5 km - 2.5 and 5 km	200 - 300 m
	2.4 - 3.6 km SUPER SPRINT QUALIFICATION	Single , 15 sec	3	P, S (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 2400 m	45 - 75 m
	4 - 6 km SUPER SPRINT FINAL	Simultaneous	5	P, P, S, S, (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 4800 m	60 - 125 m

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JUNIOR WOMEN MEN	2 x 6 km 2 x 7.5 km MIXED RELAY	Simultaneous and Tag w, w, m, m	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km 2.5 km - 2.5 and 5 km	150 - 250 m 200 - 300 m
JUNIOR WOMEN	12,5 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	2,5 km - 2.5 / 5 / 7.5 / 10 km	400 - 500 m
	7,5 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	2,5 km - 2.5 and 5 km	200 - 300 m
	10 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	2 km - 2 / 4 / 6 / 8 km	200 - 400 m
	10 km MASS START	Simultaneous	5	P, P, S, S - 150 m	2 km - 2 / 4 / 6 / 8 km	200 - 400 m
	3 x 6 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km	150 - 240 m
	2.4 - 3.6 km SUPER SPRINT QUALIFICATION	Single , 15 sec	3	P, S (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 2400 m	45 - 75 m
	4 - 6 km SUPER SPRINT FINAL	Simultaneous	5	P, P, S, S, (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 4800 m	60 - 125 m

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YOUTH MEN	12.5 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	2,5 km - 2.5 / 5 / 7.5 / 10 km	350 - 500 m
	7,5 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	2,5 km - 2.5 and 5 km	200 - 300 m
	10 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	2 km - 2 / 4 / 6 / 8 km	200 - 400 m
	10 km MASS START	Simultaneous	5	P, P, S, S - 150 m	2 km - 2 / 4 / 6 / 8 km	200 - 400 m
	3 x 7.5 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2.5 km - 2.5 and 5 km	200 - 300 m
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	4 - 6 km SUPER SPRINT FINAL	Simultaneous	5	P, P, S, S, (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 4800 m	60 - 125 m

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YOUTH WOMEN MEN	2 x 6 km 2 x 7.5 km MIXED RELAY	Simultaneous and Tag w, w, m, m	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km 2.5 km - 2.5 and 5 km	150 - 250 m 200 - 300 m
YOUTH WOMEN	10 km INDIVIDUAL	Single, 30 sec, 1 minute	5	P, S, P, S - 1 minute	2 km - 2 / 4 / 6 / 8 km	200 - 350 m
	6 km SPRINT	Single, 30 sec, 1 minute	3	P, S - 150 m	2 km - 2 and 4 km	150 - 250 m
	7.5 km PURSUIT	Pursuit	5	P, P, S, S - 150 m	1.5 km - 1.5 / 3 / 4.5 / 6 km	200 - 300 m
	7,5 km MASS START	Simultaneous	5	P, P, S, S - 150 m	1,5 km - 1.5 / 3 / 4.5 / 6 km	200 - 300 m
	3 x 6 km RELAY	Simultaneous and Tag	3	P, S (each) + 3 Spare Rounds per Bout - 150 m	2 km - 2 and 4 km	150 - 250 m
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	4 - 6 km SUPER SPRINT FINAL	Simultaneous	5	P, P, S, S, (each) + 3 Spare Rounds per Bout - Penalty = Disqualification	800 m - 4800 m	60 - 125 m

Club-defined Categories

Competition descriptions:

<http://www.coloradobiathlon.org/forms/categories.html>

Policies: <http://www.coloradobiathlon.org/safety.html>

Clinic attendees must be at least 12 years of age by December 31, 2010. Persons aged 12 and below may audit the Certification class for free and use a pellet rifle, but may not use a .22 caliber rifle. All range users under the age of 16 ("under-aged person") must have a parent or assigned responsible adult (at least 18 years old) closely supervise their .22 caliber or pellet shooting activities on a one-on-one basis for practice, certification, training and races. During races when the Red Book Certified under-aged person is using a .22 caliber rifle, the supervising adult or parent must remain in the coaching area. "Closely supervise" is interpreted to mean that the supervising adult must be within 20 feet of the shooting position during the shooting interval. "One-on-one" shall be interpreted to mean that the responsible adult may not supervise more than one under-aged person at the same time. The responsible adult may supervise multiple persons serially and without overlap.

Start Types

- Single
- Group
- Pursuit
- Simultaneous

Start Types

- Individual: Single start
- Sprint: Single or group start
- Pursuit: no standard start interval, time behind winner from qualifying competition
 - Sprint used as qualifying: actual time back
 - Individual used as qualifying: half of time back
- Mass: Simultaneous, all competitors
- Relay: Simultaneous for first runners, hand-over tag for remaining team members
- Competitors must arrive in the start area at least two minutes before their start time

The actual start

Manual Start

- Both feet behind start line
- Start at time listed in start list
- Starter says READY - 10 seconds, and then 5, 4, 3, 2, 1, GO. Early starts will be stopped, late starts normally count against the competitor

Electronic Start Gate

- Stand behind gate
- Start clock will count down from 30 seconds and starts to beep at 3 seconds before start, long beep at 0. Competitor is allowed to start from 3 seconds before to 3 seconds after listed start time (except Pursuit)

Organizations, appointments, and duties

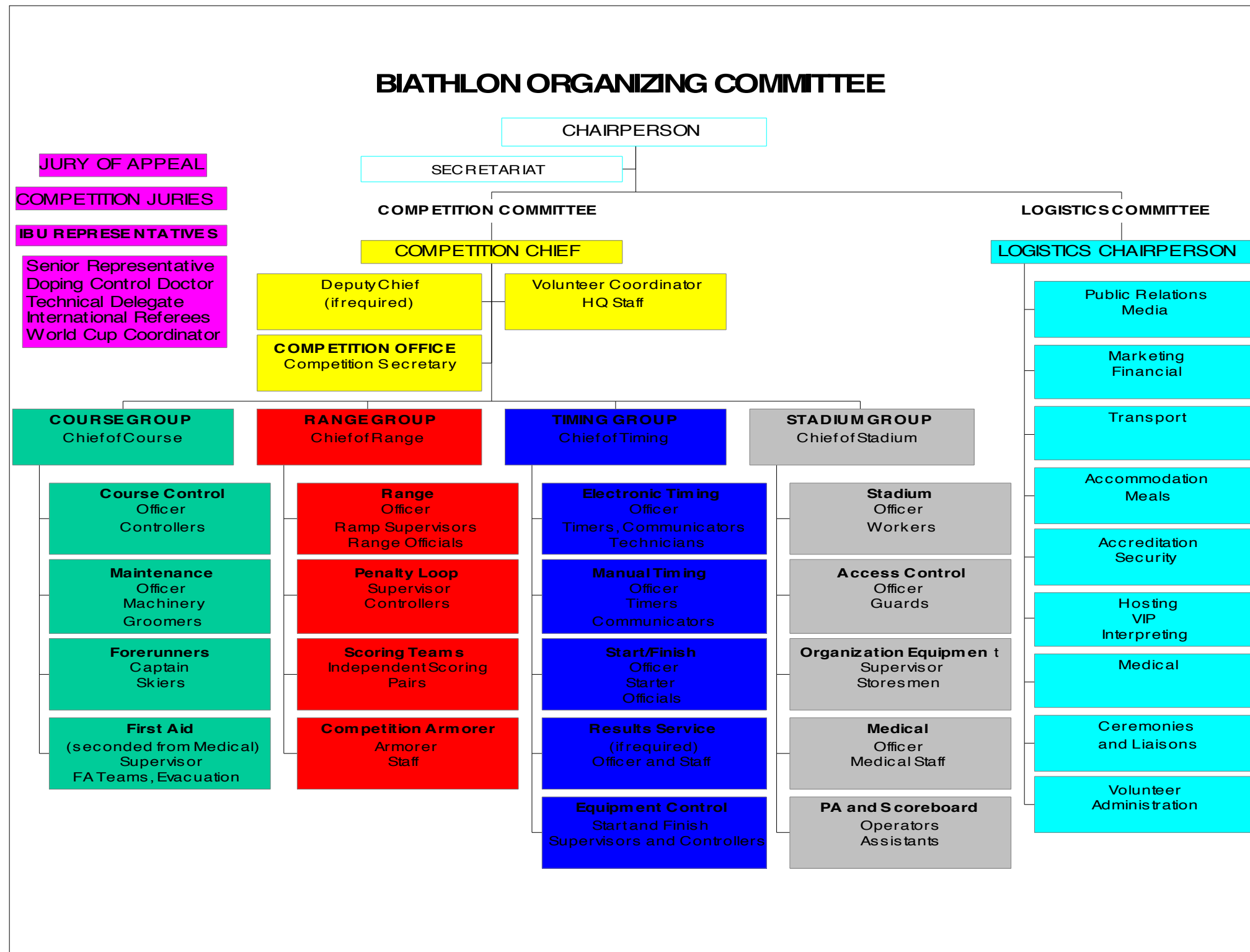
The following organizations and persons are established, elected or appointed to organize, conduct and control biathlon events and competitions:

- Organizing committee;
- Jury of appeal;
- Women's and men's competition juries;
- Race Director, Technical Delegate(s) and International Referees
- IBU EB representative (if applicable);
- IBU Medical Delegate (if applicable).

Organizing Committee (core)

- Competition Office: *Competition Secretary*
- Course Group: *Chief of Course*
- Range Group: *Chief of Range*
- Timing Group: *Chief of Timing*
- Stadium (Support) Group: *Chief of Support (Stadium)*

Organizing Committee



CBC Event Roles

- Chief of Competition
- Range Chief
- Timing Chief
- Course Chief

CBC Chief of Competition

Before race day:

- [Insurance]
- Recruit remaining event staff!
 - Range
 - Course
 - Timing
 - Registration help
- Set up online registration (remind Julia)
- Check with previous event Comp Chief to see if any inventory needs to be replenished (score grids, stickers, waivers, registration forms)
- Get combos to back room and cabinet

CBC Chief of Competition

Before race day (continued):

- Set up tentative schedule
 - 0930 - 1000 race-day registration for 12 and under
 - 1000 - 1030 first zero
 - 1035 Competitor meeting (course review, etc.)
 - 1045 first wave starts
 - 1145 - 1215 second zero
 - 1230 second wave

Adjust as needed for longer competitions, smaller groups of competitors, etc.

CBC Chief of Competition

Race day:

- Review race official lineup and volunteers for that day. Check in with each race official (course, timing, range and registration person).
- Determine spots still needing volunteers and communicate this to the person handling registration so they can ask racers to sign up to fill in the gaps.
- Determine race class schedule (which of men/women/juniors will be first). Decide whether there will be a zero period between classes, whether all classes can start consecutively, etc. Some of this depends on the anticipated volunteer support and the size of the field. Give this race schedule info to the registration person so that they can inform racers as they sign up.
- Post schedule

CBC Chief of Competition

Race day:

- If no registration person, take care of registration activities.
- Distribute bibs (in conjunction with Timing Chief).
Preregistered competitors need to provide waiver in exchange for bib.
- Make a note of which individuals will need to use club rifles, air rifles, won't be carrying rifles, etc. Record this information on the registration summary list. Convey info to range chief.

Post-race:

- Results
- Money to Miles, Julia, or Walter

IBU: Course Group

Responsible for all matters related to the course, including:

- Course layout and configurations
- Manning and operating the course
- Ensuring the orderly conduct of the competition within the Group mandate
- Trail, warm- up loop, penalty loop and ski test area grooming
- Trail marking and signage fencing, and barricading unused trails
- Course control (of competitors)
- Forerunners
- First aid on the course
- Ensuring that all IBU rules are enforced and recording of all violations of rules
- Safety on the course

CBC Course Chief

www.coloradobiathlon.org/forms/

Before race day:

- Decide on courses; confirm availability of trails, conditions and grooming with Nordic Center staff.
- Send course info to Julia for Web site posting if desired.

CBC Course Chief

Race Day

- Flag course?
- Ski loops to double check flagging (recruit helpers)
- Post course maps at warming hut
- Review courses at Competitor meeting (between zero and first wave)

Post-race:

- Pick up course flagging

IBU: Range Group

Responsible for all matters related to the shooting range, including:

- Range layout and configurations
- Manning and operating the range and penalty loop
- Ensuring the orderly conduct of the competition within the Group mandate
- Range grooming
- Targets: painting, adjustments, operation
- Range markings, numbering and signage
- Rifle repair (emergency only), exchange of rifles, replacing lost/ defective ammunition
- Control and supervision of competitors on the range and the penalty loop
- Range scoring and recording, penalty loop recording
- Conducting zeroing and training on the range, including change of paper targets as required
- Ensuring that all IBU rules are enforced and recording of all violations of the rules
- Safety on the range

CBC Range Chief

Before race day:

- Confirm rifles are good to go (pellet, .22)
- Confirm ammunition supplies are adequate (pellet, .22)

On race day:

- Clear snow from metal targets (especially from behind the targets, so that nothing interferes with the target reset).
- Roll out reset lines (attach lines to pellet targets). Test all targets to make sure they're resetting correctly. Note any "off" targets and don't set up those points.
- Paint metal targets if necessary
- Hang paper targets for zero
- Put mats at firing points

CBC Range Chief

On race day:

- Set up spotting scopes/monitor positioning of spotting scopes
-- all scopes must be positioned at the back of the range!
- Announce range is open for zero
- Assign zero lane/paper to competitors as they arrive at range
(use white board or recording scheme of your own choosing)
- Set up/zero club rifles (including pellet rifles if necessary)
- Monitor range safety (keep eyes open for closed bolts, people spending too long at a firing point, not wearing skis, etc.)
- Announce when 10 minutes left in zero, and range closing.
- Remove paper before first competitor starts.
- In conjunction with Timing Chief, get range and penalty loop volunteers in place; answer any scoring/rules questions.

CBC Range Chief

During race:

- Make sure people are manning their assigned scoring positions.
- Make sure targets are reset properly for competition format.
- Be ready with extra rounds for misfires; help (and note, if it affects the racer's time and we need to adjust accordingly) with any rifle/target problems,
- Make sure volunteers are available to assist pellet rifle users and club .22 users.
- Repeat zero period between waves if needed:
 - close range
 - hang new paper
 - assign zero lanes
 - announce range opening and time it will be open
 - close range, remove paper
- Repeat race monitoring duties for each class of racers

CBC Range: Scoring

SCORER: _____ TIME: _____ ☐ PRONE

BIB #: _____ LANE: _____ ☐ STAND

○ ○ ○ ○ ○ MISSES:

NOTES: _____.

CBC Range Chief

Post-race:

- Close range for the day (announce that range is closed).
- Cleanup: roll up reset lines, clean up all paper, return mats to warming hut, pick up brass.
- Collect club rifles, clips and ammunition and store them in back room cabinet in warming hut.

IBU: Timing Group

Responsible for all matters related to time-keeping, records of the competition and control of competitors in the start and finish areas, including:

- Ensuring the orderly conduct of the competition within the Group mandate
- Electronic timing
- Manual timing
- Compiling of records sent by other Groups
- Production of Intermediate and Interim Results
- Control and supervision of start and finish
- Control and supervision of Relay hand-over zone
- Operation of photo-finish camera and video at finish
- Ensuring that all IBU rules are enforced and recording of all violations of the rules
- Providing information to the public announcer and information board operator
- Supporting the Competition Office for draws and team captains meetings

CBC Timing Chief

- Help with race-day registration (12 and under only).
- Prepare start list (preregistered competitor list from Julia)
- Post a start list at the range if possible.
- Distribute bibs. Need to get a waiver in exchange for bib from preregistered competitors.
- Hang up score grid
- In conjunction with Range Chief, locate all range and penalty loop volunteers. Review scoring and rules for new volunteers. Recruit runners to transfer stickers from scorers on the range to the score grid.
- Ensure that penalty loop counter and all scorers and target pullers are in place before first starter.
- Give first call for start
- Start competitors; record bib numbers and start times.
- Record bib numbers and finish times.
- Record all timing information on score grid.

CBC Timing: Recording Scores

bib #	start time	shoot #1	penalties	shoot #2	penalties	total penalties	finish time	ski time	adjustments, notes	final time
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				
			scored actual		scored actual	scored actual				

CBC Timing Chief

Post race:

- Make sure bibs are returned and hung up in back room of nordic center.
- Figure final placement considering range holds and infractions,
- Post results; consult on any protests as jury member.

IBU: Stadium (Support) Group

Responsible for all support functions related to the competition, primarily in the stadium area, including:

- Control and supervision of start and finish equipment check points, including safety
- Stadium layout and configurations
- Manning and operating all support functions
- Stadium grooming, marking and signage
- Preparation and updating of all information boards
- Preparation, care and cleanliness of all stadium facilities, including team waxing huts and toilets
- Organizer's equipment storage and issue
- Access control
- Traffic and parking control
- Public announcing
- Operation of the electronic information board
- Medical and first aid in central area, casualty evacuation
- Ensuring that all IBU rules for the stadium area are enforced

Competition Juries

Composition at IBU events:

- a. the IBU TD as chairperson;
 - b. the Competition Chief;
 - c. the Course IR;
 - d. two team officials elected by the team captains from two different NFs.
- Composition may differ at Continental Championships, Continental Cups, and Regional Cups
 - The RD/Asst. RD will be present at all meetings but does not have the right to vote.
 - Only one person from one and the same NF or with the same nationality may be a member of a competition jury at the OWG and all IBU events except CCH and CC.
 - At the OWG, the RD will serve as Asst. TD. At other international competitions, the members of the competition jury will be decided by the OC and the team captains of the participating federations.

Jury of Appeal

- One Jury for the event
- Five members, Official IBU Representative is Chair
- Jurisdiction only to handle protests about disciplinary decisions made by the Competition Juries

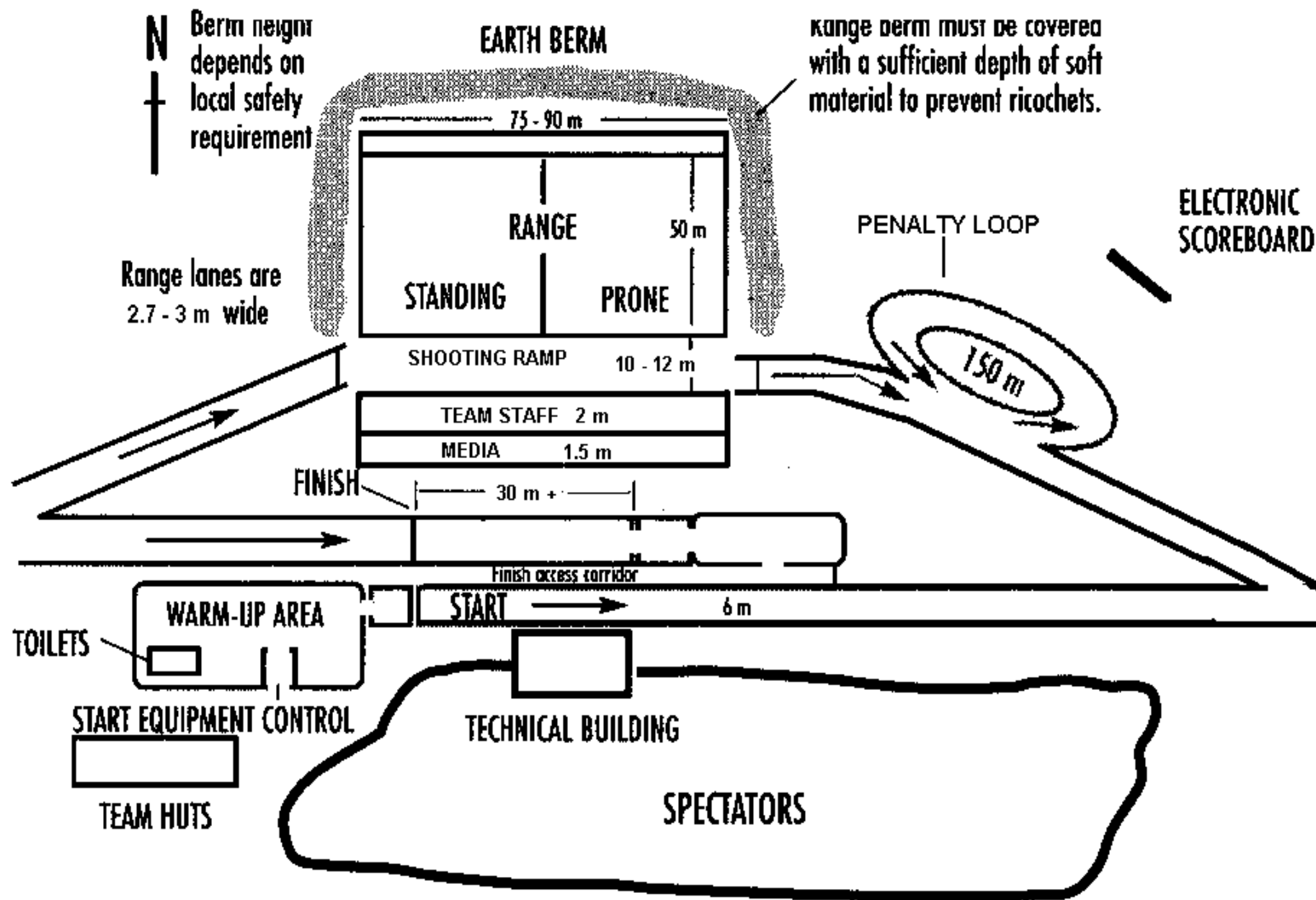
Composition:

- Official IBU (USBA) Representative - Chair
- Any other IBU (USBA) Executive Board members present at event
- Elected Team Captains as required

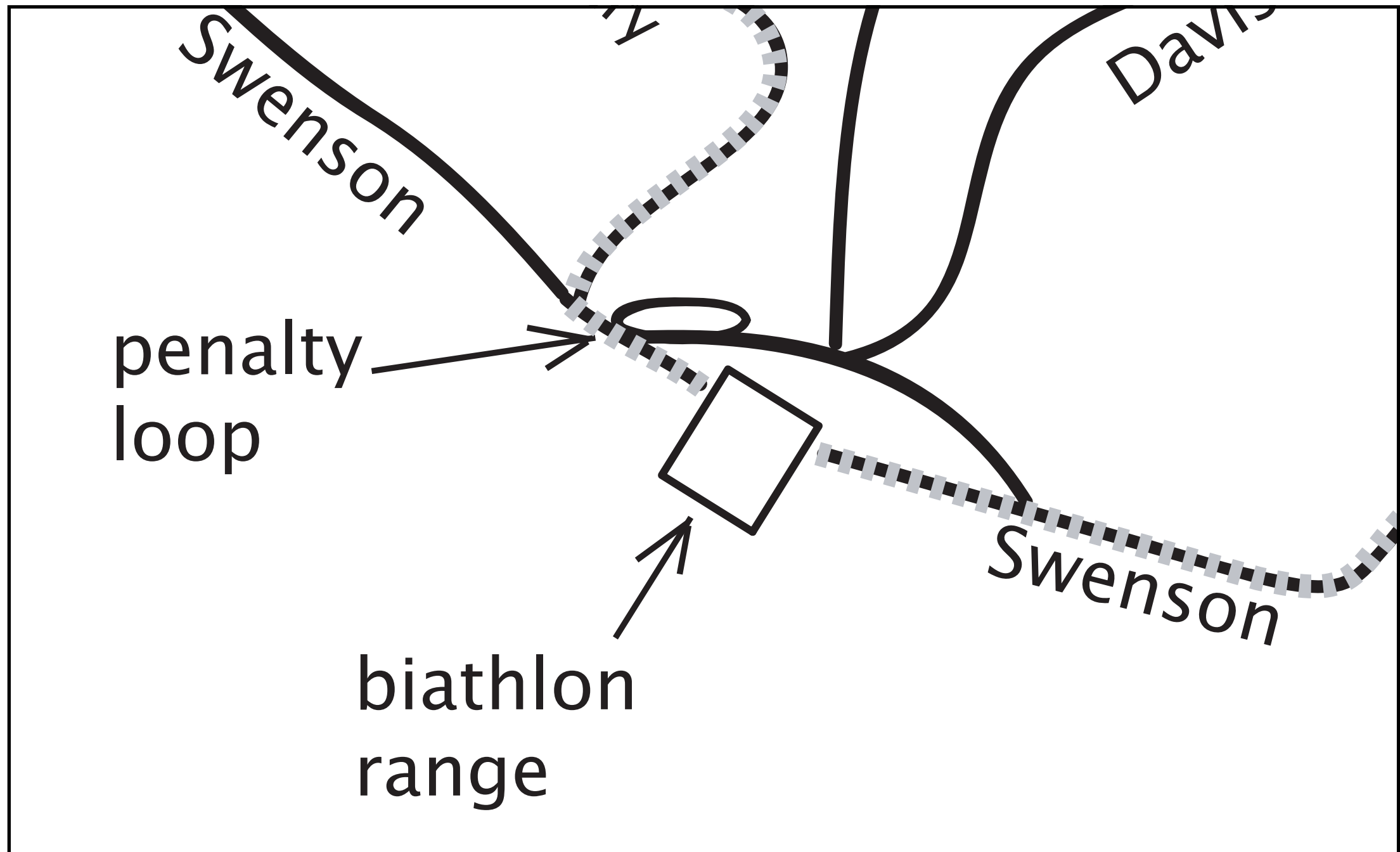
Facilities: Example

EXAMPLE OF A SIMPLE BIATHLON STADIUM

NOT TO SCALE



Facilities: Snow Mountain Ranch



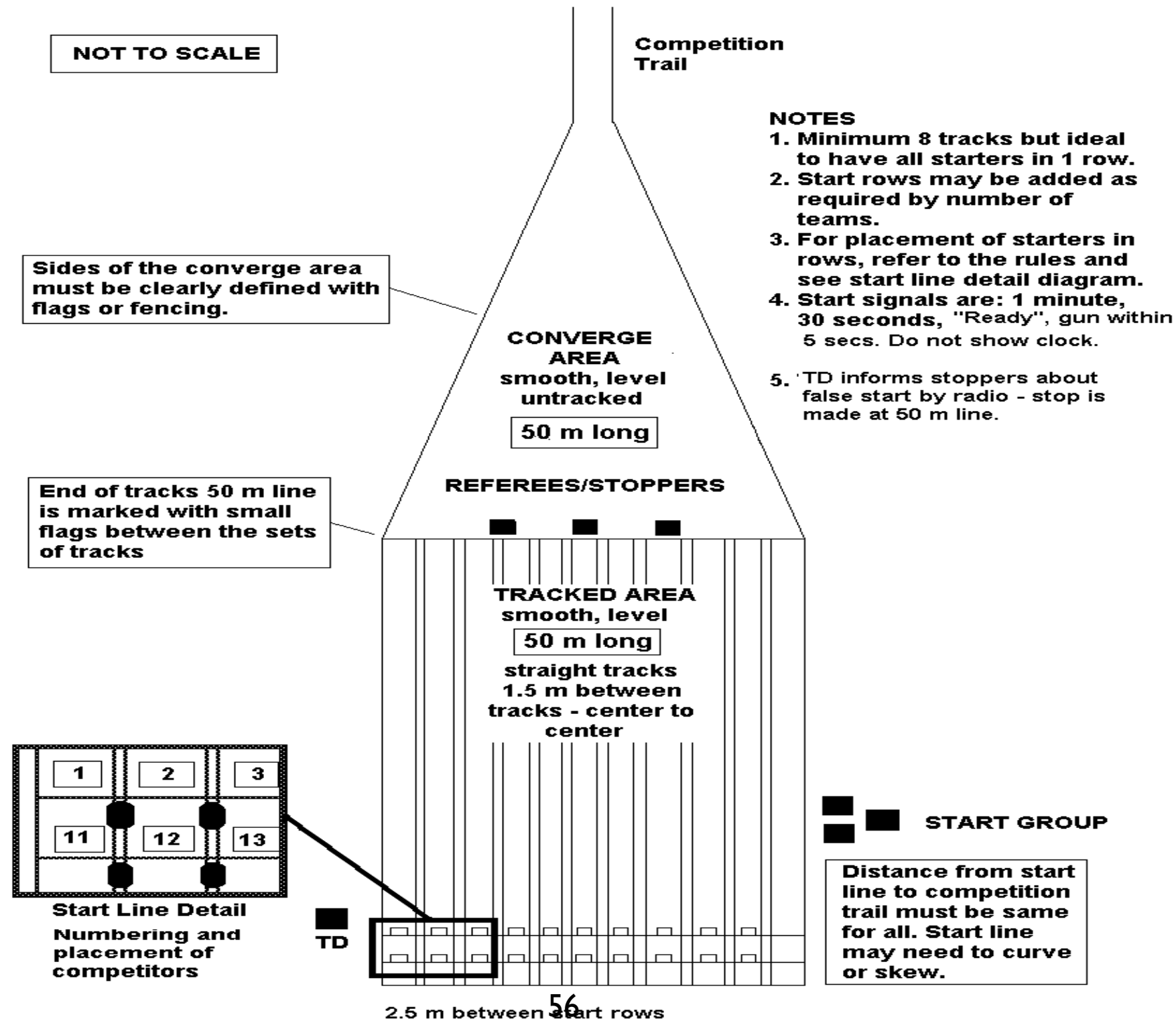
IBU Competition Venue Requirements

The competition venue must be no more than 30 km or 30 minutes' travel and should not be more than +/- 300 m in altitude from the teams' living accommodation, unless otherwise approved by the IBU EB.

Max altitude: 1800 m above sea level

Simultaneous Start Area

EXAMPLE SIMULTANEOUS START AREA FOR RELAYS AND MASS START COMPETITIONS WITH ARRANGEMENTS



Simultaneous Start Area

- The start area must be laid out so that all the competitors are required to ski the same distance until they reach the common course.
- A minimum of ten straight, parallel sets of tracks, with a minimum of 1.2 m between each set of tracks (center to center) must be set for a minimum of 30 m from the start line.
- The number of start tracks will depend on the space available and the number of relay teams entered, with the objective of having the fewest possible start rows.
- Distance between rows must be 5 m.
- The end of the parallel tracks must be clearly marked.
- After the first parallel-tracked section there must be a further 50 m of straight, level and smoothly groomed, trackless, gradually converging area that leads to the competition course.

Super Sprint Start

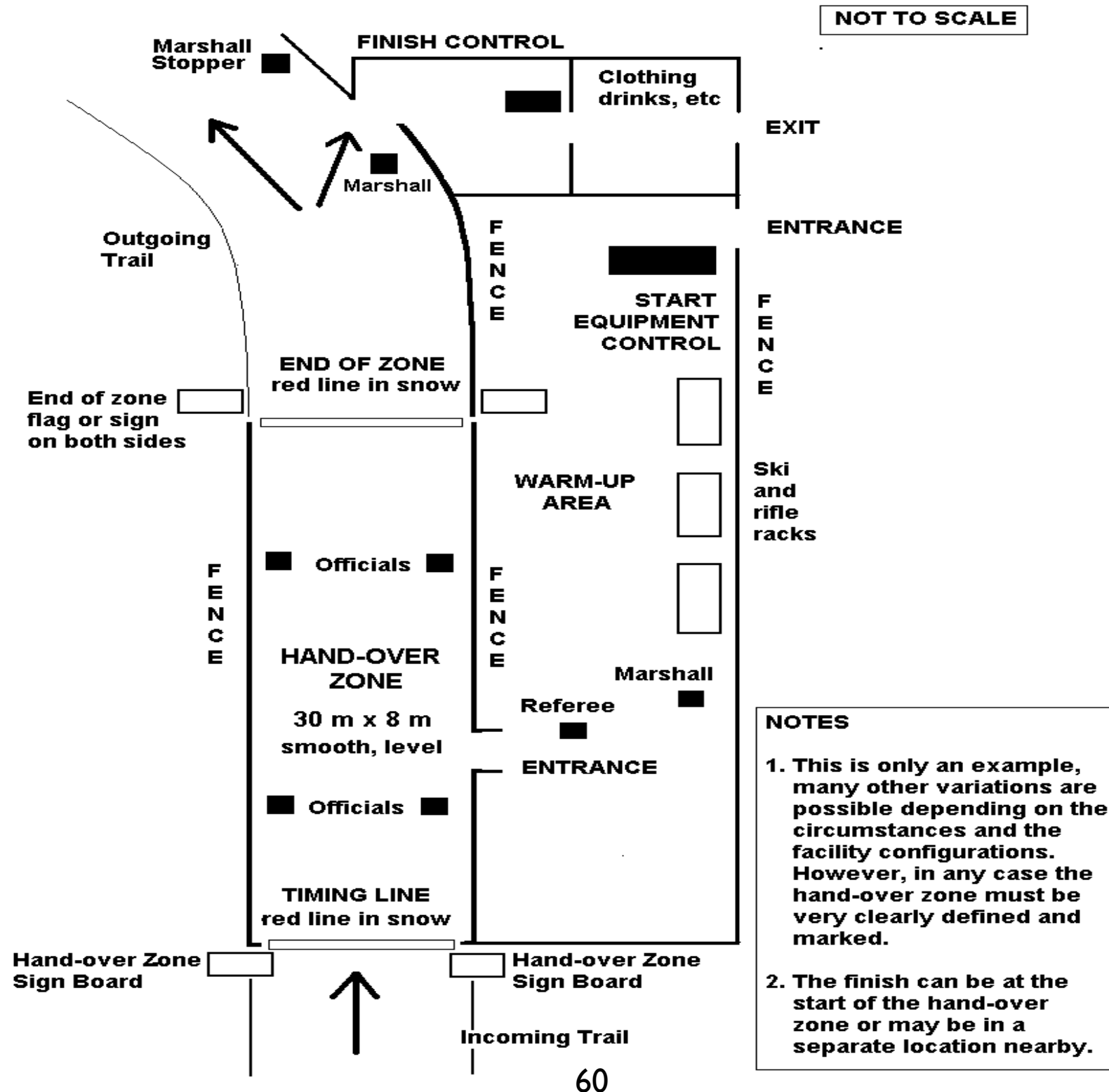
- The distances between the different starting rows must be five meters, with three meters between the starting tracks.
- In the first 20 meters after the start, the start tracks must not be changed by the athlete.
- After 20 meters, the skating technique may be used.
- The start lanes must be numbered from the competitors' right to left.

Relay Hand-Over Zone

- 30 m long and 9 m wide, at the end of a straight trail section placed in such a way that incoming competitors will arrive at a controlled speed.
- The last 50 m of the trail before the zone must be at least 9 m wide.
- The hand-over zone must begin at the timing line or at least close to it.
- The beginning and end of the zone must be marked with a red line and with a sign at the beginning: “Hand-over zone.”
- The zone must be fenced along both sides, with one access gate for controlled entry by starting competitors.
- The hand-over zone may only be entered by the incoming and outgoing competitors and by the officials responsible for supervising the hand-over zone.
- At 100 m before the hand-over zone there must be a sign board indicating “100 m.”

Relay Hand-Over Zone

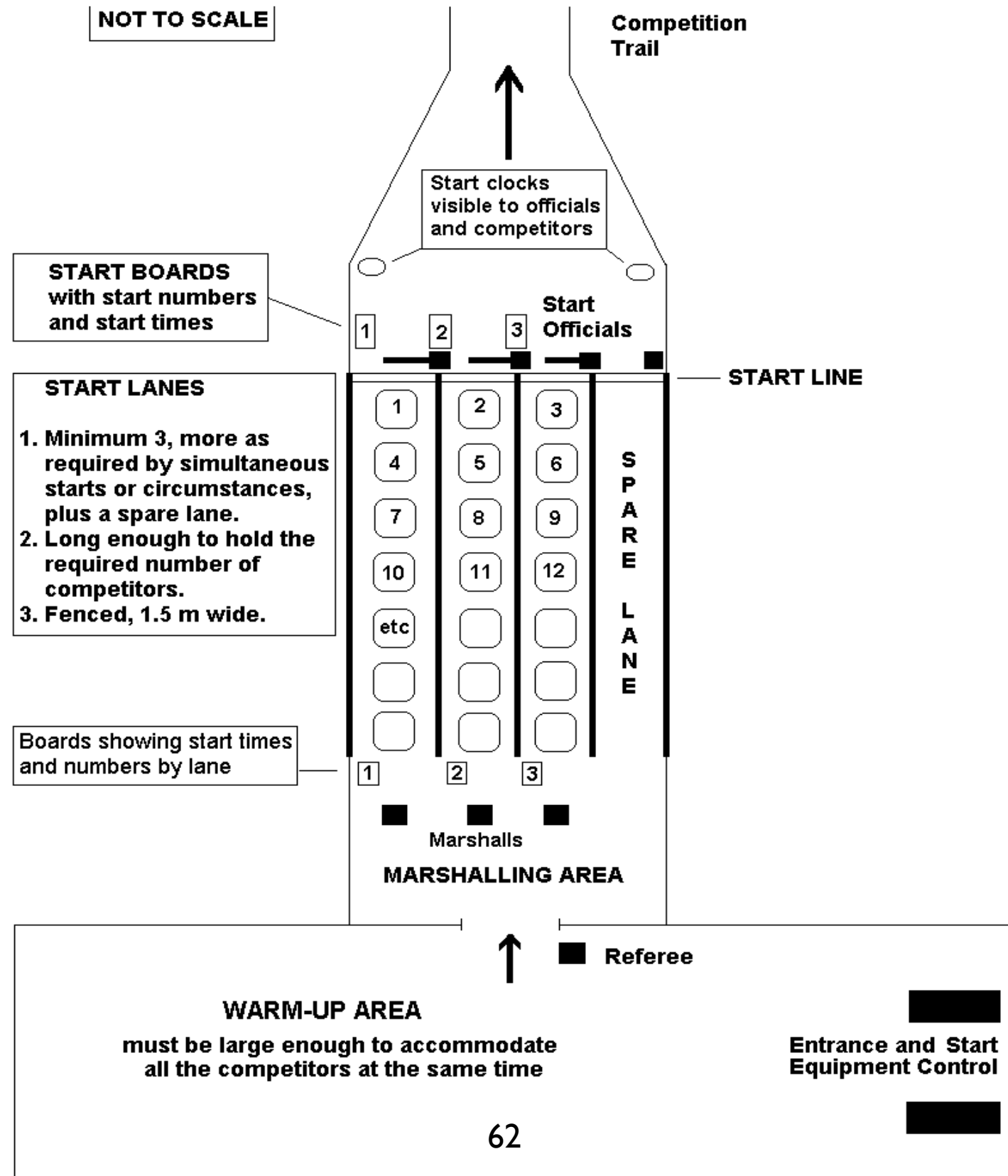
EXAMPLE RELAY HAND-OVER ZONE and ARRANGEMENTS



Pursuit Start Area

- The start area for the pursuit competition must have a minimum of four start lanes.
- The actual number of start lanes will be determined by the number of simultaneous starts in the start list. If there are five starts in the same second, then there must be five start lanes, etc.
- The start lanes must be numbered from the competitors' right to left, 1.5 - 2 m wide and sufficiently long to hold the required number of competitors.
- A common start line must cross the end of the start lanes.
- The lanes must be parallel to each other and must be clearly separated.
- There must be a separate passage or lane that allows access across the start line in the case of late starts. This lane must be supervised by a start official with a stopwatch synchronized to the competition time.
- A transponder timing point and video camera must be installed 1.5 m after the start line to record the relative start time of each competitor in case of early start.

Pursuit Start Area



Course Specifications

www.coloradobiathlon.org/forms/

- General: Changing terrain, no extremely long difficult climbs, no dangerous descents, changes should not break rhythm
- Width: 6m (4m for maximum 50m), plus width for coaches and TV. May be wider at steep sections.
- Length deviation: 2% shorter or 5% longer
- Maximum grade (mg): the maximum grade at all competitions must not exceed 25 percent.
- Tracks: If required, TD directs.
- Safety: Full speed without risk.
- Grooming: Level, packed, not frozen, clear of obstructions.
- Finish sign: Finish - 100m
- Range sign: Range - 100 m
- Fencing or v-boards so no possibility of error

Course Specifications

The course must be uniformly marked on the most visible side in the skiing direction by colored sign boards.

- 1.5 km course: orange
- 2 km course: red
- 2.5 km course: green
- 3 km course: yellow
- 3.3 km course: blue
- 4 km course: brown.

Junctions must be clearly marked with course colors.

Running along side: 50m max; not within 100m of range or last 100m before finish.

Penalty Loop

- For the sprint, pursuit, mass start and relay competitions, a penalty loop must be set up immediately after the shooting range
- No further than 60 m skiing distance from the right edge of the range to the entrance of the penalty loop.
- The loop should be an oval trail 6 m wide and 150 m (+/- 5 m) long, measured along the inside perimeter of the loop.
- The opening must be at least 15 m long.
- The penalty loop must be marked off with V-boards, set up so close together that competitors have no chance of mistaking the entrance/exit.

Range Specifications

- The shooting ramp is divided into shooting lanes from which one competitor at a time will shoot.
- Every shooting lane must be at least 2.75 m but not more than 3 m wide.
- The width of the lanes must be marked on both sides of the shooting ramp from the front edge for a distance of 1.5 m to the rear with a red-colored board sunken into the snow so that it is 2 cm below the snow surface.
- There must be a minimum distance of at least 3 m between the outer edge of the left and right lanes and the start of the safety berms they adjoin. This distance must be maintained from the ramp to the targets.
- Zone of silence: 10 m from left and right shooting lanes (Does not apply to spectators!)

Range Specifications

- Numbering starts at right with 1. Right half of range for prone, left for standing (offhand) shooting).
- Minimum 30 targets at WC; 24 at Canadian Championships.
- Shooting distance 50 m (+ / - 1 m)
- Sideways deviation: 1 degree. Center target in center of lane.
- Target center height: 80 to 100 cm above level of firing point
- Background white from bottom of target to 1 m above
- Ramp totally snow covered, no ice, level, smooth
- Wind flags: every second lane beginning at right side of lane 1, 5 from ramp and and 20 m from targets
- Both sides of each lane must be marked from the ramp to the targets with seven (7) T-posts max. 20 cm wide by 15 cm high, in alternating colors matching the background color of the target numbers that clearly define the lanes but do not interfere with shooting.
- Relay cups: 1 m high

Range Specifications

- At the rear of the range there must be a fenced off area of 10 to 12 m width (shooting ramp), measured back from the front edge of the firing line, and extending along the entire back of the range. The area is to be reserved for competitors, officials and members of the juries. However, if authorized by the RD/, other persons such as TV camera crews may be allowed in this area.
- Directly behind that area there must be a second fenced area of at least 2 m width reserved for three team staff members per team. This area must be configured so that the team staff members have good visibility of the targets and the shooting ramp area. Reserve rifle racks: center, 2 rifles per team.
- Behind the coaches area there must be an area 1.5 m wide, extending the width of the range, reserved primarily for the media.

Range Specifications

- The shooting lanes and the corresponding targets must each have the same number, easily visible, and beginning from the right with number 1.
- At all IBU events the shooting lanes must be numbered on the left and right side at the front edge of the shooting ramp.
- The number signs at the shooting ramp must be placed so that they do not obstruct TV coverage of the shooting competitors.
- Both the target and shooting lane number signs must be in alternating colors - black on yellow and yellow on black - starting at number 1 with black on yellow and matching the t-post lane markers.
- For shooting in both the prone and standing positions, mats must be placed at the front part of each shooting lane on the shooting ramp. For all IBU events, the mats must be 200 cm x 150 cm and 1 to 2 cm thick, and must be made of synthetic or natural fibers with a non-slip surface.

Finish Area

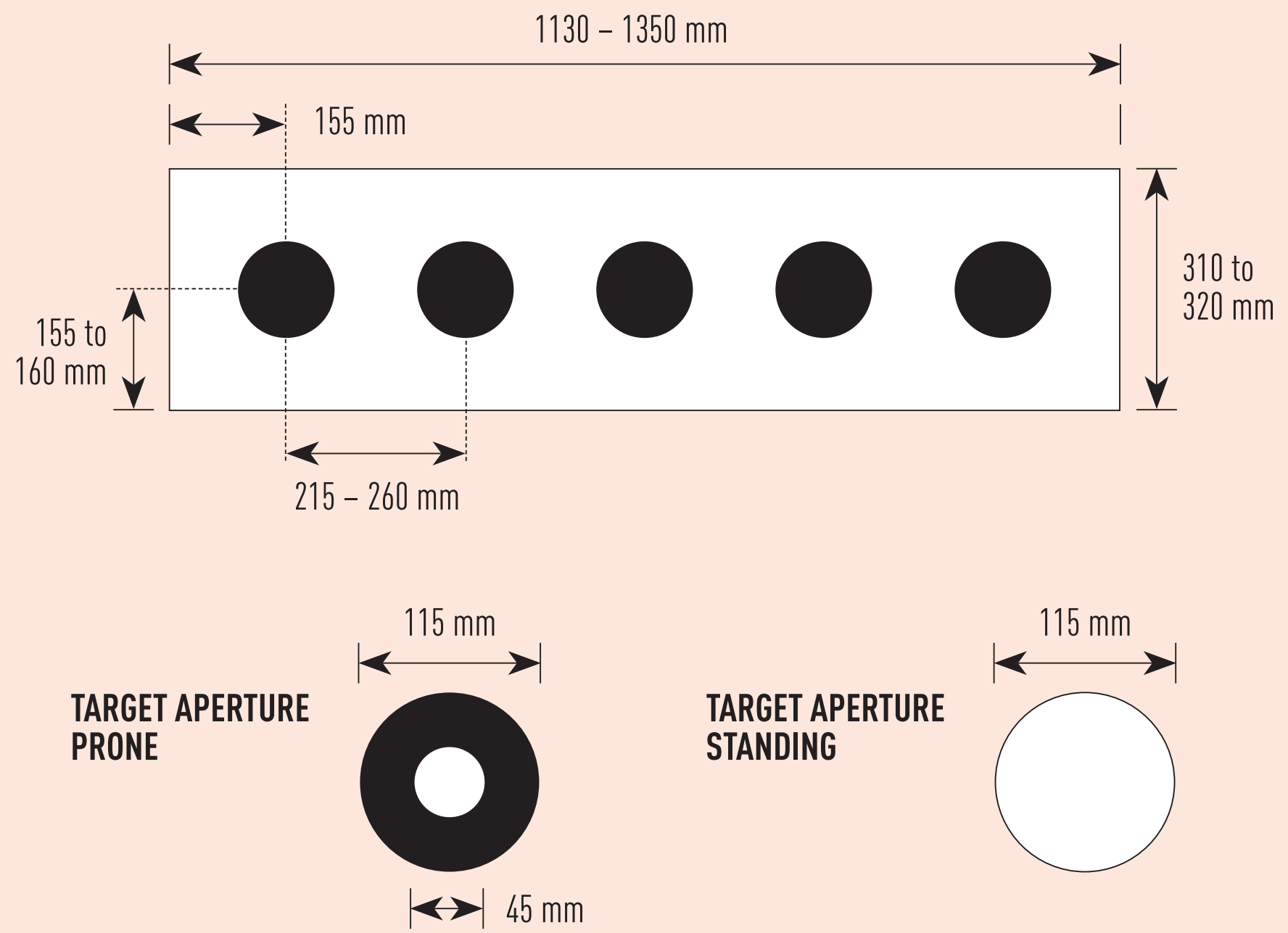
- The finish zone begins on the competition trail at the finish line and ends at the finish equipment/materials and clothing inspection point.
- It must be at least 30 m long and 9 m wide without obstruction.
- The last 50 m before the finish line must be straight and 9 m wide, and divided into three equal lanes with markers that do not interfere with skis.
- Only officials, finishing competitors and specially authorized TV personnel under the supervision of the Start/Finish IR are permitted in the finish zone.

Targets

- ◉ Two kinds of targets used: metal, paper
- ◉ Aiming size vs. scoring size
 - Standing:
 - aiming 115 mm
 - scoring 115 mm
 - dotted line at 110 mm on paper targets
 - Prone
 - aiming 115 mm
 - scoring 45 mm
 - dotted line at 40 mm on paper targets

Metal Targets

TABLE 2 STANDARD DIMENSIONS FOR METAL TARGETS



Metal Targets

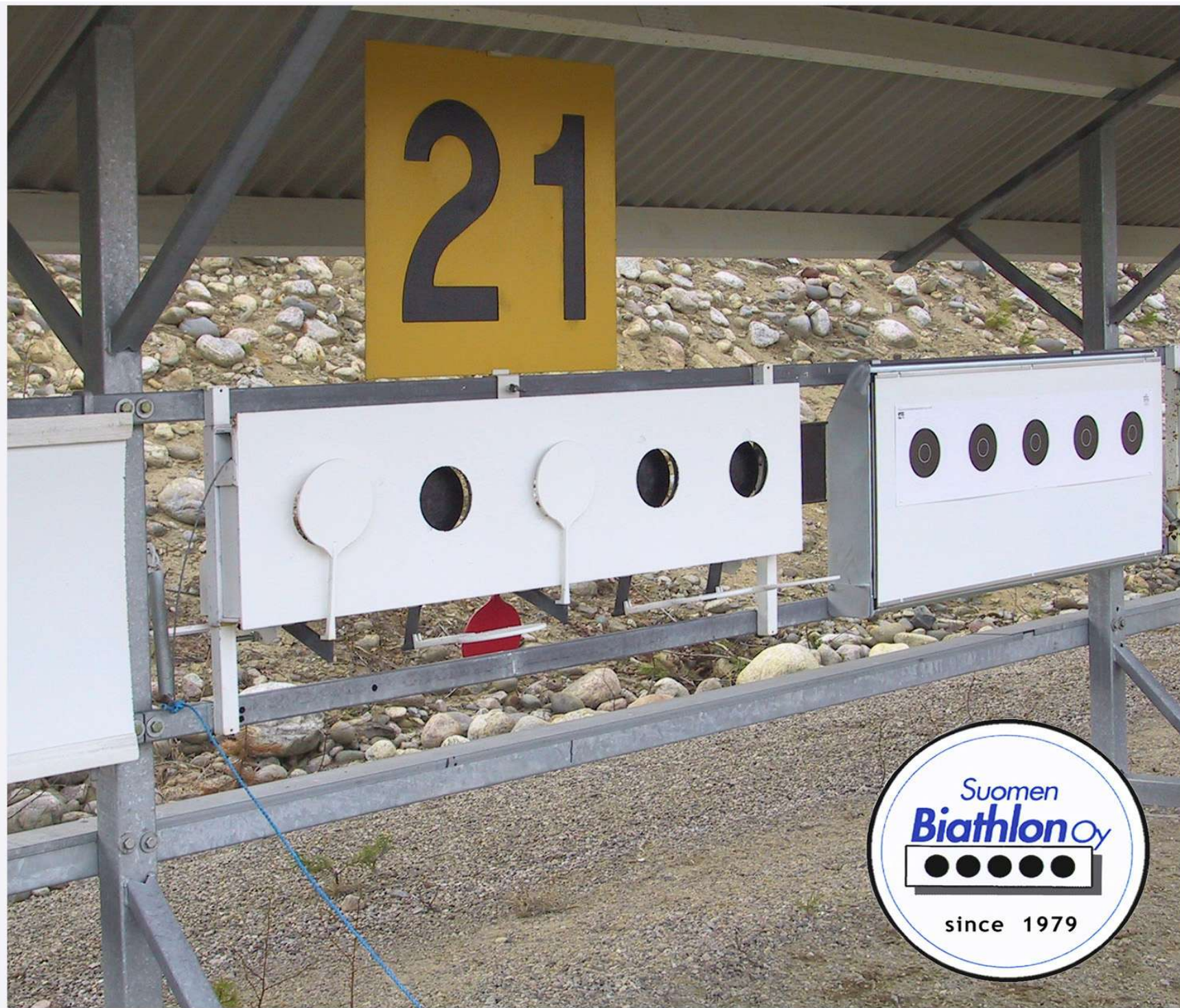
KURVINEN

- Mechanical, but full electronics can be attached.
- Principle is a metal plate which falls backward when hit causing white flap to operate and sends electronic scoring signal.

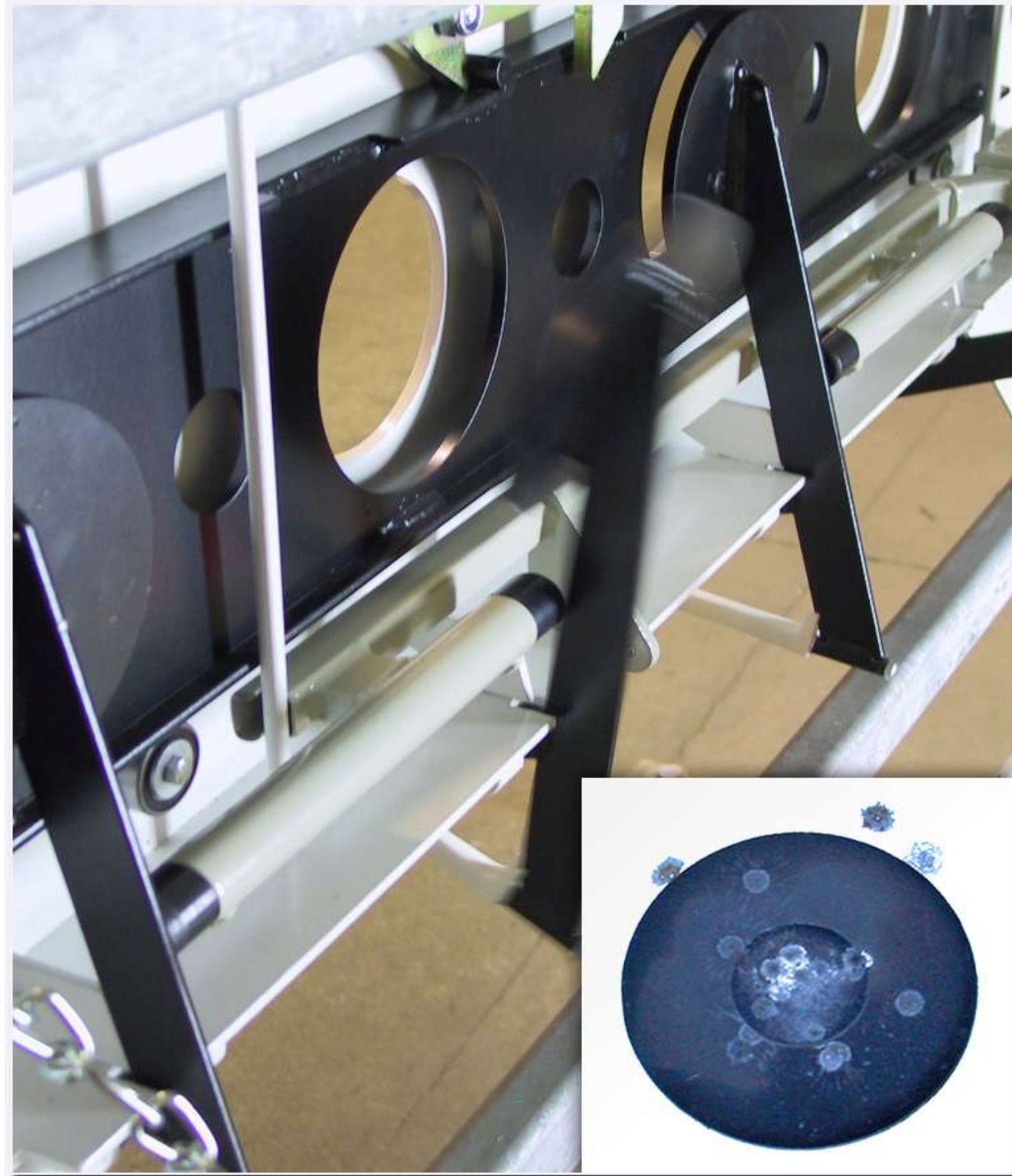
HoRa

- Electronic operation only.
- Principle is a plate which converts bullet impact to an electronic impulse and causes white flap to operate and send electronic scoring signal.

Kurvinen Example



Kurvinen Example



HoRa Data Example

P	1S	2S	3S	4S	5S	ShTm	Rnk	RunTm	Rnk	Total time	Rnk	Sht.img.	L	M	La
---	----	----	----	----	----	------	-----	-------	-----	------------	-----	----------	---	---	----

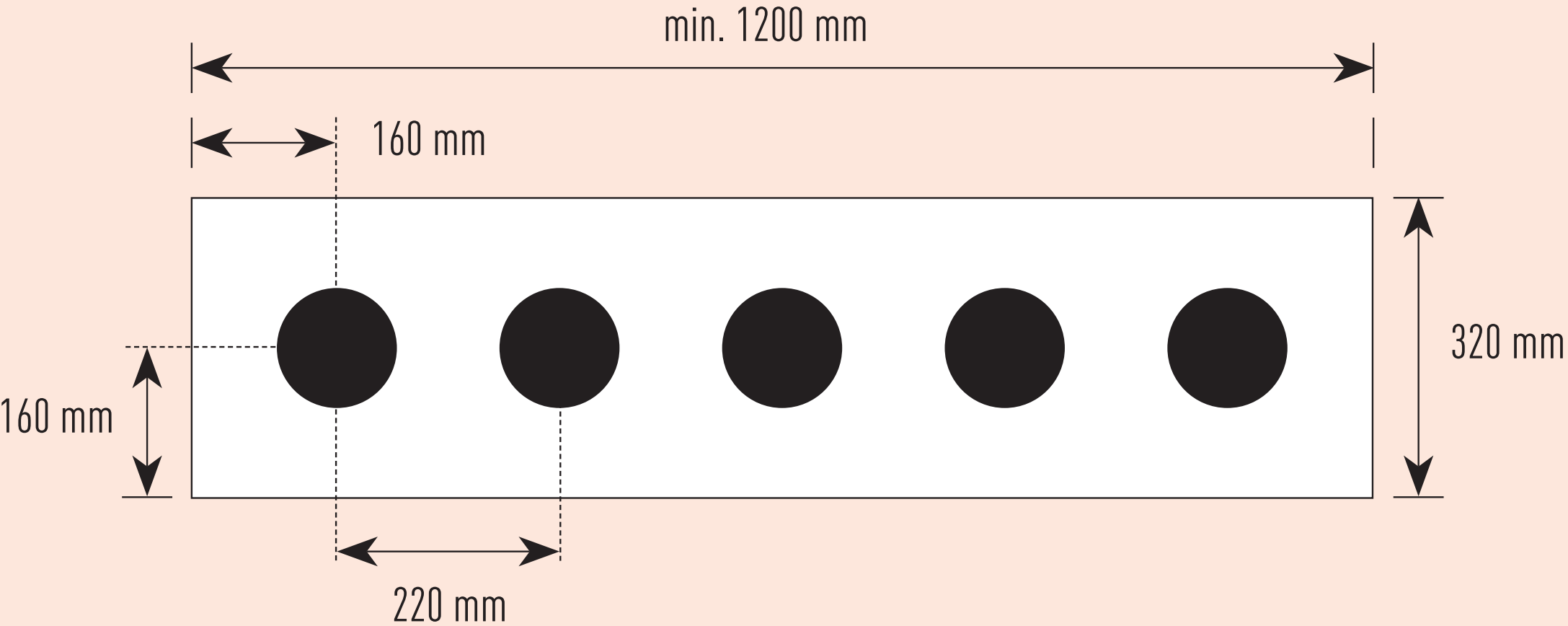
29 BURKE Tim

USA

1	17.1	2.3	<u>2.3</u>	2.4	2.3	00:29.3	26	00:07:41.4	29	00:08:10.7	28	①②●④⑤	1	P	2
2	<u>20.0</u>	<u>2.0</u>	4.8	5.0	1.5	00:35.9	75	00:08:29.8	24	00:09:05.7	26	⑤④③●●	2	S	17
3						01:05.3	60	00:16:11.2	22	00:18:00.5	40	(+22s/Fehl)			

Paper Targets

TABLE 3 STANDARD DIMENSIONS FOR PAPER TARGETS



Registration

Notice of Intent to Participate at Events: There are two separate notices which must be given - registration (by *number* and by *name*), and entry.

OWG: as set by IOC

WCH, Y/JWCH: 2 months/14 days

WC: 1 month/14 days

Canadians: 1 month / 7 days

Entry

- Notice of competitor or team being entered to start in a specific competition.
- Must be in writing, at least **two hours** before draw for all IBU events.
- Entry for team participation in the Relay must be made not later than two hours before the team captains meeting for the competition or the draw, as applicable. Names of Relay competitors in start order must be submitted by 1600 hrs of the day before the Relay competition.
- Entries for the Pursuit are not required as all competitors who qualify for the Pursuit in the qualifying competition are assumed to be entered.
- Super sprint entry based on invitation from organizing committee

Event Components

- Unofficial training
- Official training
- Team Captains meeting(s)

Official Training

- At all IBU events, the competition facility and courses must be open for inspection and official training at least once before the first competition.
- The facilities and courses must be prepared as for the competition and the training must be held at the same time of day as the competition itself.
- Each subsequent competition should also be preceded by official training unless it is not possible in the event program, or due to other circumstances.
- After 20 minutes, metal and paper targets will be used and the choice of shooting lanes will be free, until the end of the training period.
- When the metal targets are opened for mass start, relay and pursuit official training, the odd-numbered shooting lanes will be set to prone and the even-numbered lanes will be set to standing.

Team Captains Meeting(s)

At each biathlon event, meetings must be held for the team captains to elect the juries, conduct draws and to pass on information about the event and the competitions. The first meeting must be held at the latest on the day before the first day of official training in order to elect the jury of appeal and the competition jury. In regard to further meetings at the event, the dates and times will be dictated by the time required to conduct the draws. The Competition Chief will chair the meetings.

The Draw

- Assignment of start numbers for the Individual, Sprint and Relay competitions by random draw, manually or computer.
- Intent: a fair spreading of the members of each team throughout the field, for weather and snow conditions.
- The draw must be done 15 - 24 hours before the competition.
- For the Individual and Sprint, competitors are placed into draw groups by their team captains, normally one in each.
- Number of draw groups is normally four but if the number of competitors is 60 or less: 3, and 40 or less: 2.
- Special rules apply to more or less competitors than draw groups.
- The Relay draw assigns the start track and shooting lane for the team and does not necessarily have to be done within the stipulated times.

The Draw

- Shooting lanes 1-5 will be allocated by random draw among the top 5 countries participating, and shooting lanes 6 -10 allocated among the countries participating ranked 6-10, etc.
- The previous year's Nations Cup Score will apply in the first trimester, then the current score updated daily will apply.
- The mass start competition entries will consist of the top 25 competitors in the current WC Total score and the remaining 5 competitors will be filled in, in rank order from the points they have acquired at the current WC event.
- If the last qualified competitors are tied, the one with the best WC Total score will qualify.
- If competitors are missing from the top 25, they will be filled in from the current WC Total score list in rank order.
- Start numbers will be assigned based on the list standings with the top ranked competitor receiving number 1, the second number 2, and so on.

Zeroing

- Sighting-in of rifles just before the competition
- Time allocation must be 45 minutes, beginning one hour before and end no later than 5 min before first start.
- May be shorter for pursuit, mass start and relays, but must be at least 30 min long and end 15 min before the start
- Paper targets at same level as competition targets; second row (if needed) below
- Paper change at 20 min if needed; only top row of paper
- Paper change time is part of the total zero time
- Each team has at least one paper target with 5 targets
- Coach scopes each team member onto target, usually by radio.
- Athletes ski a short loop around back of range during zeroing

Equipment Control

- Reserve rifle(s) in rack before first competitor starts
- Equipment control must open 15 minutes before zeroing
- Start Control Inspection
 - At least 15 minutes before his/ her start time, competitor is responsible, cannot start without inspection
 - Wearing his/ her start number;
 - Rifle is safety checked, weight, trigger resistance, dimensions and shape, advertising, serial number is recorded, rifle is marked
 - Skis and poles are checked, skis marked
 - Clothing, other equipment inspected for correctness, advertising

Equipment Control

Final Check 1 to 2 Minutes to Start

- start number, advertising
- open and close bolt, no live round in chamber or magazine

Finish Control

- no live round in chamber or inserted magazine
- trigger resistance (500 gm), normally a spot check as set by TD
- skis and poles at least one ski marked

Equipment Control: Skis and Poles

- OK to exchange one ski
- Unlimited pole changes
- Min ski length is competitor height - 4cm
- No max length
- Min ski width 40 mm, no max
- Min ski tip width: 30mm
- Ski tail \leq 3cm above surface
- Pair of skis \geq 750 g, without bindings
- No difference between left and right ski
- Poles: not longer than competitor height
- Handgrip must be permanently attached to shaft

Equipment Control: Ammunition

Only international standard .22 inch (5.6 mm)-long rifle rim-fire ammunition may be used. The bullets must be made of a uniform substance, lead or a similar soft material such as a lead alloy. The weight of the bullet is to be between 2.58 and 2.61 grams.

The muzzle velocity must not exceed 380 m/s, measured 1 m after leaving the muzzle.

Equipment Control: Rifles

Rifle bags must provide a window of minimum 15 x 15 cm that allows a clear view of the rifle bolt.

The authorized types of rifle actions are as follows:

- a. the common bolt system;
- b. pistol grip cocking;
- c. straight pull action;
- d. straight pull action with ball-bearing locking.

Rifles used in competitions must meet the following specifications:

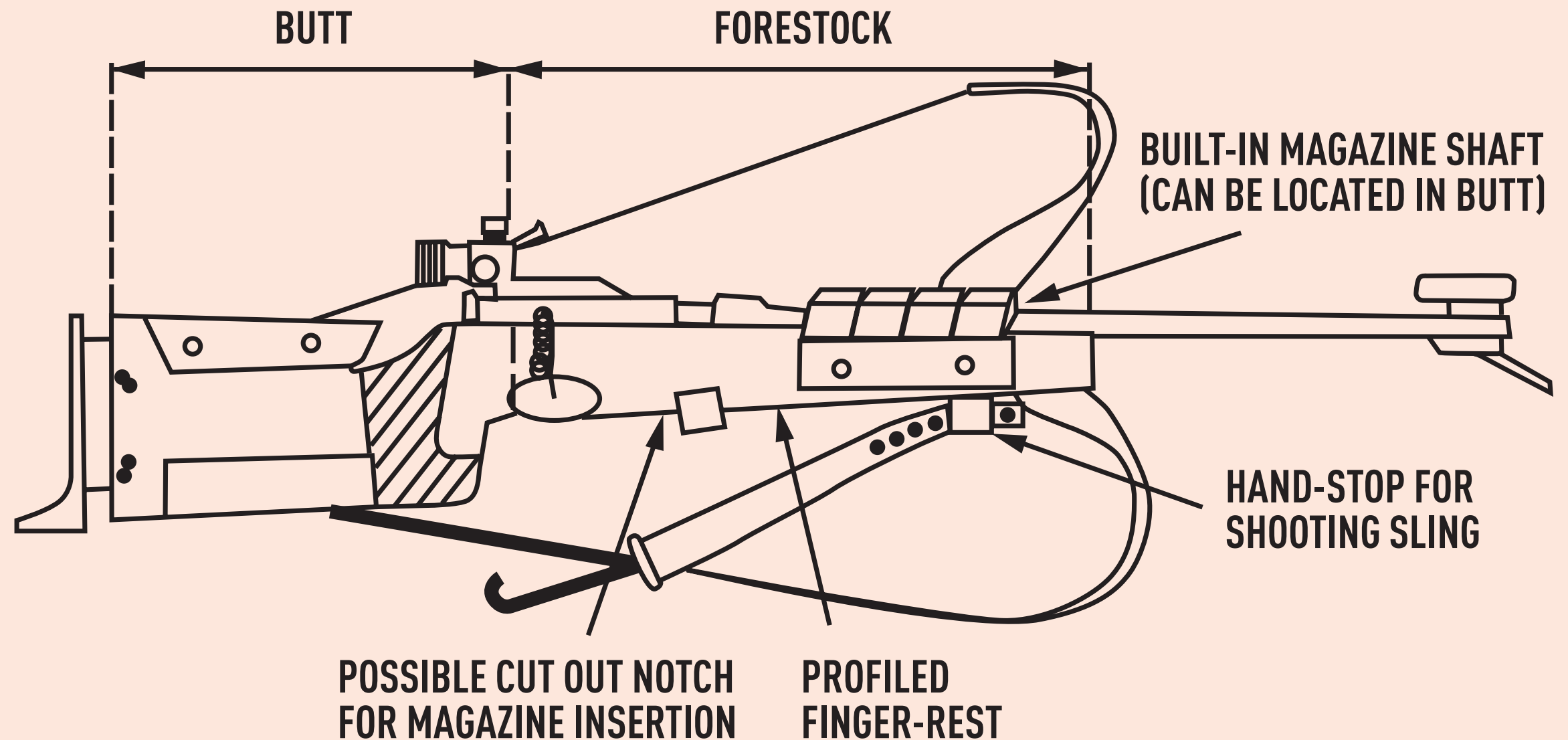
- a. The distance between the center-line of the barrel and the lower edge of the forestock, including magazine and trigger guard, must not exceed 120mm
- b. The thickness of the cheek piece must not exceed 40 mm;
- c. A folding stock is not permitted;
- d. The sight system may not have any optical device and may not have a magnifying effect. The insertion of optical lenses into the eye for this purpose is also prohibited;
- e. The caliber of the barrel must be 5.6 mm (.22 inch rifle);
- f. The trigger resistance must be a minimum of 0.5 kg;
- g. The trigger must be surrounded by a rigid, closed trigger guard;

Equipment Control: Rifles

- h. The rifle may have a sling and must have a carrying harness. The width of the sling and cuff must not exceed 40 mm;
- i. Including all accessories – except magazines and ammunition – the rifle must not weigh less than 3.5 kg;
- j. The magazines must not permit the insertion of more than 5 rounds. For the relay competition, three spare rounds may be carried in a magazine installed for that purpose, or in a special quick release device. However, a spare round may not be carried in the chamber. The magazines may be carried in the forestock or the butt.
- k. The advertising attached to the rifle must be in conformity with current IBU regulations;
- l. On both sides of the forestock, a smooth – meaning flat or nearly flat – rectangular IBU marking surface must be kept free of other markings and reserve ammunition: 15 cm in front of the trigger or the bolt handle or the front end of the trigger guard (the competitor may choose), over the entire width of the stock and at least 4 cm high. Alternatively, the bolt handle or the trigger guard may extend into this area; however, not so far that the IBU rifle control sticker is covered up or cut off.

Rifle Example

TABLE 1 BIATHLON RIFLE DIAGRAM



Rifle Examples



Equipment Control in Action

IBU BiathlonWorldTV
www.biathlonworld.com

Atmospheric Conditions

Biathlon competitions must not be started if the air temperature is colder than minus 20 degrees Celsius measured at the coldest part of the site (range or course), 1.5 m above ground.

If it is colder than minus 15° C, wind chill and humidity must be considered before starting and during the competition. In the case of a high wind chill factor, the competition jury, in consultation with the IBU Medical Delegate or the competition physician, will decide whether to start or continue the competition. The course to be skied may also be changed to avoid windy areas.

BIATHLON COMPETITIONS WIND CHILL - TEMPERATURE EQUIVALENTS

WIND SPEED IN KM/H

TEM P C	10	15	20	25	30	35	40	45	50
0	- 3	- 5	- 8	-10	-11	-13	-14	-14	-15
- 1	- 4	- 6	- 9	-11	-12	-14	-15	-16	-17
- 2	- 5	- 7	- 9	-13	-14	-15	-17	-18	-18
- 3	- 6	- 8	-11	-14	-15	-16	-18	-19	-19
- 4	- 7	-10	-12	-15	-16	-18	-19	-20	-21
- 5	- 8	-11	-13	-16	-18	-19	-21	-22	-22
- 6	- 9	-12	-14	-18	-19	-20	-22	-23	-24
- 7	-10	-13	-15	-19	-20	-22	-24	-24	-25
- 8	-11	-14	-17	-20	-22	-23	-25	-26	-27
- 9	-12	-15	-18	-22	-23	-25	-27	-27	-28
-10	-13	-16	-19	-23	-24	-26	-28	-29	-30
-11	-14	-18	-20	-24	-26	-27	-29	-30	-31
-12	-15	-19	-22	-26	-27	-29	-31	-32	-33
-13	-17	-20	-23	-27	-28	-30	-32	-33	-34
-14	-18	-21	-24	-28	-30	-31	-34	-35	-36
-15	-19	-22	-25	-29	-31	-33	-35	-36	-37
-16	-20	-23	-27	-31	-32	-34	-36	-37	-38
-17	-21	-25	-28	-32	-34	-36	-38	-39	-40
-18	-22	-26	-29	-33	-35	-37	-39	-40	-41
-19	-23	-27	-30	-35	-36	-38	-41	-42	-43
-20	-24	-28	-32	-36	-38	-40	-42	-43	-44

NOTES

1. This is only a guide - decision to start or not will be made by the TD, Jury and Competition Doctor.
2. Top shaded line is the -20 degree Celsius equivalent boundary.
3. Bottom shaded area indicates that exposed flesh freezes in one minute.
4. Wind speed is to be measured at height of 1.5 m on the range.
5. Temperature is measured at 1.5 m at the coldest competition area.

Skiing Regulations

Competitors must ski the entire distance of the stipulated competition course in the correct sequence and direction on skis, carrying their rifle and at least the required number of rounds, and following the marked course precisely. They may use no other form of propulsion than skis, poles and their own muscular force.

All skiing techniques are permitted.

Skiing Regulations

If competitors ski on a wrong course section, or ski the course in the wrong sequence, they must return to the point where they made the wrong turn, along the part of the course they skied in error. In order to do so, the competitors may have to ski against the correct ski direction and will be totally responsible for ensuring that they do not obstruct or endanger other competitors. No penalty will be imposed for having committed the error provided the error does not result in any interference to other competitors.

DNF - inform official

Shooting Rules

All shooting during training and competition takes place at the shooting range. In a competition, competitors shall shoot after having completed each of the required sections of the course for the competition except the last which ends at the finish or the Relay hand-over. The specifications at Table 1 and its notes shall apply for shooting at all IBU competitions.

Rifles must be unloaded after each shooting bout: no round may be left in the chamber or in the inserted magazine. However, leaving the cartridge case in the chamber and the empty magazine in the rifle after the last shot is permitted. At the end of training, competitors must perform a safety check before leaving the shooting range by opening the bolt and removing the inserted magazine, with the barrel pointed toward the target or upward. They must also remove all ammunition from both the stock and the magazines before leaving the shooting range

Shooting Rules

At all IBU competitions there must be one or more official(s) at the end of the finish area to open the rifle action of every competitor. This check may only be performed when the rifles are pointing upwards. At the same time, the official will inspect the cartridge case ejected from the chamber. If this safety check is not done, the competitors must do the check themselves. All ammunition must be removed from the stock and the magazines.

8.7.3.3 For all shooting bouts for which shooting lanes are assigned by start number (first shooting bout in mass start and relay), competitors must shoot from their assigned lane unless they are prevented due to the error of another competitor. No targets hit on the wrong lane will be scored.

Selection of Shooting Lanes

- Individual and Sprint: shooting lanes may be freely chosen by the competitor from among the targets that are ready in the correct sequence (prone or standing).
- Pursuit, Individual and Sprint with group start: the competitors must go sequentially in the shooting lanes starting with lane 1 and taking the lowest available number, until the last shooting lane is reached, at which time the next competitor must go to lane number 1 and the process begins again.
- Mass Start: in the first shooting bout the competitors must shoot from the lane number designated by their start number, and in subsequent bouts by filling in the range sequentially from the right in the order of competitors' arrival on the range.
- Relay: the shooting lane designated by the team's start number must be used for the first shooting bout by the first competitor of each team; after that the range will be filled in sequentially from the right in the order of competitors' arrival on the range.

Spare Rounds and Misfires

In the Relay competition, each competitor must fire the first 5 rounds and if targets remain standing they must use the 3 spare rounds until all 5 targets are hit or until all 8 rounds are fired. If competitors need spare rounds after having fired the first 5 rounds, the spare rounds must be hand loaded one by one – not loaded directly from a magazine.

Misfired or lost rounds, or magazines, may be replaced by competitors themselves if they are carrying spare rounds or magazines. If they are not carrying spare rounds or magazines, competitors may obtain re- placement rounds or magazines from a range official by raising a hand and loudly saying “Ammunition” and the name of their NF. The range

Cross-firing

- If the target at which a competitor is shooting is fired at by another competitor, the one shooting incorrectly must be stopped immediately. If no target plates have fallen, the correct competitor may continue shooting. If a target plate has been hit, the target must be reset immediately and the competitor must then fire the remaining shots on the reset target.
- Before such a target is reset, the hits and their positions must be recorded. In such a case in the Sprint, Pursuit, Mass Start or Relay competition, the range official must tell the competitor how many penalty loops to do.
- If competitors cross-fire onto a target not in their shooting lane, and no other competitor is shooting on that target, they will be allowed to continue without the mistake being pointed out to them. However, hits on the wrong target will not be scored. Only those of the competitor's hits that are on the correct target will be scored.
- For all shooting bouts where shooting lanes are assigned by start number (first shooting bout in Mass Start and Relay), competitors must shoot from their assigned lane unless they are prevented due to the error of another competitor.

Shooting Positions

- Competitors may not remove a strap of their rifle carrying harness from their shoulder before they have reached the shooting lane from which they will be shooting. They must cross the lane marking line with both feet and lay both ski poles on the ground prior to removing their rifle from the carrying position
- Prone Position: In the prone position, competitors must comply with the following regulations: the rifle may only be in contact with their hands, shoulder and cheek. The lower side of the wrist of the arm supporting the rifle must be distinctly raised from the ground (snow surface).
- Standing Position: In the standing position, competitors must comply with the following regulations: they must stand without any support. Only their hands, shoulder, cheek and the area of their chest next to their shoulder may be in contact with the rifle. They may hold the arm supporting the rifle against their chest or prop it against their hip.
- Removing one or both skis while shooting – including training and zeroing – is prohibited, and placing any kind of object under the skis is also prohibited.

Penalties

- Reprimands
- Start prohibitions
- Time penalties - 30 seconds, 1 minute, 2 minutes
- Disqualifications
- Suspensions
- Fines

Reprimands

- a. jeopardizing or defaming the honor or reputation of the IBU or its interests;
- b. insulting the IBU, its organs, its members, the organs of its members or their affiliates and relatives;
- c. violations of rules for which there is no penalty or for which there is not an expressly stated, more severe penalty.

Start Prohibition Penalties

- a. Violation of the eligibility and qualification requirements of the IBU Event and Competition Rules;
- b. Appearing for start with material, equipment, clothing or advertising not in compliance with the IBU Event and Competition Rules or Annex A (the IBU Material Catalogue) to those Rules, or with the IBU Rules for Advertising;
- c. Appearing for start with the wrong start number, or no start number, due to a mistake made by the athletes or their teams;
- d. Violating the rules regarding official training, zeroing, warm-up and/or ski testing or safety regulations.

The prohibition applies for the competition in which the violation occurred, or the next competition, as applicable.

Thirty Second Penalty

If athletes compete in a pursuit, and start up to maximum three seconds before their officially assigned start time, a thirty second penalty will be imposed.

One Minute Penalties

- a. Not giving way at the first request by an overtaking competitor;
- b. Committing a very minor violation of the principles of fair play or the requirements of sportsmanship.

Two Minute Penalties

- a. every penalty loop, resulting from shot penalties, not done by an athlete immediately after each prone or standing shoot;
- b. using the skating technique (one or both legs sideways) in the prepared start tracks after the start line in the relay or mass start competition or in a group start;
- c. every round not fired if athletes recommence skiing before they have fired all five shots in an individual, sprint, pursuit or mass start competition, or all eight shots in a relay competition, having not hit all targets;
- d. committing a minor violation of the principles of fair play or the requirements of sportsmanship.

Disqualification

- a. taking part in a competition for which they are not eligible or qualified;
- b. violating Article 1.4 of the IBU Event and Competition Rules “Eligibility Rules for Competitors and Teams”;
- c. receiving prohibited assistance as defined in the IBU Event and Competition Rules from a member of their team staff or non-competing athletes from their team;
- d. using equipment, rifle or clothing not in conformity with the IBU rules, including carrying unauthorized advertising, at an IBU event or competition;
- e. avoiding start or finish inspections
- f. taking part in a competition with skis or rifle not correctly marked;
- g. modifying equipment, rifle or clothing, which has been inspected and marked at start inspection, in a prohibited way;
- h. participation in a competition with a start number or start number sequence color which has not been assigned to them on the competition start list, regardless of whether this is deliberate or due to a mistake made by them or by their team;

Disqualification

- i. deviating from the marked trail, or skiing a wrong trail, thus gaining a time advantage for himself or his team, or skiing the course loops in a wrong sequence or in the wrong direction;
- j. using means of propulsion other than skis, poles and their own muscular force;
- k. not carrying their rifle while skiing during the competition, and for not carrying their rifle on the course, when it is not damaged, with the barrel pointing up;
- l. hindering another competitor on the course or at the shooting range by serious obstruction;
- m. exchanging both skis during the competition;
- n. accepting unauthorized assistance from any person when repairing equipment, or receiving assistance other than authorized;
- o. for applying any substances during a competition intended to change the glide performance of their skis;

Disqualification

- p. firing more than five rounds in any shooting bout of an individual, sprint, pursuit or mass start competition or more than eight rounds in a relay, mixed relay or super sprint competition;
- q. remaining in an incorrect shooting position or incorrect position in the shooting lane after having been warned;
- r. failing to shoot in the correct sequence of positions;
- s. using a second magazine instead of hand-loading lost rounds, replacement rounds for misfires, or spare rounds individually;
- t. violating any shooting safety regulations as defined in Article 8.5 of the IBU Event and Competition Rules;
- u. exchanging their rifle for another rifle, after starting, in any other location than the shooting range;
- v. not laying in or shooting from the assigned shooting lane in the mass start and/or relay competition;
- w. starting more than three seconds earlier than the assigned start time in a pursuit competition;
- x. committing a serious violation of the principles of fair play or the requirements of sportsmanship.

Protests

Protests must be submitted in writing, using the official IBU Protest Form, to the Competition Secretary, for the Competition Jury, and must be accompanied by a fee of EUR 50, or host nation equivalent. If the protest is upheld, the money shall be paid back. If the protest is rejected, the money will go to the IBU (USBA/Biathlon Canada).

Protest Types and Conditions

Eligibility Protests

Protests concerning the eligibility of a competitor may be submitted at any time up to the end of the protest time for the competition in question.

Protests During and After Competitions

Protests concerning violation of rules by competitors and team staff, mistakes made by officials, competition conditions and the Provisional Results must be submitted in the time period between the start of the competition to 15 minutes after the posting of the Provisional Results. A clear announcement must be made by the organizer immediately after the posting of the Provisional Results to inform everyone that they have been posted.

Types of Results

Intermediate Results

- During competition, normally by PA or scoreboard
- Reflect the current situation

Provisional Results

- First official record of the competition after the last finish
- Subject to protests, must be marked as Provisional and signed by TD with time marked.

Final Results

Final record of the competition published immediately after protest time has expired, or when the Competition Jury has resolved any protests.

Results format