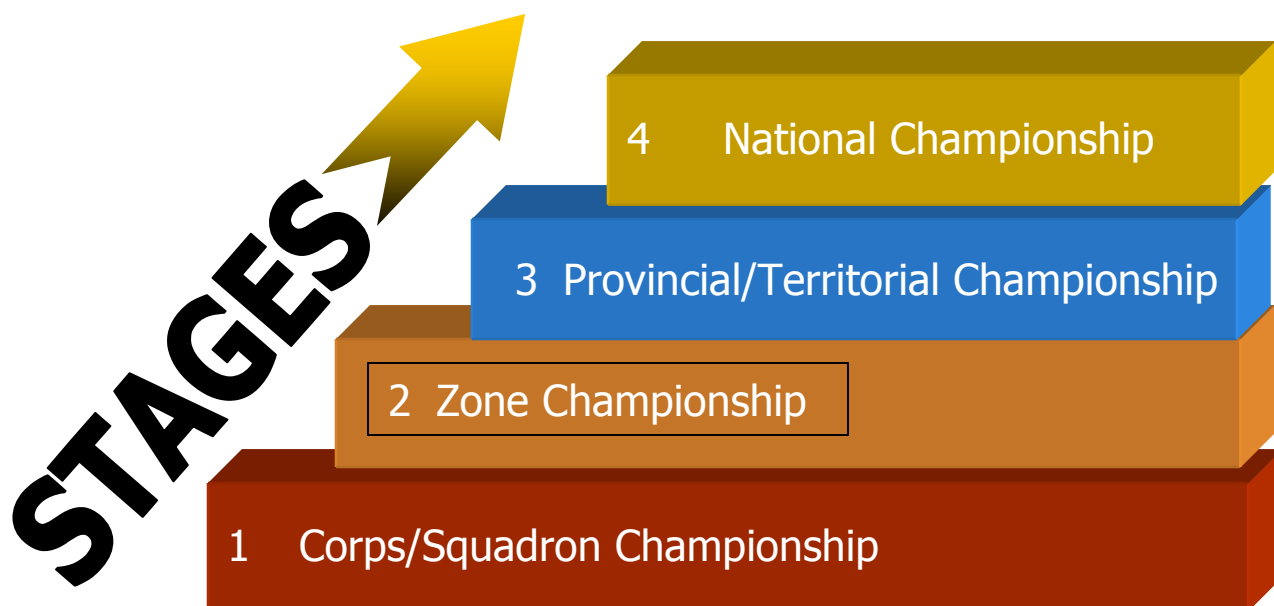




## *Canadian Cadet Movement*

# **Biathlon Championship Series**



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# **BIATHLON CHAMPIONSHIP SERIES**

## **SECTION 1**

### **INTRODUCTION**

Biathlon is one of the most popular and appealing aspects of tri-service cadet training. Many of our cadet corps/squadrons have long reaped the benefits of competitive biathlon programs at the local, provincial/territorial and national levels, but now all cadets have the same opportunity to compete on an equally funded basis in a national biathlon championship series. For those of you who have not had the chance to participate in a biathlon competition, we want to welcome you to the sport and encourage you to take advantage of the many benefits that competitive cadet biathlon has to offer.

As seasoned competitors and coaches will attest, competitive biathlon offers many benefits to the cadets. An unparalleled sense of achievement is gained as a cadet strives towards excellence in a sport that allows all competitors to compete on an equal basis. Self-confidence, acceptance of responsibility, fitness and sports etiquette are just some of the life skills acquired from the training. A respect for firearms, the development of proficient use of rifles for sport and recreational purposes, improved cardio-vascular conditioning and an improvement in self-discipline are additional benefits.

Regardless of your level of experience, you will find this booklet to be quite user-friendly. Simple and straightforward concepts, clearly defined terms and easily understood rules are detailed in the following pages. If you are one of the Corps/Squadron Commanding Officers (CO) who has hesitated to involve your unit in a biathlon competition, the time to start is now. Competitive biathlon offers a unique opportunity to expose your cadets to an exciting challenge.

Perhaps the most significant element in the Championship Series is the conduct of Zone Competitions during Stage 2. These one-day competitions between cadet corps and squadrons in the same geographical area create a positive learning environment within a friendly atmosphere.

Remember, there is limited cost to you at the unit level. Rifles and pellets, portable ranges, targets, and travel to provincial/territorial and national competitions are all funded by the Canadian Forces. With a little time and effort it could be one of your cadets on the podium at the National Championship or even at the Olympics!

## **SECTION 2**

### **GENERAL INFORMATION**

#### **SCOPE**

The Canadian Cadet Movement Biathlon Championship Series is a tri-service training activity that is designed to ensure that all cadet corps/squadrons have the opportunity to participate on an equal level. It has the following aims:

- a. To allow cadets to participate in a progressive biathlon program;
- b. To promote physical fitness;
- c. To act as a catalyst for a cadet unit fitness/sports program;
- d. To promote the safe handling of rifles;
- e. To produce proficient coaches and officials;
- f. To stimulate and maintain an interest and act as a recruiting tool for the CCM.

Cadets train and compete at the unit level to represent their units at higher-level competitions.

#### **STAGES**

The Championship Series will be conducted in four stages as follows:

- a. Stage 1 – Corps / Squadron Championship & Zone Selection;
- b. Stage 2 – Zone Championship & Provincial / Territorial Selection;
- c. Stage 3 – Provincial / Territorial Championship & National Selection; and
- d. Stage 4 – National Championship.

#### **FUNDING**

Responsibility for funding will be as follows:

- a. Stage 1 – Corps / Squadron;
- b. Stage 2 – Corps / Squadron / Regional Headquarters (HQ);
- c. Stage 3 – Regional Headquarters; and
- d. Stage 4 – Directorate of Cadets (D Cdts).

#### **RACE FEES**

Corps/Squadrons will not be charged a race fee at any stage of the Championship Series.

## **TEAM COMPOSITION**

A team consists of three (3) competitors of the same gender, one (1) of whom must be classified as a junior in accordance with rule 1.2.5. Corps / Squadrons that cannot field a team of either gender may enter individual competitors. A unit team is composed of competitors from the same corps or squadron. Composite teams may be comprised of competitors from different corps or squadrons provided they are from the same province or in the case of Northern Region, from the same region.

## **ADULT COACH**

Each Unit Team and Composite Team (National Championship only) must have either a member of the Canadian Forces (CF) or a Civilian Instructor (CI) as an adult coach.

## **EQUIPMENT**

Corps/Squadrons will be responsible to ensure competitors have appropriate equipment at all stages of the Championship Series. Team equipment must comply with specifications listed in the Championship Series Rules.

## **RESPONSIBILITIES FOR IMPLEMENTATION**

Local, Regional and National Offices of Primary Interest (OPI) will distribute detailed information annually for the conduct of the stage for which they are responsible.

### **STAGE 1 – CORPS/SQUADRON CHAMPIONSHIP & ZONE SELECTION**

**OPI** – Corps/Squadron Commanding Officer (CO) / Unit Biathlon Coordinator.

**Objective** – To conduct a unit level championship to select teams/individuals to compete at Stage 2.

**Date** – Normally conducted between September and January. Specific date to be confirmed annually by the OPI.

**Location** – To be confirmed annually by the OPI.

**Entry Procedures** – To be confirmed annually by the OPI.

**Stage Two Selection** – Responsibility of the OPI.

**Awards** – An awards scheme may be established at the OPI's discretion.



## **STAGE 2 – ZONE CHAMPIONSHIP & PROVINCIAL/TERRITORIAL SELECTION**

**OPI** – Commanding Officer RCSU / Regional Biathlon Coordinator.

**Objective** – Where possible, identify winners of geographic zones and to select the unit teams and individuals to compete at stage 3. For those corps/squadrons which cannot participate in a Zone Competition due to geographic limitations, to conduct a local competition and mail in the results to the OPI. Select the Unit Teams and Individuals to compete at Stage 3.

**Date** – Normally conducted between November and January. Specific date to be confirmed annually by the OPI.

**Location(s)** – To be confirmed annually by the OPI.

**Entry Procedures** – To be confirmed annually by the OPI.

**Stage Three Selection** – Responsibility of the OPI.

**Awards** – Responsibility of the OPI. Top Unit Teams (male and female) and Individuals. Other awards may be given at the OPI's discretion.

## **STAGE 3 – PROVINCIAL/TERRITORIAL CHAMPIONSHIP & NATIONAL SELECTION**

**OPI** – Commanding Officer RCSU / Regional Biathlon Coordinator.

**Objective** – To identify Provincial/Territorial Champions from those Teams and Individuals selected in Stage 2 (number of participating teams and individuals will be at the discretion of the OPI), and to select the Unit Teams and the Individuals (to form Composite Teams) to compete at Stage 4.

**Date** – Normally conducted between February and March. Specific date to be confirmed annually by the OPI.

**Location** – To be confirmed annually by the OPI.

**Awards** – Top Male and Female Individuals. Other awards may be given at the OPI's discretion.

## **STAGE 4 – NATIONAL CHAMPIONSHIP**

**OPI** – Director Cadets / National Biathlon Coordinator.

**Objective** – To identify National Champions from those unit teams and individuals selected to compete from stage 3 competitions.

**Date** – Conducted annually in early March. Specific dates to be confirmed by the OPI.

**Location** – To be confirmed annually by the OPI. The location will generally take place in different parts of the country from year to year.

**Awards** – Top Unit and Composite Teams and Individuals (male and female). Other awards may be given at the OPI's discretion.

## **BIATHLON RACES BY STAGE**

### **Stage 1**

Corps / Squadron Championship & Zone Selection will consist of a Run and Shoot Individual Race or a Ski and Shoot Individual Race.

### **Stage 2**

Zone Championship & Provincial / Territorial Selection will consist of a Run and Shoot Individual Race or a Ski and Shoot Individual Race.

### **Stage 3**

Provincial / Territorial Championship & National Selection should consist of two (2) days of competition which contain individual (individual, mass start and / or pursuit) and / or team races (team relay and / or patrol) at the OPI's discretion.

### **Stage 4**

National Championship should consist of four (4) days of competition which must contain two (2) individual (individual or mass start or pursuit or sprint) and two (2) team races (team relay and patrol).

## SECTION 3

### RACE SPECIFICATIONS

#### STAGE 1 – Corps / Squadron Championship & Zone Selection

##### Run and Shoot or Ski and Shoot Individual Race

**Competitors** – All cadets from the corps/squadron

**Firing Distance** – Ten (10) metres (Air Rifle) or Fifty (50) metres (Smallbore)

**Racing Distance** – As per rule 1.3

**Penalties** – Time adjustments as per rule 1.3

**Start Type** – Single, 30 or 60 second interval

**Sequence of Race** – As per Individual Race specifications in Championship Series Rulebook:

1. Run / Ski;
2. Fire 5 rounds;
3. Run / Ski;
4. Fire 5 rounds;
5. Run / Ski.

**Position** – Prone or Standing unsupported

**Rifle** – .177 cal Air Rifle or .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round clip/magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Air Rifle Target System or Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Air Rifle or Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Safety glasses or shatterproof eyeglasses must be worn for Air Rifle Firing only

**Coaching** – CO's discretion

**Results** – Each competitor will have a start and stop time; the total time (tt) will be the finish time (ft) minus (-) the start time (st) plus time adjustments.

**Equipment:**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – CO's discretion

## **STAGE 2 – Zone Championship & Provincial/Territorial Selection**

### **Run and Shoot or Ski and Shoot Individual Race**

**Competitors** – Unit teams and individuals as selected in Stage 1

**Firing Distance** – Ten (10) metres (Air Rifle) or Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – Time adjustments as per rule 1.3

**Start Type** – Single, 30 or 60 second interval

**Sequence of Race** – As per Individual Race specifications in Championship Series Rulebook

1. Run/Ski;
2. Fire 5 rounds;
3. Run/Ski;
4. Fire 5 rounds;
5. Run/Ski.

**Position** – Prone or Standing unsupported

**Rifle** – .177 cal Air Rifle or .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round clip/magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Air Rifle Target System or Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Air Rifle or Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Safety glasses or shatterproof eyeglasses must be worn for Air Rifle Firing only

**Coaching** – As per Championship Series Rulebook

## **Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top male and female Individuals and Unit Teams (as applicable). Other awards may be given at the OPI's discretion.

## **STAGE 3 – Provincial / Territorial Championship & National Selection**

Stage 3 should consist of one individual (Individual, Mass Start, Pursuit or Sprint) and one team (Team Relay or Patrol) type race.

### **Individual Races**

#### **Individual Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres

**Racing Distance** – As per Rule 1.3

**Penalties** – Time adjustments as per rule 1.3

**Start Type** – Single, 30 or 60 second interval

**Sequence of Race** – As per Individual Race specifications in Championship Series Rulebook

1. Ski;
2. Fire 5 rounds;
3. Ski;
4. Fire 5 rounds;
5. Ski;
6. Fire 5 rounds;
7. Ski;
8. Fire 5 rounds (Senior and Youth); and
9. Ski (Senior and Youth).

**Position** – Prone or Standing unsupported

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

**Equipment:**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top male and female Individuals and Unit Teams (as applicable). Other awards may be given at the OPI's discretion.



## **Sprint Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – Ski one penalty loop per missed diagram

**Start Type** – Single, 30 or 60 second interval or Group Start

**Sequence of Race** – As per Sprint Race specifications in Championship Series Rulebook

1. Ski;
2. Fire 5 rounds;
3. Ski;
4. Fire 5 rounds; and
5. Ski.

**Position** – Prone or Standing unsupported

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

### **Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top male and female Individuals. Other awards may be given at the OPI's discretion.

## **Mass Start Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – Ski one penalty loop per missed diagram

**Start Type** – Simultaneous (Based on Random Draw (Stage 3) OR Previous Race Results from the same competition (Stage 4))

**Sequence of Race** – As per Mass Start Race specifications in Championship Series Rulebook

1. Ski;
2. Fire 5 rounds;
3. Ski;
4. Fire 5 rounds;
5. Ski;
6. Fire 5 rounds;
7. Ski;
8. Fire 5 rounds (Senior and Youth); and
9. Ski (Senior and Youth).

**Position** – Prone or standing unsupported

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

## **Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top male and female Individuals. Other awards may be given at the OPI's discretion.

## **Pursuit Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – Ski one penalty loop per missed diagram

**Start Type** – Single, 5 second, Normalized. Based on results from previous designated competition during the same championship

**Sequence of Race** – As per Pursuit Race specifications in Championship Series Rulebook

1. Ski;
2. Fire 5 rounds;
3. Ski;
4. Fire 5 rounds;
5. Ski;
6. Fire 5 rounds;
7. Ski;
8. Fire 5 rounds;
9. Ski.

**Position** – Prone or standing unsupported

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

## **Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top male and female Individuals. Other awards may be given at the OPI's discretion.

## **Team Races**

### **Team Relay Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – Ski one penalty loop per missed diagram

**Start Type** – Simultaneous Start and Tag

**Sequence of Race** – As per Team Relay Race specifications in Championship Series Rulebook

1. Ski;
2. Fire 5 rounds (three spare);
3. Ski;
4. Fire 5 rounds (three spare);
5. Ski.

**Competitor Bib Race Sequence** – Red, Green, Yellow

**Position** – Prone unsupported

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – No time limit

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

## **Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top Teams (male and female). Other awards may be given at the OPI's discretion.



## **Patrol Race**

**Competitors** – Unit teams and individuals as selected in Stage 2

**Firing Distance** – Fifty (50) metres (Smallbore)

**Racing Distance** – As per Rule 1.3

**Penalties** – One team member must ski one penalty loop per missed diagram, except for the final bout of firing; the final bout is unlimited rounds until all targets are hit

**Start Type** – Simultaneous Start on the range

**Sequence of Race** – As per Patrol Race specifications in Championship Series Rulebook

1. Fire up to 20 rounds;
2. Ski;
3. Fire up to 20 rounds;
4. Ski;
5. Fire up to 20 rounds;
6. Ski.
7. Fire unlimited rounds;

### **Special Rules:**

1. Each competitor must fire at least twice;
2. Teams cannot leave the range until all targets are hit or all 20 rounds are expended (Final bout of firing, all targets must be hit);
3. Cross firing is authorized as per rule 1.9.2;
4. Each team must stay together as a group (see rule 1.9.3);
5. Team equipment to be carried by the competitors is at the discretion of the OPI at Stage 3 only.

**Position** – Prone

**Rifle** – .22 cal Smallbore Rifle (DND authorized)

**Loading** – Single round or five (5) round magazine loading at the discretion of the OPI

**Time Limit** – 45 minutes

**Competition Target** – Biathlon Smallbore Target System (5 diagram)

**Zeroing Target** – Paper Biathlon Smallbore Targets

**Ammunition** – Only DND issued ammunition shall be used

**Safety Equipment** – Nil

**Coaching** – As per Championship Series Rulebook

**Equipment**

- Telescopes may be used;
- Slings may be used;
- Mats may be used; and
- Ski equipment as per Championship Series Rulebook.

**Awards** – Top Teams (male and female). Other awards may be given at the OPI's discretion.

## **STAGE 4 – National Championship**

Stage 4 will consist of selected races from Individual, Sprint, Mass Start, Pursuit, Team Relay and Patrol for all competitors. Race specifications for Stage 4 are the same as Stage 3.

## **SECTION 4**

### **RULES**

#### **FOREWORD**

The biathlon competition rules contained in this book have been organized and published by D Cds. These Rules govern the conduct of all biathlon events organized within the Canadian Cadet Movement (CCM).

The Biathlon Canada Handbook has been compiled and published by Biathlon Canada, the governing body for biathlon in Canada. It is intended to be a manual for officials, coaches and organizers, but it is also useful for athletes, coaches and the media. The handbook contains general information about the sport of biathlon, Biathlon Canada and the officials program, the Biathlon Canada hosting policy and selected parts of the International Biathlon Union (IBU) Handbook that are important for participation in, and the conduct of, biathlon events and competitions in Canada.

Information on the Cadet Program specific rules and the application of the IBU rules to cadet competitions follow. The Biathlon Canada rules will be used as a reference for any areas not covered by the cadet rules. For continuity between the following rules and the IBU/Biathlon Canada rules the paragraph numbering of the rules that follow match the paragraph numbering in the IBU/Biathlon Canada rules.

The purpose of these Rules is:

- a. To ensure the safety of all competitors, spectators, officials and team staff;
- b. To ensure fair, equal, undiscriminating and orderly races for all competitors;
- c. To generate interest in and increase the popularity of biathlon as a sport;
- d. To promote proper sports etiquette;
- e. To protect the organizers of biathlon competitions from unreasonable demands; and
- f. To provide the necessary information about Biathlon events and competitions for everyone involved with the sport.

Suggestions for improvements to these Rules are encouraged and may be submitted to the Staff Officer responsible for biathlon within each Area/Region.

## **1. GENERAL REGULATIONS**

### **1.1 APPLICATION**

These Rules shall be applied fully at all Cadet Events.

### **1.2 CLASSES OF COMPETITORS**

**1.2.1 Not applicable**

**1.2.2 Not applicable**

**1.2.3 Not applicable**

#### **1.2.4 Categories of Competitors**

The following competitor categories are recognized for cadet biathlon competitions:

- a. Junior Boys / Girls;
- b. Senior Boys / Girls; and
- c. Youth Men / Women.

Competitor categories are determined by the date of birth of the competitor relative to the final day of the National Cadet Biathlon Championship (including travel days). The training year is defined as the period of September to June which is the typical Corps or Squadron training cycle.

#### **1.2.5 Junior Boys and Girls**

A Junior Boy or Junior Girl is a cadet who has not reached their 15th birthday on or before the final day of the National Cadet Biathlon Championship (including the final day of travel).

#### **1.2.6 Senior Boys and Girls**

A Senior Boy or Senior Girl is a cadet who has reached their 15th birthday on or before the final day of the National Cadet Biathlon Championship but will not reach their 17th birthday on or before the final day of the National Cadet Biathlon Championship (including the final day of travel).

### **1.2.7 Youth Men and Women**

A Youth Man or a Youth Woman is a cadet who is not a Junior or a Senior and has not reached their 19th birthday on or before the final day of the National Biathlon Championship in any given year (including the final day of travel).

### **1.2.8 Individual Competitor**

Each member of the team is also considered to be an individual competitor.

### **1.2.9 Team Composition**

To be considered a team, a Unit Team or a Composite Team must arrive with three (3) competitors, including at least one (1) Junior. All team members must be of the same gender. A team arriving without at least one (1) Junior is not considered a team and these competitors will be ranked as individuals.

### **1.2.10 Substitutions**

#### **1.2.10.1 Stage 2**

The Cadet corps/squadron CO has the authority to select substitutes from eligible cadets within the Cadet corps/squadron.

#### **1.2.10.2 Stages 3 and 4**

In accordance with Rule 1.4 of section 4, an eligible cadet from a corps / squadron may only replace a cadet from that same corps/squadron who has competed in Stage 2 for the following reasons:

- a. Parental request;
- b. Withdrawal from the CCM;
- c. Medical problem; or
- d. Discipline problem.

#### **1.2.10.3 Substitution Notice**

A notice of intent to replace a cadet, citing the reason for replacement, shall be forwarded to the OPI no less than 24 hours prior to the start of official training.

### 1.3 TYPES OF COMPETITIONS

The following types of competitions are authorized for Cadet events (Table One):

1	2	3	4	5	6
Category	Course Length and Competition Type (Note 1)	Start Type and Intervals	Loops	Firing Bouts (Note 2)	Shot Penalty
Stage 1 & 2					
All	Individual run - 3 km or ski - 5 km	Single 30 - 60 sec	3	P.P. or P.S.	Run 30 sec or Ski 40 sec
Stage 3 & 4					
Youth Men	Sprint 7.5 km	Single / Group 30 – 60 sec	3	P.P. or P.S.	Loop 100 m
	Individual 10 km	Single 30 - 60 sec	5	P.P.P.P or P.P.S.S	60 sec
	Mass Start 10 km	Simultaneous	5	P.P.P.P or P.P.S.S	Loop 100 m
	Pursuit 10 km	Single Normalized 5 sec	5	P.P.P.P or P.P.S.S.	Loop 100 m
Youth Women	Sprint 6 km	Single / Group 30 – 60 sec	3	P.P. or P.S.	Loop 100 m
	Individual 10 km	Single 30 – 60 sec	5	P.P.P.P or P.P.S.S.	60 sec
	Mass Start 7.5 km	Simultaneous	5	P.P.P.P or P.P.S.S.	Loop 100 m

	Pursuit 7.5 km	Single Normalized 5 sec	5	P.P.P.P. or P.P.S.S.	Loop 100 m
<b>Senior Boys and Girls</b>	Sprint 6 km	Single / Group 30 – 60 sec	3	P.P. or P.S.	Loop 100 m
	Individual 7.5 km	Single 30 – 60 sec	5	P.P.P.P. or P.P.S.S.	60 sec
	Mass Start 7.5 km	Simultaneous	5	P.P.P.P. or P.P.S.S.	Loop 100 m
	Pursuit 7.5 km	Single Normalized 5 sec	5	P.P.P.P. or P.P.S.S.	Loop 100 m
<b>Junior Boys and Girls</b>	Sprint 4 km	Single / Group 30 – 60 sec	3	P.P.	Loop 100 m
	Individual 6 km	Single 30 – 60 sec	4	P.P.P.	40 sec
	Mass Start 6 km	Simultaneous	4	P.P.P.	Loop 100 m
	Pursuit 5 km	Single Normalized 5 sec	4	P.P.P.	Loop 100 m
<b>Unit and Composite Team (1 junior minimum)</b>	Relay 3 X 4.5 km	Simultaneous and Tag	3	P.P. 3 Spare rounds	Loop 100 m
	Patrol Male - 6 km Female - 4.5 km	Range Start on Whistle	3	P.P.P.P	Loop 100 m (first 3 bouts only)



## **Notes to Table 1**

(1) Distances and number of loops may vary depending on competition site. In all cases, the maximum grade (mg) of hills must not exceed 25%;

(2) Standing bouts for Senior and Youth Categories will be implemented at Stage 4 in 2014. Regions may implement standing bouts for Senior and Youth Categories at Stages 1, 2 and 3 in 2012 where the capability to do so exists.

Column 1: Category of Competitor: according to these Rules.

Column 2: Course Length and Type of Competition: according to these Rules.

Column 3: Start Types and Intervals: the method by which the start is made and the interval between the starts of two subsequent competitors.

Column 4: Number of Loops to be skied or ran by the competitor.

Column 5: Firing Bout: the number of firing bouts the competitor must do and the firing position to be used in the bout (P = Prone, S = Standing), and the number of rounds the competitor must fire in each bout.

Column 6: Shot Penalty: The automatic shot-penalty of 40 seconds of added time or 100 m penalty loop for juniors or 60 seconds of added time or 100 m penalty loop for senior and youth categories will be imposed on a competitor for each target left standing after all rounds for the bout have been fired.

### **1.3.1 – 1.3.9 Not applicable**

### **1.3.10 Modifications and Other Types of Competitions**

D Cds holds the right to modify existing competitions and to introduce new types of competitions into Cadet events.

### **1.3.11 Not applicable**

### **1.3.12 Not applicable**

## **1.4 ELIGIBILITY RULES FOR COMPETITORS AND TEAMS**

### **1.4.1 – 1.4.4 Not applicable**

### **1.4.5 Competitor's Responsibility**

Competitors may only participate in a biathlon event or competition with equipment and clothing that are in accordance with these Rules. Competitors

must ensure that their equipment and clothing is cleared through equipment check. Failure to do so may lead to disqualification.

### **1.4.6 Eligibility**

To be eligible to participate in cadet competitions, competitors must have joined the Canadian Cadet Organizations (CCO) no later than 31 December of the training year and must not have reached their 19th birthday on or before the final day of the National Biathlon Championship (including the final day of travel). The cadet must be considered an active member of their cadet unit, the cadet unit CO is the authority to confirm this.

#### **1.4.6.1 Team Eligibility**

To be eligible to compete in Team Competitions (Team Relay or Patrol Race), the team must be composed as outlined in Rule 1.2.9. If due to any circumstances one of the members cannot race the team will not be eligible to compete for medals or ranking. The remaining team members may compete in team races for experience and will be given a time but not placed in the results with the other teams.

### **1.4.7 Verification**

It is the responsibility of the OPI at each stage to verify the eligibility and categories of all competitors. Cadets will be required to produce a proof of age upon registration for the competition.

## **1.5 REGISTRATION AND ENTRY**

### **1.5.1 Not applicable**

#### **1.5.1.1 Not applicable**

#### **1.5.1.2 Not applicable**

### **1.5. 2 Entry**

Entry is the notice of a Biathlete or team being entered to start in a specific competition and must be submitted in writing at least two hours before the draw for the Individual events.

Entry for team participation in the Relay competition must be made not later than four 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 on the day before the Relay competition. The event organizer must provide a current weather forecast for the facility area 30 minutes before the time for

submitting the entries so that the teams will have the latest information for preparing entries.

### **1.5.3 Procedures**

Registration and Entry procedures will be determined annually by the OPI.

### **1.5.4 Late Entries**

- a. The TD may approve a late entry due to extraordinary circumstances before the draw.
- b. The Competition Jury may approve a late entry due to force majeure after the draw. The Competition Jury will direct in which position(s) the late competitor(s) will start. A separate draw may be used for this purpose.

### **1.5.5 Replacement of Entry - Force Majeure**

In Relay competitions, teams will not be allowed to change the starting order unless a force majeure occurs. In case of such a change a valid reason preventing the start must be proven to the Competition Jury not later than 30 minutes before the listed start time in question.

## **1.6 DRAW AND ASSIGNMENT OF START NUMBERS**

### **1.6.1 General**

Competitors or teams are randomly selected from the entries for the competition, by manual or computer draw, and are assigned their start numbers based on that draw unless other rules regulate that competition. A draw will also be used to resolve any tie situation that cannot be resolved using the specific rules for that issue.

**1.6.1.1** The method of draw must be approved by the TD.

### **1.6.2 Time of Draws**

The draw for any competition should be held not earlier than 24 hours before and not later than 15 hours before the start of the competition. However, in events at which a draw is required for the Mass Start or Relay competitions, if the majority of team coaches agree, the draw may be done at the team coaches meeting for the competition which will precede the Mass Start or Relay competition in the event program. If the Competition Jury decides to repeat a competition or to postpone a competition they will also decide whether a new draw must be made.

### **1.6.3 Place of Draws**

Draws must be done during and at the place of the team coaches meetings, and must be visible to all team coaches; however, the TD may approve the conduct of a draw outside of the team coaches meeting, if it is necessary due to event circumstances. Such outside draws must be supervised by at least two Competition Jury members.

#### **1.6.3.1 Normal Assignment of Competitors into Draw Groups**

When submitting their entries, team coaches must assign one competitor to each of the draw groups. If a team consists of fewer competitors than the number of draw groups, the team coach will decide in which groups he will place his competitors (one in each group chosen). If a team consists of more competitors than the number of draw groups, the extra competitors shall be added to the draw groups at the team coach's discretion, one to each group, repeating this procedure until all the team's competitors have been placed.

### **1.6.4 Normal Draw for Individual and Sprint Competitions**

The starting order shall be decided by randomly drawing the names of competitors from the draw groups into which they have been assigned by their team coach and by randomly drawing the start number for each competitor. The draw will be held separately for each group in this sequence:

Group 1, Group 2, Group 3, Group 4. Every number in the sequence must be assigned to a competitor.

If the draw in the Individual or Sprint competition has 60 or less competitors the draw will be done in 3 groups. If there are 40 or less then the draw will be done in 2 groups following the same principle as for the 4 draw groups.

#### **1.6.4.1 Not applicable**

#### **1.6.4.2 Draw for Group Starts in Sprint and Individual Competitions**

The start for the Individual and Sprint competitions may be individual or in groups. If the start is held in groups, the draw groups shall be subdivided into start groups. The number of competitors in the start groups shall depend on the conditions of the competition venue and on the total number of competitors. Otherwise the draw shall be the same as for single starts. For a group start, the numbers drawn shall determine the competitors' positions at the start.

#### **1.6.4.3 Assignment of Start Numbers and Start Times in the Pursuit Competition**

No draw shall be conducted for the Pursuit competition. Competitors shall be assigned start numbers and times based on the results of a designated previous competition in the same championship as stated in the event instruction. All starts shall be a normalized method with a five second start interval. The competitors in the Pursuit will start in the same order in which they finished the designated previous competition: the winner of the designated previous competition will start first with start number 1, the second place of the designated previous competition will start second with start number 2, and so on. The winner of the designated previous competition will have a start time of zero (0:00:00) which will be shown on the start list as the clock time for the start of the Pursuit Competition. The second place of the designated previous competition will have a start time of five seconds (0:00:05), the third place of the designated previous competition will have a start time of ten seconds (0:00:10), and so on. Start lists shall be produced based on the foregoing and must show the start lane assigned to each competitor.

#### **1.6.4.4 Assignment of Start numbers and Start Positions – Mass Start Competition**

A single random draw shall be used to assign the start numbers for all competitors. The start number shall designate the start position for each competitor at that competition.

#### **1.6.5 Assignment of Start Numbers for Relay Competitions**

##### **1.6.5.1 Method of Assigning Relay Start Numbers**

A single random draw will be used. The assigned Relay start number shall be each team's start track number for the simultaneous start and the firing lane number on the range.

##### **1.6.5.2 Placement of Competitors in Relay Start Positions**

Start positions will be numbered from left to right, facing the direction of the start. Number 1 will be the left position and the highest number of the front row will be the right position. The lowest number in the second row will be placed behind number 1 and the next consecutive number behind number 2, and so on.

##### **1.6.5.3 Extra Relay Teams**

Extra Relay teams are permitted: they must start in rows behind the official teams and will not be awarded official awards. Extra Relay teams may consist of individuals from units that do not form a complete team or teams that have had a competitor withdraw from the race. Based on the timings from the previous race, individual competitors may be placed in the front row if the competitor in front was slower, however this is not mandatory and the coaches of the affected

competitors must agree.

#### **1.6.5.4 Not applicable**

### **1.7 TEAM COACHES MEETINGS**

#### **1.7.1 General**

At each Biathlon event, meetings must be held for the team coaches to elect the Juries, conduct draws and to give information about the event and the competitions. The first meeting should be held on the day before the first day of Official Training in order to elect the Competition Jury. For the remaining meetings of the event, the dates and timings are dictated by the timings required to conduct the draws. The Competition Chief shall chair the meetings.

The Competition Chief shall chair the meetings.

#### **1.7.2 Attendance at Team Coaches Meetings**

The following persons shall attend the team coaches meetings:

- a. the Competition Chief;
- b. the TD(s) and IRs;
- c. all Competition Jury members;
- d. at least one representative from each participating unit/province/territory;
- e. the Chiefs of Range, Course, Start & Finish, Stadium and the Competition Secretary or their representatives;
- f. the necessary meeting support staff and interpreters, if required.

#### **1.7.3 Team Coaches Meeting Agenda**

The agenda for a team coaches meeting must include the following items, as appropriate, in the following recommended sequence:

- a. Call to order;
- b. Roll call of provinces/territories (or units/teams);
- c. Election of the Competition Jury (first meeting or as required);
- d. Draw(s);

- e. Admin and Log points;
- f. Technical briefing for the next competition(s);
- g. TD's comments;
- h. Weather forecast;
- i. Miscellaneous;
- j. Synchronize watches;
- k. Adjournment.

#### **1.7.4 Start lists and start numbers**

Should be issued to the teams at the end of the meeting.

### **1.8 PROHIBITIONS AND SANCTIONS FOR NON-COMPETING PERSONS**

#### **1.8.1 General**

Unfair assistance or assistance not allowed by these Rules to competitors during a competition is prohibited.

#### **1.8.2 Specific Prohibitions**

##### **1.8.2.1 On the Firing Range**

It is forbidden for any person to give competitors any acoustic or visual information or advice, or to pass on any information to competitors by way of radio or any other communication method on the range including 10 m to the left and right of the range. The forbidden area at the shooting range will be marked by clearly visible markings, including 10 m from the left and right shooting lanes. It is forbidden to pass any information from the shooting butts to the coaches and/or competitors during zeroing and/or the competition. These prohibitions shall not apply to the general expressions of applause or disappointment by the spectators.

##### **1.8.2.2 On the Course**

Pacing is defined as running or skiing in front, beside or behind competitors. Pacing is forbidden in the area 100 m before the range to 100 m after the range, in the handover zone, and in the last 100 m before the finish or handover zone. This area should be clearly identified with signs to all spectators and participants.

Outside of the above-specified areas, it is permitted to run without skis up to 50 m beside competitors.

It is forbidden to touch competitors in such a way as to assist their propulsion or to obstruct other competitors. Assistance to competitors to change the glide performance of their skis is prohibited during the competition.

### **1.8.3 Sanctions**

Spectators and other persons should be clearly informed of these rules by the official announcer before the beginning of the competition and warned that a violation of these rules may lead to spectators being removed from the area of the competition by the Organizing Committee.

### **1.9 Not Applicable**

## **1.10 CADET PATROL RACE**

### **1.10.1 Start**

- a. Each team will be assigned two adjoining firing lanes.
- b. The team will stand on the firing ramp behind the firing mats for their assigned lanes carrying their equipment. No part of the skis can be forward of the rear edge of the mat.
- c. On the sound of a whistle, the race will start with the competitors moving forward adopting their position and engaging their targets.
- d. The scorer will place ammunition in the bowls.
- e. All rifles will be on the mat with bolts open before the start of the race, with a maximum of three rifles per team. Replacements will not be permitted after the race has commenced. If there is a rifle malfunction the Patrol members will be responsible for carrying out any repairs without coach or official assistance. Range officials will ensure safety at all times.

### **1.10.2 Firing**

- a. Two competitors will fire, one in each lane. The third competitor **must** be positioned between the two firing competitors. Use of a spotting scope is permitted. All three competitors must depart the firing points as a team.
- b. Maximum of 20 rounds (4 magazines) per shooting bout per team except for the final bout of firing, where unlimited rounds are permitted until all targets are hit. A range official will place the rounds in 3 bowls; 5 rounds (1 magazine) per shooter's bowl and 10 spare rounds (2 magazines) in the center bowl for the first three bouts of firing. For the final bout of firing, a range official will place 5 rounds (1 magazine) in each shooter's bowl and 30



spare rounds (2 magazines and 20 loose rounds) in the center bowl, the non-firing competitor can request more ammo at any time as required.

- c. When a competitor has hit all five of the targets in his lane, he may fire at the other set of targets assigned to the patrol. The cadet who is firing on this set of targets must first open the bolt and lower their rifle. The cross-firing competitor cannot fire until the other firer has opened their bolt and lowered their rifle. A two (2) minute penalty will be imposed on any team that breaks this rule. For the purpose of this rule, lowering the rifle means to lower the muzzle of the rifle and cease looking through the rear sight so that it is clear to observing officials that the competitor is no longer aiming at the target and does not intend to fire.
- d. Competitors may use patrol equipment to assist in firing.
- e. During the patrol race a competitor may load ammunition into the chamber of a fellow team member's rifle, however, only the competitor firing the rifle may operate the bolt. If the assisting competitor performs any other assistance, a two (2) minute penalty will be given to the team. Only one penalty will be assessed for each firing bout.
- f. With the exception of the last bout of firing, the shot-penalty for the Patrol Race is the 100 m penalty loop. Any one competitor from the team must ski the loop once for every missed target immediately after the firing bout. The remaining team members will wait just beyond the penalty loop in the designated holding area. The holding area should be adjacent to the trail as close to the penalty loop exit as possible. For the final bout of firing the teams will be given unlimited rounds and will continue to fire until all targets are hit or the 45 minute time limit expires.
- g. Each team member will fire at least two bouts with a minimum of 5 rounds per bout. The remaining rounds in each bout may be used by either firer to attempt to hit the remaining targets.
- h. If competing with magazine fed rifles, the competitors are to ensure that any magazine left in the rifle at the conclusion of the firing bout is empty. If there are still rounds left in the magazine then it must be removed from the rifle during the unload procedure. Failure to do this will result in a two-minute team penalty for the first infraction and team disqualification for the second infraction. Note that it does not have to be the same competitor that makes the infraction, if any team member makes the infraction a second time then the disqualification penalty applies.

### **1.10.3 Sequence**

Each Team will ski the entire course as a patrol. The patrol will move in close formation with no more than 30 metres between lead and rear competitors. The distance between the lead and rear competitors will be measured when the competitors enter and exit the range and may be measured during different intervals while on the course.

#### **1.10.4 Finish**

- a. A time limit of 45 minute will be given to complete the race.
- b. If a team completes all ski loops and firing bouts prior to the end of the 45-minute time limit, the team's running time will be ended when the last target is hit.
- c. If a team has not completed firing at the 45 minute mark, it will cease fire and a time adjustment of 60 seconds will be added to the team time for each target not hit.
- d. If a team is on the course at the 45 minute mark, it will be permitted to ski the remainder of the loop with its time running until the last member of the patrol enters the zone of silence. A time adjustment of 60 seconds will be added to the team time for each target not shot.
- e. For each ski loop(s) not completed by the team, a 10 minute time adjustment will be added to the team's final time plus 60 seconds per target not shot.

#### **1.10.5 Personal Equipment**

- a. Mitts or gloves may be worn or carried;
- b. Cap as issued or unit headgear may be worn or carried;
- c. Each competitor must carry a small pack (provided by competition organizers) at all times on the course; and
- d. Each competitor will wear their start number (bib) and also attach a second start number to their pack so that their start number will be visible at all times when skiing or firing.

#### **1.10.6 Patrol equipment**

- a. The patrol equipment will be composed of six (6) woolen blankets for boys / men and four (4) for girls / women;
- b. The distribution and carrying of patrol equipment is left to the discretion of the team members;
- c. Any other items that may be required by the Patrol (i.e. tools, tape, etc) must be carried by the Patrol or placed on the firing mat prior to the commencement of the race. It is prohibited to receive any items from another person after the commencement of the race as per rule 1.9.7 a.

#### **1.10.7 Miscellaneous**

- a. Coaches will not be allowed to give any assistance during the race except for providing magazines to the officials. Coaches may assist with zeroing prior to the commencement of the race.
- b. No other persons will be permitted on the course except competitors and officials.

## **2. ORGANIZATIONS AND APPOINTMENTS**

### **2.1 GENERAL**

The following organizations and persons shall be established or appointed for the preparation, conduct and control of Biathlon events and competitions:

- Organizing Committee;
- Competition Juries (Male and Female);
- TD(s) and IR(s) (if applicable);
- Biathlon Canada/Provincial Biathlon Division Representative (if applicable);

The Regional Cadet Headquarters representative or Director of Cadets representative for National Events will act as the final authority for all decisions.

### **2.2 THE ORGANIZING COMMITTEE**

The right to host an event or competition is awarded to an organizer by the Regional or National Cadet Authority. The organizer must prepare and conduct the event or competition by these Rules, and following the guidance provided in the Championship Directive or CATOs.

#### **2.2.1 Not applicable**

### **2.3 THE COMPETITION JURY**

#### **2.3.1 General**

A Competition Jury is established for Biathlon events to act as the authority on all matters related to the event. The Competition Jury is established and operates under the authority of these Rules.

The Competition Jury will make decisions about the event, competitions and related arrangements and conditions to ensure fairness and correctness. The Competition Jury imposes penalties for violations of rules reported by the TDs, IRs, competition officials and Competition Jury members, and penalties and disciplinary measures on its own part. Additionally, the Competition Jury awards time adjustments and rules on competition situations not stipulated in these Rules or other authority publications. The Competition Jury also reviews and decides on all protests submitted to it.

A separate Competition Jury may be established for male and female competitions as circumstances dictate.

The procedures of the Competition Jury are governed by these Rules.

### **2.3.1.1 Time of Election**

The Competition Juries to be established for an event should be elected at the latest on the day before the first Official Training. The Competition Juries remain competent throughout the event; however, changes of elected members may be made by election for pressing reasons. For Stage 4 separate juries will be elected for the first two and the last two races.

### **2.3.1.2 Chair**

The Chairman of the Competition Jury is the TD.

### **2.3.2 Competition Jury Composition**

At Cadet competitions the Competition Jury shall consist of five members as follows:

- a. The TD - Chairman;
- b. The Competition Chief;
- c. One Chief (Course, Start / Finish, Range etc); and
- d. Two team coaches elected by the team coaches.

**2.3.2.1** Only one person from any Province/Territory/Unit may be a member of the same Competition Jury at Cadet competitions. It is acceptable to have members from the same Province/Territory/Unit on each of the male and female juries if applicable. Competition Officials are not considered to be part of any Province/Territory/Unit while acting in their official capacities during the event.

### **2.3.2.2 Not applicable**

### **2.3.3 Election of Competition Jury Members**

The TD conducts election of the Competition Juries during the team coaches meeting. Nominations are requested from the team coaches for candidates to be members of the Competition Jury. If there is the same number of candidates as open Competition Jury positions, no vote is necessary and the candidates become Competition Jury members by acclamation. If there are more candidates than open Competition Jury positions, a vote must be taken from the team coaches. A simple majority will elect a Competition Jury member. If any candidate obtains no simple majority, the person with the least votes is removed as a candidate and the vote is repeated for the remaining candidates until the Competition Jury members have been elected.

### **2.3.4 Competition Jury Meetings and Decisions**

The Competition Jury must assemble within a minimum of time whenever a

meeting is required, as directed by the Competition Jury Chairman, and must remain readily available for Competition Jury duties for 15 minutes after the Provisional Results have been published. Specific meeting times are detailed in Annex B to these rules. Decisions of the Competition Jury are normally made with all members present. However, in exceptional cases the Competition Jury is competent to pass a resolution if at least three members are present. The Competition Jury chair shall only vote in case of a tie vote. Decisions shall be made by each member voting on the issue and a simple majority shall decide.

### **2.3.5 Tasks of the Competition Jury**

A detailed list of tasks of the Competition Jury is given in Annex B to these Rules.

### **2.3.6 Appeals Against Competition Jury Decisions**

For Provincial / Regional events, the Regional Cadet Headquarters OPI is the final authority for all decisions. For National events, the Director of Cadets OPI is the final authority for all decisions. Once a coach receives the decision from the Competition Jury, they can appeal this decision in writing within 30 minutes through the competition secretary. At the discretion of the OPI, a fee may be required to submit an appeal and will not exceed \$20.00. This amount should be specified during the initial coaches meeting. The competition secretary will pass the appeal to the Competition TD who will pass it to the Regional or National Authority.

## **2.4 Not Applicable**

## **2.5 TECHNICAL DELEGATES (TDs)**

### **2.5.1 General Regulations**

TDs for Cadet Events are appointed by the Regional/National OPI. TDs are responsible to ensure that events are prepared and conducted in accordance with these rules. Additionally, TDs act as consultants and advisors to the Organizing Committee. Organizing Committees must follow instructions issued by TDs in accordance with these Rules.

### **2.5.2 Selection of TDs**

TDs shall be selected for specific cadet events by the RCSU or by the Director of Cadets for national competitions.

**2.5.2.1** The TD shall be Chairman of the Competition Jury or Juries for the event for which he has been appointed.

**2.5.2.2 Not applicable**

**2.5.2.3** A TD's function shall be valid only for the event for which they have been appointed.

### **2.5.3 Contact with Organizers and Site Visits**

Immediately after being appointed, the TD must establish contact with the organizer. If feasible the TD shall conduct necessary inspections of the event site and meetings with the organizers. TD inspection and meeting visits to event sites must be approved by the OPI.

### **2.5.4 Tasks and Duties of TDs**

The TD must arrive at the event site in sufficient time before the event and must perform all the necessary functions required by these Rules and the circumstances, before, during and after the event. At the end of the event, the TD must attend a critique on how the event was conducted. All Chiefs of the Organizing Committee should attend the critique. The TD is responsible for submitting an After Action Report to the Championship Director or OPI on the specific conduct of the event no more than 30 days after its conclusion. The TD is responsible for directing the IRs (if present) and for their welfare during the event.

#### **2.5.4.1 Detailed Tasks and Duties**

Detailed tasks and duties of TDs are given in Annex B to these Rules.

#### **2.5.5 Not applicable**

#### **2.6 Not applicable**

## **3. COMPETITION FACILITIES AND ARRANGEMENTS**

### **3.1 GENERAL**

The competition facility is the site on which Biathlon competitions and training are conducted, and consists of the stadium area and the course. Located in the stadium area are the start/finish areas, firing range, penalty loop, Relay hand-over zone, ski test area, team wax huts, spectator areas, the necessary Organizing Committee buildings and offices, and parking spaces. The site must be technically suitable, according to these Rules, for facilitating all the types of Biathlon competitions and must offer the best possible viewing of the competitions to spectators.

For run and fire type biathlon competitions, these same rules and specifications apply. It is the organizers responsibility to ensure that the run and fire conditions

reflect the intentions of the rules below.

### **3.1.1 General Requirements**

The start and finish areas, firing range, penalty loop and Relay hand-over zone shall be located on level ground and close together with good viewing of competition activities for the majority of the spectators. These areas and critical parts of the course must be fenced in order to prevent competitors from being impeded or going astray, and to prevent access by unauthorized persons. There must be sufficient space for competitors and competition officials to conduct their required activities and adequate room for team support staff.

#### **3.1.1.1 Maximum Distance**

The competition facility should be no more than 30 km or 30 minutes travel from the teams' living accommodations, unless otherwise approved by the Regional or National Authority.

#### **3.1.1.2 Competition Office**

A Competition Office or sub-office should be located in or near the stadium area. The office shall be open during regular hours during the entire event, beginning on the arrival day, and will be the official interface between teams and the Organizing Committee. Teams must be able to submit entries for competitions at the office and information about the event and competitions must be available in the office. A mailbox for each participating team should be provided in the office.

#### **3.1.1.3 Not applicable**

### **3.1.2 Not applicable**

## **3.2 START AND WARM UP AREAS**

### **3.2.1 General**

The start area for all competitions must be level with the snow well packed and smoothly groomed, and should be visible to spectators. The start line shall be placed at right angles to the skiing direction and will be marked with a red line sunken into the snow. The area must be well fenced and must be suitable for the traffic flow of competitors, team support staff and officials. There must be a warm-up space immediately adjacent to the start area for competitors to perform their final, before competition warm-up and arrangements to take care of warm-up clothing.

### **3.2.2 Individual and Sprint Competition Start Areas**

The start area for Individual and Sprint competitions must be approximately 8 to 10 m long and a minimum of 2 m wide and must be separated from the warm-up area by a fence with an opening to allow controlled access.

### **3.2.3 Pursuit Competition 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 start times in the start list – if there are five starts at the same second then there must be five start lanes. 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 immediately parallel to each other and must be clearly separated. There must be a separate passage or lane which 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 / or video camera can be installed 1.5 m after the start line to record the relative start time of each competitor in case of early start.

#### **3.2.3.1 Pursuit Start Boards**

Separate boards, showing the start numbers and start times for each lane in large print easily readable by competitors and officials, must be positioned in front of the applicable start lanes and at the start line.

### **3.2.4 Relay, Group and Mass Start Competition Start Area**

The start area must be laid out in such a way 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 1.2 m between each set of tracks (measured from center to center), must be set for a minimum of 30 m from the start line. The number of start tracks is to be based on the space available and the number of Relay teams entered, with the objective of having the fewest possible start rows. If there is more than one start row, the 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 straight 50 m of straight, level and smoothly groomed, trackless, gradually converging area, that leads to the competition course.

#### **3.2.4.1 Start Position Boards - Relay, Group and Mass Start Competition**

The start positions should be marked with numbers. There should be the same number of boards as the number of starters in the competition. The number boards are to be placed on the left of each position and to the number should be readable from the front and the rear. The numbers on the boards should be at



least 10 cm high and should be highly visible to the competitors. The start lanes must be numbered from the competitors' right to left.

### **3.2.5 Not applicable**

### **3.2.5 Course Information Boards**

There should be a board at the entrance to the start area on which the course map shows the colour sequence for the competition.

### **3.2.7 Start Clocks**

At the start area for Individual and Sprint competitions, there should be a start clock placed so that it is easily readable from the start line. The display of the clock and the sound signal must be synchronized. For the Pursuit Competitions, there should be a start clock for each start lane. As well, in or near the start area there must be a clock displaying the correct time of day, which should be easily visible to competitors in the area.

### **3.2.8 Equipment / Material Inspection Prior to Start**

The equipment / material inspection prior to the start must be located in close proximity to the start area. Its placement and design must facilitate the smooth, orderly and timely flow of competitors through to the start. The inspection station must have tables and the required equipment and materials to perform the checks.

## **3.3 COURSE AND ASSOCIATED PARTS**

### **3.3.1 General**

The course is the network of ski trails to be used for the competition. It should consist of continuously changing flats, climbs and downhill sections. Extremely long and difficult climbs, dangerous descents, monotonous flats and hills that must be sidestepped should be avoided. Changes in direction of the course must not occur so frequently that a competitor's ski rhythm is seriously disturbed.

#### **3.3.1.1 Not applicable**

### **3.3.2 Width and Length**

The course should have a minimum width of 6 m of groomed snow surface. If required in places like difficult climbs, the trail should be wider. If narrower sections such as bridges or mountain passes are unavoidable, the narrow parts should not be less than 4 m wide or longer than 50 m. The actual length of the course should not differ by more than 5 % from the length specified for the

competition.

### **3.3.3 Setting of Tracks**

If required, tracks will also be laid in downhill sections as directed by the TD. Tracks must not be set in such a way or in places where they may endanger or hinder competitors. The width and depth of tracks must be set so that all regular types of boots and bindings can be used without side friction.

### **3.3.4 Safety**

The course must be prepared so that a competitor may ski it at full speed without undue risk of an accident.

### **3.3.5 Grooming**

Trails must be as level as possible, solidly packed and smoothly groomed. Downhill turns must be banked as necessary. All types of hindrances and obstacles must be cleared from the course, such as stumps, branches, stones and soil. Overhanging or protruding branches must be trimmed so that they do not obstruct or endanger competitors.

### **3.3.6 Marking**

The course must be clearly marked and defined so that at no time a competitor is in doubt how to follow the course. This applies especially to descents, trail junctions and other critical points. Clear markings must be placed at such points. Closed sections of the course and / or junctions must be completely closed off with continuous v-boards or fencing. At 100 m from the finish line, there must be a sign board indicating "Finish -100 m" and at 100 m from the shooting range, there must be a sign board indicating "Range -100 m".

#### **3.3.6.1 Course Sequence Colours**

The course must be uniformly marked on the most visible side in the ski direction by coloured sign boards. The 1.5 Km course must be marked orange, the 2 Km course must be marked red, the 2.5 Km course green, the 3 Km course yellow, the 3.3 Km course blue and the 4 Km course brown. Junctions must be clearly marked with course colours.

#### **3.3.6.2 Shapes**

If possible different shapes can be used with the different colours.

### **3.3.7 Fencing and V-Boards**

All trails that will not be used in the competition must be closed. Trails close to each other must be separated by fences or V-boards so that competitors cannot go on the wrong trail. V-Boards should be well visible, 20 cm high, 1 meter long and made out of heavy material that will not be blown over by the wind.

### **3.3.8 Forerunners**

Immediately before the start of the competition the entire course should be skied before the first competitor's start by a forerunner who will not take part in the competition. While on the course, they will clear it and correct the markings, if required.

### **3.3.9 Course Specifications by Competitions**

Table 1 under 1.3 details the required technical specifications for courses for each type of competition.

### **3.3.10 Relay Hand-over Zone**

In Relay competitions there must be a well-marked 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 should be at least 9 m wide. The hand-over zone should begin at the timing line. The beginning and end of the zone must be marked with a red line in the snow and with a sign at the beginning: "Hand-over". The zone must be fenced along both sides, with one access gate for controlled entry by starting competitors.

**3.3.10.1** The last 50 m of the course before the hand-over zone should be straight. The hand-over zone may only be entered by the incoming and outgoing competitors and by the officials responsible for control of the hand-over zone. At 100 m before the hand-over zone there must be a sign board indicating "100 m".

### **3.3.11 The Penalty Loop**

For the Sprint, Mass Start, Relay, Pursuit and Patrol competitions, a penalty loop should be set up immediately after the firing range – no further than 60 m of skiing distance from the right edge of the range to the entrance of the penalty loop. The loop should be an oval trail which is 6 m wide and 100 m long (plus or minus 5 m), measured along the inside perimeter of the loop. The opening must 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.

**3.3.11.1** The penalty loop should be located in a level area in such a way that no additional distance between the course and the penalty loop has to be skied by the competitors when they have to enter the penalty loop.

### **3.3.12 Ski Test Area**

A ski glide test area should be set up on slightly sloping terrain in or near the stadium area, large enough to accommodate all participating teams, including sufficient space to accommodate the traffic flow ascending the slope. The glide test downhill slope should be an 8° to 12° slope and a minimum of 30 m long. The test area must be prepared and groomed the same as the competition trails. In the ski test area there should be an information board on which the temperature of the air and the snow, at the highest and lowest points of the course profile, shall be shown and updated at three, two and one hours prior to the first start, and thereafter every 30 minutes until the last competitor has started.

### **3.3.13 Warm-up Course**

There should be a separate course, in close proximity to the stadium and with easy access from the team huts, on which competitors can warm up. The course should be approximately 600 m long and must be prepared the same as the competition course but cannot be a part of the competition course. This warm-up course should also be in place for all other events.

## **3.4 FIRING RANGE**

### **3.4.1 General**

The firing range is where all firing takes place during a Biathlon competition. It should be located in the central area of the stadium and both the targets and the firing ramp should be visible to the majority of spectators. The range must be flat and level and must be surrounded by adequate safety berms on the sides and behind the targets. The placement and configuration of the range must be set up with strict regard for safety in relation to the trails, stadium and the surrounding area. The firing direction should be generally north to enhance light conditions during competitions.

**3.4.1.1** The range must conform with all local laws.

### **3.4.2 Specifications and Configurations**

#### **3.4.2.1 Firing Distance**

The distance between the front edge of the firing ramp and the line of targets must be 50 m +/- 1 m (Smallbore) and 10 m +/- 0.2 m (Air Rifle).

#### **3.4.2.2 Not applicable**

### **3.4.2.3 Entrance and Exit**

During training and competition, competitors must enter the range from the left and exit on the right side.

### **3.4.2.4 Levels**

The surface of the firing ramp and the surface on which the targets stand must be near the same level as possible. The firing ramp and the surface on which the targets are placed must be at a higher level than the ground between them by at least 30 cm, and more if required by local snow conditions.

### **3.4.2.5 Space Configurations**

At the rear of the range there should be a fenced off area of 10 to 12 m width (firing 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, coaches and members of the Juries.

### **3.4.3 The Firing Ramp**

The firing ramp is the area at the rear of the range where the competitors lie to fire. The ramp must be totally covered with snow, solidly packed, even, smoothly groomed and not icy (Winter Biathlon only), and the entire area used by competitors during the competition must be level.

#### **3.4.3.1 Firing Lanes**

The firing ramp is divided into firing lanes from which one competitor at a time will fire. Every firing lane should be at least 2.75 m but not more than 3 m wide. The width of the lanes must be marked on both sides on the firing ramp from its front edge for a distance of 1.5 m to the rear with a red-coloured board sunken into the snow so that it is 2 cm below the snow surface. Both sides of each lane must be marked from the ramp to the targets with seven (7) T-posts a maximum of 20 cm high and 15 cm wide in alternating colours matching the background colour of the target numbers that clearly define the lanes but do not interfere with firing. There must be a distance of at least 3 m between the outer edge of the left and right lanes and the start of the safety beams they adjoin. This distance must be maintained from the ramp to the targets.

#### **3.4.3.2 Firing Mats**

Firing mats must be placed at the front part of each firing lane on the firing ramp. The mats should be 200 cm x 150 cm and 1 to 2 cm thick, and made of synthetic or natural fibers with a non-slip surface.

### **3.4.4 Targets**

There are two main kinds of targets used for Biathlon training and competitions - metal and paper. Only metal targets shall be used for competition and only paper targets shall be used for zeroing of rifles. Both paper and metal targets may be used for training. Only targets which are in conformity with the Material Catalogue (Annex A) may be used for Cadet competitions.

**3.4.4.1** The same type of targets must be used for all competitors in one competition.

#### **3.4.4.2 Target Maintenance**

Targets must be well maintained and adjusted, according to the manufacturer's instructions.

#### **3.4.4.3 Target Placement**

The targets must be set up in a level straight line, parallel to the front edge of the firing ramp. They must be level in all directions. The targets must be placed so that the target is in the middle of the width of the lane. The targets must not deviate sideways more than 1° from the right angle lines of their firing lanes. For the smallbore target at 50 meters, the target center should be 80 to 100 cm higher than the surface of the firing ramp. For the air rifle target at 10 metres, the target center should be 18 to 20 cm higher than the surface of the firing ramp.

#### **3.4.4.4 Target Background**

The background behind the targets should be white from the bottom of the target to 1 m above the upper edge of the target.

### **3.4.5 Numbering and Markings**

The firing lanes and the corresponding targets must each have the same number, easily visible, and beginning from the right with number 1. The firing lanes must be numbered on the left and right side at the front edge of the firing ramp. The number signs at the firing ramp must be 30 cm high and 20 cm wide. The number must be printed at the bottom of the sign and be 20 cm high with the lines of the numbers 3 cm in width. The signs must be mounted on a support post of 1 cm thick and 40 cm high – measured from the snow surface to the bottom of the number sign. The size of the target numbers must be 40 cm high with a line width of 4 cm and they must be mounted immediately above the targets. Both the target and firing point number signs must be in alternating colours – black on yellow and yellow on black – starting at number 1 with black on yellow and matching the t-post lane markers.

### **3.4.5.1 Entrance and Exit Boundaries**

At the entrance and exit of the range, 10 m outward from the left and right hand firing lanes, there must be a clear marking. These markings shall indicate the outer edges of the information prohibition zone of the range (zone of silence).

### **3.4.6 Wind Flags**

At competitions and official training, wind flags should be installed at the side of every third firing lane beginning at the right side of lane 1, at 5 m from the firing ramp and 20 m from the target. The flags should be placed so that the top edge of the flag is at the same level as the bottom edge of the targets and can not obstruct direct line of sight to the targets.

### **3.4.7 Rifle Racks**

Suitably placed on the range in front of the coach area, there must be racks for rifles for each participating team during competitions and an adequate number during training. The racks may be used by teams during competition, training and zeroing.

### **3.4.8 Not Applicable**

### **3.4.9 Relay Cups**

At each firing point there must be a cup for ammunition. The cups should have rounded bottoms and must facilitate the easy picking-up of the rounds.

## **3.5 FINISH AREA**

### **3.5.1 General**

The finish zone begins on the competition trail at the finish line and ends at the finish equipment / material and clothing inspection point and should be at least 30 m long and 9 m wide without obstruction. The last 50 m before the finish line should be straight and 9 m wide. Only officials, finishing competitors and authorized media personnel are permitted in the finish zone.

**3.5.1.1** The finish line must be marked by a sunken red line in the snow at a right angle to the incoming trail and clearly visible to the competitors.

### **3.5.2 Finish Equipment / Material Inspection**

The finish equipment / material inspection must be located so that finishing competitors flow into it automatically and can pass through it under supervision. This is particularly important for Relay competitions so that finished competitors

do not obstruct the outgoing trail from the hand-over zone. The finish zone fencing and placement must be set up so that competitors are automatically led into, and have no way of evading the finish equipment / material inspection.

### **3.5.3 Not applicable**

### **3.5.4 Refreshment Point**

There should be a refreshment point after the finish zone, its location to be agreed with the TD, to serve drinks, and to provide paper tissues and similar necessary services to competitors after they finish.

### **3.5.5 Not applicable**

### **3.5.6 Finish Exit Zone**

After the finish zone, there should be an area where the competitors can meet their team staff and retrieve their clothing and materials / equipment.

## **3.6 TEAM WAXING AND WARMING CABINS**

In or very near the stadium area, there should be a sufficient number of shelters, permanent buildings or good quality temporary structures (including tents), in which teams may store equipment, wax skis and keep warm. The cabins should be provided with ventilation – adequate for exhausting wax fumes – lights and electric power outlets, and should be warmed to at least 20 degrees Celsius. Each team should have its own cabin but combining of more than one team per cabin is allowed if work-space and security requirements permit. Two rooms per team should be provided if possible to prevent breathing of waxing fumes by the athletes. If this is not possible, then a separate warming shelter should be provided for the athletes. The cabins should be equipped with locking doors and teams issued with keys. If the entrances cannot be locked, the Organizer must provide security for the cabins. Parking space for teams should be provided within a reasonable distance of the cabins. A loudspeaker of the public address system should be placed near the cabins.

## **3.7 COMPETITOR WAITING ROOM**

Rooms should be provided near the wax cabins as waiting area for the competitors. This can be a part of the stadium building, a separate warming shelter or a tent.



## **4. COMPETITION EQUIPMENT AND CLOTHING FOR EVENTS**

### **4.1 GENERAL RULES**

The term competition materials / equipment and clothing includes all of the materials, equipment, competition gear and clothing which the competitor uses during an event. The definitions and specifications of competition materials / equipment and clothing, are regulated by the Material Catalogue (Annex A).

### **4.2 INSPECTIONS OF EQUIPMENT / MATERIAL AND CLOTHING**

#### **4.2.1 General Rules**

Competitors' materials / equipment and clothing are inspected before the start and after the finish of a competition.

#### **4.2.2 Pre-Start Materials / Equipment and Clothing Inspection**

Competitors must report at the start materials / equipment and clothing inspection area not later than 15 minutes prior to their scheduled time of start to have their skis checked and marked, and their clothing inspected. Rifles must be checked upon arrival on the range prior to proceeding to the start materials / equipment and clothing inspection and before removing the rifle from the range. Competitors who arrive later than 15 minutes before the start, are responsible for the time that it takes to make this inspection / marking, even if this results in a late start. Team reserve rifles are to be brought to the range for inspection and marking, and then must be deposited in the rifle racks. To facilitate the inspection of the rifles, the range must be opened at least 30 minutes before the start of zeroing.

##### **4.2.2.1 Specific Checks at Start Equipment Inspection and Rifle Check**

The following checks are made:

- a. The competitor is wearing his start number;
- b. The rifle shall be safety-checked to confirm it does not contain a live cartridge in the chamber or in its inserted magazine and that the bolt is open to the rear;
- c. The weight, trigger resistance, dimensions and shape of the rifle shall be checked for correctness. The rifle shall be marked with a small sticker affixed to the top front end part of the forestock that must be clearly visible to officials on the range, and the serial number shall be recorded on a check list so that the rifle can be verified in case the sticker falls off;
- d. Skis are marked;
- e. Clothing and other materials / equipment is inspected for correctness.
- f. Magazines inserted in rifles can be spot checked to ensure that they

contain no rounds while not being fired on the firing point.

#### **4.2.2.2 Markings**

Marking of equipment shall be done to prevent unauthorized change of equipment during the competition by using the competitor's start number and colours. Both skis and the rifle shall be marked. The marking shall be made with a coloured sticker, unique for that competition. The control sticker for the rifle must be placed on the top front-end part of the forestock. Stickers must be large enough so they properly adhere to the equipment and remain in place for the duration of the race.

#### **4.2.2.3 Delays Before Start**

Delays before starting times because a competitor reporting late at the equipment inspection area, or corrections that have to be made to clothing or equipment, shall be the responsibility of the competitor. The organizer must provide sufficient staff to ensure prompt equipment inspections and thus prevent late starting times of competitors who have reported in time.

#### **4.2.2.4 Final Check Before Start**

Between one to two minutes prior to the start, a check shall be made of the competitor by the starter's assistant(s) in order to ensure the following:

- a. The competitor is wearing the proper start number;
- b. The skis are properly marked;

#### **4.2.3 Finish Inspection and Rifle Check**

After arriving at the finish and - in Relay competitions - after the handover zone, a check shall be made to confirm the following:

- a. Competitors have finished with at least one marked ski, with the skis and poles in accordance with the Material Catalogue;
- b. Safety check on the rifle before it is removed from the range, ensuring there are no live rounds in the chamber or magazine and that the bolt is open to the rear.

#### **4.2.4 Not applicable**

##### **4.2.4.1 Not applicable**

## **5. TRAINING AND ZEROING**

### **5.1 GENERAL**

Competitors and team staff should be provided the opportunity and the facilities to prepare for the competitions. For that purpose the organizer should provide Official Training times, ski testing facilities and offer the opportunity for competitors to zero rifles and warm-up prior to the competition.

#### **5.1.1 Exceptions**

In extraordinary circumstances, the Competition Jury may close the entire facility or limit training on the facility to certain parts or to specific times.

#### **5.1.2 Not applicable**

#### **5.1.3 Types of Training**

Official Training is the period of time that the Organizer must provide for training on the facility. The facility should be prepared the same as for the competition. Unofficial Training is the time that the Organizer allows for training on the facility other than Official Training, and the facility does not have to be prepared as for the competition. Organizers should allow as much time as is possible in the event program for Unofficial Training – if necessary, firing lanes will be allocated for teams as for Official Training, as directed by the TD.

## **5.2 OFFICIAL TRAINING**

At cadet events the competition facility and course 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 lane will be free until the end of the training period; however, the paper targets will be reserved for the assign province for a further 25 minutes.

## **5.3 RIFLE ZEROING**

### **5.3.1 Zeroing Time**

Prior to the start of a competition, competitors should be given the opportunity to zero their rifles on the range for a period of 45 minutes, which should begin one hour before and end no later than 5 minutes before the first start. A shorter time may be used but it should be at least 30 minutes and end 15 minutes before the

start, and without paper target change.

**5.3.2** Rifle zeroing may take place only on the range and only paper targets will be used for zeroing. Paper targets for zeroing must be placed on the same level and the same distance from the firing point as the competition targets. When two rows of paper are placed, the second row should be below the level of the competition targets. If the paper targets have to be changed during zeroing, the time required for the change will not be deducted from the time allocated for zeroing.

### **5.3.3 Allocation of Zeroing Lanes**

If possible, each team should be allocated one zeroing lane on the range. The allocation of lanes will be determined by random draw conducted under supervision of the TD.

#### **5.3.3.1 Not applicable**

#### **5.3.3.2 Not applicable**

## **5.4 USE OF THE COURSE BEFORE THE START**

For all events, the course shall be open for warming up for entered competitors and team staff until 5 minutes before the start, unless otherwise decided by the jury. All competitors on the course must wear their start numbers. From 5 minutes before the start, skiing on the course is forbidden, but team members may walk on the edge of the course.

## **5.5 SKI TESTING**

It is not recommended to use the competition trails for ski testing. Ski testing must be done in the area assigned for ski testing. In extraordinary circumstances the TD may authorize ski testing on the competition trails.

## **6. START REGULATIONS**

### **6.1 START TYPES AND INTERVALS**

#### **6.1.1 General**

There are four types of starts used in cadet competition: single; simultaneous; group; and group range start. There are three standard start intervals – 1 minute, 30 seconds or five seconds for the pursuit race.

#### **6.1.2 Individual and Sprint Competitions**

For all Individual and Sprint competitions single starts will normally be made, with 30-second intervals. However, shorter or longer intervals shall be permitted if it is best for the competition. For the Sprint competition, group starts can be used. The TD in consultation with the organizer will decide which start type and start interval is the best for the circumstances.

### **6.1.3 Pursuit Competitions**

In all cadet Pursuit Competitions, a normalized start interval of 5 seconds will be used. The start order will be determined from the results of a designated previous competition in the same event.

### **6.1.4 Mass Start Competitions**

Start in the Mass Start competitions should be made in one single simultaneous start of all the competitors. However, it is permissible to start the competitors in waves based on class, category or from results from a previous competition in the same event

### **6.1.5 Relay Competitions**

Start in Relay competitions will be made in a simultaneous start of the first competitor of each team. Subsequent starts of other team members will be made with a tag by the incoming team member in the Relay hand-over zone.

### **6.1.6 Not Applicable**

#### **6.1.6.1 Not applicable**

## **6.2 STARTING POSITIONS AND STARTS**

### **6.2.1 Single Start with Electronic Timing**

Competitors shall stand as close to the gate as possible and will pass through the gate at their starting time.

### **6.2.2 Single Start with Manual Timing**

If only manual timing is used, competitors shall stand with both feet completely behind the start line and will cross the line at their starting time.

### **6.2.3 Pursuit Start**

Competitors must arrive in the start area at least five minutes before the start for placement into the start lanes. They will then be lined up sequentially in their start lanes. If a competitor is not present at the start, an official must stand in his place. Each simultaneous start must be from a separate lane. Physical inspection

of each start will be done by an official located at the start line of each lane. For junior competitors, an official will bar the crossing of the start line by holding their arm horizontally across the end of the lane, and quickly lowering the arm at the exact start time for that lane. Senior and Youth competitors themselves are responsible for starting and must start at their assigned time.

#### **6.2.4 Relay Start**

In Relay competitions the first starters will stand in their assigned start tracks with both feet behind the line marking their start row, or behind their start position if no line is marked. They will cross the line when the designated start signal is given. Subsequent members of a Relay team will stand in the hand-over zone, according to their start sequence, and will start when tagged by the incoming team member.

#### **6.2.5 Group Start**

In group starts, the competitor with the lowest start number of that group shall take position 1, the second lowest position 2, etc. They shall stand as for the Relay simultaneous start and will start when the designated signal is given. This process shall be repeated for each group.

#### **6.2.6 Mass Start Competition Start**

The Mass Start competition will start the same as the first starters in the Relay simultaneous start.

#### **6.2.7 Not Applicable**

#### **6.2.8 Patrol Start**

Each team will be assigned two adjoining firing lanes. The team will stand on the firing ramp behind the firing mats for their assigned lanes. No part of the skis can be forward of the rear edge of the mat. On the sound of a whistle, the race will start with the competitors moving forward adopting their position and engaging their targets.

### **6.3 START SIGNALS**

#### **6.3.1 Single Starts - Electronic Timing**

The start command is given by the electric sound of the start clock – a loud beep, and/or the visual time of the start clock. The starter must not touch the competitor.

#### **6.3.2 Single Starts - Manual Timing**

At single starts without an electronic start gate, the starter shall say "Ready" 10 seconds before the time of start and then count down loudly from 5 seconds before the start, saying "five-four-three-two-one". At the exact start time, the starter shall give the command "Go". The starter must not touch the competitor.

### **6.3.3 Pursuit Starts**

The junior start signal for each Pursuit start is the dropped arm of the lane official. Senior and youth categories will be assigned a start time and must start at that time using the supplied start clock.

### **6.3.4 Simultaneous and Group Starts**

In the Relay, Mass Start and Sprint competition with group starts, the start signal shall be given by a shot from a start pistol or another start device, or with a flag. Verbal warning signals will be given at 1 minute, 30 seconds and "Ready" prior to the start, with the start signal given within 5 seconds after "ready".

### **6.3.5 Start in the Hand-over Zone**

In Relay competitions the Relay hand-over must take place within the hand-over zone in such a way that the arriving competitor touches the body (including torso, arms, legs, hands, feet and head) of the outgoing competitor with his hand.

### **6.3.6 Patrol Starts**

The start signal for the Patrol start is a whistle.

## **6.4 START TIME, EARLY START, LATE START AND FALSE START**

### **6.4.1 Electronic Start Time**

In single starts, the electronically recorded time of activating the gate shall be the start time if the competitors activate the gate within 3 seconds before or 3 seconds after the time designated in the start list.. If a competitor starts more than 3 seconds before the scheduled time, it is an early start. If a competitor starts more than 3 seconds later than the scheduled start time, it is a late start and the time will begin from the scheduled time of start.

### **6.4.2 Manual Start Time**

If only manual timing is used and the start is single, the time of start for competitors is the time stated in the start list. If a competitor starts before the start signal, it shall be an early start. If the competitor starts too late, it shall be a late start.

#### **6.4.2.1 Pursuit Competitions**

The time of start for each competitor shall be the time listed in the start list. In the event of an early start, the competitor will be penalized according to the appropriate disciplinary rule. If a competitor arrives too late at a start, the late competitor must be directed through the spare passage, and the official at that point will record the exact time that the competitor crosses the start line. If the competitor was late by his own or team's fault, his competition time will be calculated from his official start time in the start list. If the cause of the delay was force majeure or incorrect or accidental actions of someone outside his team, his competition time and placement in the Pursuit will be calculated from the time recorded by the official.

#### **6.4.3 Relay, Mass Start and Sprint Competitions with Group starts**

The moment of start is at the time of the start signal.

#### **6.4.4 Hand-over Zone Start Time**

The start time for the Relay team member taking over shall be the moment when the incoming team member enters the hand-over zone by crossing the timing line at the beginning of the zone.

#### **6.4.5 Early Start - Single and Relay Teams**

If an early start occurs in a single competition or in the hand-over zone, the starter's assistant must stop the competitor as quickly as possible after the start line or the hand-over zone and send him back. The competitor must then return to behind the start line - or into the hand-over zone in Relay competitions- and start again. If possible, except in a Relay, the competitors will be restarted at their correct start time through the gate or over the start line in manual. If the correct start time has expired, the time of start reverts to the listed start time. Time thus lost will count against the competitor.

#### **6.4.6 False Start – Simultaneous, Group and Hand-over**

If there is a false start during a Simultaneous or Group start, the assigned officials will stop the competitors at the end of the set parallel tracks. After a false start, there must be a new start. If the Relay hand-over occurs before or after (outside) the hand-over zone, it is a false start and the procedure must be repeated within the zone. A competitor or Relay Team will be considered as having not started if they have made an early start and do not return to start again, correctly.

#### **6.4.7 Late Start**



If competitors are late at the start, they must start at the first possible opportunity as directed by the starter, without obstructing other competitors.

**6.4.7.1** If the competitor was late due to his own fault, his start time will be the one on the start list. If the late start was due to force majeure, the Competition Jury will decide his start time.

## **6.5 START NUMBERS**

### **6.5.1 General**

At Cadet competitions, all competitors must wear a bib which has their start number on it. Competitors are responsible to ensure that their bib numbers remain visible during a competition. The start number, and sequence colour worn by a competitor must be the number and colour assigned for that competitor for that competition by the competition start list.

#### **6.5.1.1 Not applicable**

#### **6.5.1.2 Colour**

The colour of the bib numbers should clearly contrast against the base colour of the cloth.

#### **6.5.1.3 Sizes of Start Numbers**

The sizes which should be used for start numbers in Cadet Competitions are detailed in the Material Catalogue.

### **6.5.2 Start Number Colours by Competitions**

#### **6.5.2.1 Individual, Sprint, Pursuit and Mass Start Competitions**

The start numbers of all competitors should be of the same design. The leader in each category will be assigned a specially coloured bib number.

#### **6.5.2.2 Relay Competitions**

The start number colours within the team shall be red for the starting member, green for the second, and yellow for the third.

### **6.5.2.3 Patrol Competitions**

The start number colours within the team shall be red, green, and yellow.

## **6.6 WEATHER CONDITIONS**

### **6.6.1 Temperature**

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.

### **6.6.2 Wind Chill**

If it is colder than minus 15 degrees Celsius, 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 Organizing Committee and Coaches, will decide whether to start, modify or continue the competition. Changing of the course to be skied may also be done to avoid windy areas. The following Table 2 shows wind chill temperature equivalents.

**TABLE 2 -WIND CHILL TEMPERATURE EQUIVALENTS WIND SPEED IN KM/H**

TEMP °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 TO TABLE 2**

1. This is only a guide - decision to start or not will be made by the Competition Jury in consultation with the Organizing Committee and Coaches.
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.

## **7. SKIING REGULATIONS**

### **7.1 GENERAL**

#### **7.1.1 General Skiing Rules**

Competitors must ski the entire distance of the stipulated competition course in the correct sequence and direction on skis 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 shall be permitted.

##### **7.1.1.1 Did Not Finish**

If competitors withdraw from the competition before the finish, they must inform the first official they meet and will be responsible for returning the start number bib to the finish equipment / material and clothing inspection area as soon as possible.

##### **7.1.2 Carrying the Rifle**

Cadets are not permitted to carry the rifle during competition.

##### **7.1.3 Wrong Course Section**

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

##### **7.1.4 Passing and Giving Way**

A competitor or team in close formation (Patrol Race) who is in position to pass another competitor or team, and wishes to pass, will yell "Track". A competitor or team who is about to be overtaken must clear the course in front of the passing competitor or team at the first yell of "Track", even if the trail is wide enough. However, this obligation does not apply to the last 50 m before the finish line and the last 50 m before the hand-over zone.

##### **7.1.5 Skiing Penalty Loops**

In all competitions in which the shot-penalty is a penalty loop, the competitors must ski the loop once for every missed target immediately after the firing bout.

### **7.1.5.1 Responsibility**

Competitors themselves shall be responsible for skiing the required number of penalty loops immediately after the firing bout. It is not permitted to complete penalty loops at a later time.

### **7.1.5.2 Penalty Loop Error**

If competitors, due to a mistake by the organizer or a target malfunction, ski too many penalty loops, the Competition Jury shall decide on an appropriate time adjustment. The organizer shall ensure, in each competition in which the penalty loop is used that the average penalty loop ski time is recorded based on at least five competitors.

### **7.1.6 Skating at Relay, Mass and Group Starts**

The use of the skating technique in simultaneous or group starts (one or both legs sideways) is prohibited in the tracked portion after the start line in simultaneous or group starts.

## **7.2 OBSTRUCTION**

It is strictly forbidden to impede other competitors in any way at any time during the competition. This prohibition also includes the dropping of objects on the competition course or the firing range in such a way that other competitors are impeded.

## **7.3 EXCHANGING EQUIPMENT, REPAIRS, ASSISTANCE**

### **7.3.1 Exchange of Skis and Poles**

Competitors may exchange one of their skis but only if it is broken or the binding is damaged. Broken poles and straps may be exchanged repeatedly. The replacement skis and poles must be in conformity with the Material Catalogue rules.

### **7.3.2 Glide Performance and Equipment Repairs**

The competitors may not change the glide performance of their skis by the application of any substances during a competition. They may repair their equipment during a competition, provided they receive no assistance from any person.

### **7.3.3 Rifle Repairs, Exchange and Ammunition**

Assistance to repair a rifle shall only be permitted on the firing range, by the

coach, Competition Armourer or a firing point official on the firing range. A rifle may be exchanged only on the firing range. Competitors shall be permitted to receive ammunition only on the firing range.

#### **7.3.4 Refreshments**

Competitors may consume refreshments during the competition. The refreshments may be carried by the competitors or be given to them.

#### **7.3.5 Other Assistance**

Competitors are not permitted to receive any assistance from any person, other than as expressly stated in these Rules.

### **8. FIRING REGULATIONS**

#### **8.1 GENERAL**

##### **8.1.1 Firing Rules**

All firing during training and competition shall take place at the firing range. In a competition competitors shall fire after having completed each of the required sections of the course for the competition, except the last section which shall end at the finish or the Relay hand-over. The firing specifications for all competitions are given in Table 1 under 1.3. When a rifle is taken out of the range area, it must be in a case or a cover bag.

#### **8.2 SPECIFIC FIRING RULES FOR TYPES OF COMPETITIONS**

##### **8.2.1 Selection of Firing Lanes**

Firing lanes will be assigned for all Cadet Competitions.

##### **8.2.2 Relay and Patrol Competitions - Spare Rounds**

- a. In the Relay competition, each competitor must fire the first 5 rounds and if targets remain standing he must use the 3 spare rounds until all 5 targets are hit or until all 8 rounds are fired. If the spare rounds are needed after having fired the first 5 rounds, the spare rounds must be hand loaded one by one – not loaded directly from a magazine.
- b. In the Patrol Race a maximum of 20 rounds (4 magazines) are issued for the first three shooting bouts per team. Unlimited rounds are permitted for the final but of firing. A range official will place the rounds in 3 bowls; 5 rounds (1 magazine) per shooter's bowl and 10 spare rounds (2 magazines) in the center bowl. For the final bout of firing, a range official will place 5 rounds (1

magazine) in each shooter's bowl and 30 spare rounds (2 magazines and 20 loose rounds) in the center bowl. The non-firing competitor can request more ammo at any time as required. When a competitor has hit all five of the targets in his lane, he may fire at the other set of targets assigned to the patrol. The competitor who is firing on this set of targets must first open the bolt and lower their rifle. The cross-firing competitor cannot fire until the other firer has opened their bolt and lowered their rifle. A two (2) minute penalty will be imposed on any competitor who breaks this rule.

### **8.2.3 Rifle Check**

Prior to the official start of the competition (i.e. the first competitor crossing the start line), the rifle must be presented to a Range Official for inspection. When removing the rifle from the range it must be checked again by a Range Official.

### **8.2.4 Responsibilities of the Coach**

During competition the competitor's coach is responsible for placing the rifle and ammo at the firing point prior to the competitor arriving. When the competitor has completed the firing sequence and departed the firing point the coach is responsible for retrieving the rifle and resetting the target. Before moving the rifle the coach must ensure the bolt is to the rear and the rifle is clear and he must keep the muzzle pointing up. The coach is responsible for ensuring that all activities on the range are conducted in a safe manner.

- a. During individual and relay races team coaches may work by themselves or in conjunction with the other coaches from their respective province/northern region.
- b. Coaches are permitted to zero rifles prior to all races.
- c. Coaches are permitted to adjust sights between firing bouts except in the patrol race.
- d. Coaches may coach skiing during all races, except for the Patrol race.
- e. Coaches are permitted to use radios unless the organizing committee issues contrary instructions.

### **8.2.5 Arrival of the Competitor on the Range**

When a competitor arrives on the firing point and proceeds to a lane other than one that has been assigned to his team, the competitor's coach is to have the competitor move to the appropriate lane. A time credit will not be awarded nor will a penalty be applied. Once in the appropriate lane, the competitor must complete the normal firing procedures as detailed for that race.

## **8.3 FIRING POSITIONS**

### **8.3.1 Prone Position**

In the prone position the competitors must comply with the following regulations:

- a. The rifle may only be in touch with hands, shoulder and cheek; and
- b. The lower side of the wrist of the arm supporting the rifle must be distinctly raised from the ground (snow surface).

### **8.3.2 Standing Position**

In the standing position, competitors must comply with the following regulations:

- a. They must stand without any support;
- b. Only their hands, shoulder, cheek, and the area next to their chest next to their shoulder may be in contact with the rifle; and
- c. They may hold the arm supporting the rifle against their chest or prop it against their hips.

#### **8.3.2.1 No Removal of Skis**

Removing one or both skis while shooting, including training and zeroing is prohibited. Placing any kind of object under the skis is also prohibited.

### **8.3.3 Position in Firing Lane**

Competitors must ensure that no part of their body, clothing, materials, or equipment protrudes over the 1.5 m red lines marking the firing lane or the extension of those boundaries while firing. Competitors must also ensure that their rifle muzzle extends over the firing lane.

### **8.3.4 Enforcement**

If competitors are warned by a Range Official that their firing position or their position in the firing lane is not according to the rules, the competitor must immediately make the correction.

## **8.4 FIRING AIDS**

### **8.4.1 Use of Firing Sling and Arm Cuff**

The use of a firing sling and arm cuff is permitted in both the prone and standing position.



## **8.4.2 Use of Magazine**

The use of a magazine is authorized at the discretion of the OPI and only if all competitors have access to rifles with this capability. The five rounds required in each bout of firing may be loaded with the use of a magazine. If rounds are lost from the magazine or fail to fire, a new magazine may not be used for loading and such rounds must be loaded individually. If a magazine is lost, it may be replaced with another magazine.

## **8.5 SAFETY REGULATIONS**

### **8.5.1 General**

Firing is permitted only on the firing range, during officially authorized timings. It is forbidden to make movements with a rifle which might endanger persons, or which may be perceived by others as dangerous. The muzzle of the rifle must remain over the firing line from the beginning to the end of the shooting bout. When the range is open for firing, no one is permitted to be forward of the firing line. At all times, the athlete is responsible for the safety of his actions and rifle.

### **8.5.2 Loading and Unloading**

The rifle may be loaded and unloaded only with the barrel pointing in the direction of the targets or up. To insert a magazine containing bullets into the rifle is part of the loading procedure.

#### **8.5.2.1 Safety Check on the Range after Firing**

After each firing bout the rifle must be unloaded - that is - no round may be left in the chamber or in the inserted magazine and the bolt will be to the rear. At the end of training, competitors must performed the 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 lanes.

### **8.5.3 Aimed Shots**

All shots must be aimed and fired only at the targets.

### **8.5.4 Not applicable**

### **8.5.5 Not applicable**

### **8.5.6 Safety Violations – Closed Bolt**

#### **8.5.6.1 Bolt left closed by competitor when leaving range**

- a. 1st infraction – A two (2) minute penalty; and
- b. 2nd infraction – disqualification.

#### **8.5.6.2 Coach removing rifle from the firing line with bolt closed**

- a. 1st infraction – reprimand to the coach; and
- b. 2nd infraction – coach ban.

#### **8.5.6.3 Bolt closed while rifle on rack**

- a. 1st infraction – reprimand to the coach
- b. 2nd infraction – coach ban

### **8.6 MISFIRES, LOST ROUNDS/MAGAZINES AND DAMAGED RIFLES**

#### **8.6.1 Misfires and Lost Rounds / Magazines**

Misfired or lost rounds, or magazines, may be replaced. Replacement rounds or magazines may be obtained by the competitor from a Range Official by raising a hand and saying "Bullets" or "Ammunition". The Range Official who responds will get the spare rounds or magazine from the competitor's coach and deliver them to the competitor.

#### **8.6.2 Damaged Rifles**

If a rifle needs to be repaired, the competitor may request assistance, but only from the Competition Armourer, a Range Official or their coach. If the rifle cannot be made functional, it may be exchanged for the team's reserve rifle.

##### **8.6.2.1 Reserve Rifle**

A rifle which has been damaged during the competition or malfunctions for technical reasons to such an extent that it cannot be used to continue the competition may be exchanged for a team reserve rifle which has been inspected and marked at rifle check and deposited in the team rifle rack on the range before the competition. The competitor must then continue the competition with the reserve rifle.

##### **8.6.2.2 Rifle Exchange Procedure**

During firing the competitor shall indicate that his rifle needs to be exchanged by raising his hand. When a Range Official responds, the competitor will point to his rifle and say "Rifle" and his unit/team/Province/Territory. The Range Official will inform the coach who will obtain the team's spare rifle from the designated rifle rack and bring it to the competitor.

### **8.6.3 No Time Adjustment**

There shall be no time adjustment for repairing or exchanging a rifle or obtaining a spare magazine or rounds.

### **8.6.4 Response by Range Officials**

All Range Officials must be alert to observe a raised hand or a yell by a competitor for spare rounds, magazine or rifle exchange. The Range Officials must react with a sense of urgency and move quickly to minimize the time required to bring the rounds or to advise the coach on the rifle problem.

## **8.7 TARGET ERRORS AND MALFUNCTIONS**

### **8.7.1 Incorrectly Set Target**

If a competitor is confronted with an incorrectly set target, standing for the prone position or vice versa, the incorrect target shall be set to the correct position immediately by the coach. The competitor will then commence firing from the beginning.

### **8.7.2 Target Malfunction**

If a target fails to function, the competitor must be directed to another target and the defective target must be blocked off immediately. The range official will inform the competitor whether he should continue the firing bout or recommence firing from the beginning.

### **8.7.3 Cross-firing and Target Hit by another Competitor**

If the target on which a competitor is firing is fired on by another competitor, the incorrect firer must be stopped immediately. If no target plates have fallen, the correct competitor may continue firing. If a target plate has been hit, the target must be reset immediately and the competitor then continues firing.

#### **8.7.3.1**

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 must be do.

#### **8.7.3.2**

If competitors cross-fire onto a target not in their firing lane, and no other competitor is firing on that target, they shall 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.

### **8.7.3.3 Not Applicable**

## **8.7.4 Time Adjustments and Responsibility**

In those cases where competitors lose time due to a target error which is not their fault or a target malfunction, the Competition Jury shall make an appropriate time adjustment.

### **8.7.4.1 Own Error**

If competitors make an error such as cross-firing, they themselves will be held responsible and no time adjustment will be made.

## **8.7.5 Scoring of Firing**

For all firing in competitions, a system of scoring the firing must be put in place by the organizer. Each shot that is fired in a competition should be observed by three independent persons or methods.

# **9. THE FINISH, COMPETITION TIME AND RESULTS**

## **9.1 THE FINISH**

### **9.1.1 Moment of Finish**

Finish is the moment when a competitor's or a Relay/Patrol team's competition time ends. When electronic timing is used, the finish occurs when the beam of the electronic sensor at the finish line is broken by the competitor. When manual timing is used, the finish occurs when the competitor crosses the finish line with one or both feet. In Relay competitions the timing is taken from the last member to finish. In Patrol competitions the timing is taken when the last target is hit on the final bout of shooting. If there are still some targets remaining that have not been hit after the 45-minute time limit expires, then a 40 second penalty is added to the team time for each target that has not been hit.

## **9.2 COMPETITION TIME**

The competition time is the period of elapsed time during the competition on which the placing of a competitor or team in the results of the competition are based. The time always includes any penalties or adjustments imposed or awarded by the Competition Jury.

### **9.2.1 Individual Competitions**

In all Individual competitions, the competitor's time is the elapsed time between start and finish plus any shot-penalty minutes imposed.

### **9.2.2 Sprint, Pursuit and Mass Start Competitions**

In all Sprint, Pursuit and Mass Start competitions the competitor's time is the elapsed time between start and finish. In the Pursuit competition and the Mass Start competition, the first competitor to cross the finish line, subject to penalties and time adjustments, shall be declared the winner. This also applies to the rankings of subsequent finishers.

### **9.2.3 Not applicable**

### **9.2.4 Relay Competitions**

In all Relay competitions the competition time of a team member is the elapsed time from the start, or hand-over, to the next completed hand-over to the finish. The total time of a Relay team is the time elapsed between the start of the first member to the finish of the last member. The time of the incoming member stops when they cross the timing line into the hand-over zone and the time of the outgoing member begins at the same moment. During some cadet events, the individual competitor times may be recorded for use in aggregate results or for ranking of athletes for a pursuit Race.

#### **9.2.4.1 Placing in Relay competition**

The placing of Relay teams in the results will be decided by the finishing order of each team's respective last competitors, after time penalties and / or adjustments have been accounted for.

#### **9.2.4.2 Patrol Competitions**

In all patrol competitions the competition time of a team is the elapsed time from the start to the last target being hit on the final bout of firing or until the time limit elapses with the addition of time penalties for targets not hit..

### **9.2.5 Equal Time - Tie**

If two or more competitors/teams have the same competition time, they shall be placed in the results with equal (tie) ranking.

### **9.2.6 Photo-Finish**

When photo finish is employed, a photo finish camera must be installed at the

finish line to record the finish. The camera must be placed exactly in line with the finish line and in such a position that the entire finish line is seen by the camera. If the photo finish record will determine the placings, the decision will be based on the first part of the first foot crossing the finish line. If there is a photo finish, the competition jury will decide the finish order based on the photo finish record.

#### **9.2.6.1 Finish Video Camera**

When a video camera is used, it must be installed in such a way it will record the start numbers of competitors as they cross the finish line.

#### **9.2.7 Not applicable**

### **9.3 TIMING SYSTEMS**

#### **9.3.1 Requirements**

Competition time should be measured electronically backed up by manual timing. Manual timing is used only if the electronic system is not available or fails during the competition. Specifications of timing equipments are given in Annex A.

#### **9.3.2 Units of Measure**

For Cadet Competitions electronically and manually measured competition times must be registered to the second but should be measured to 1/10 (0.1) of a second if possible.

### **9.4 THE COMPETITION RESULTS**

#### **9.4.1 General**

Results are the record of the performance of the competitors or teams in a competition. The organizer shall be responsible for producing and distributing the results on paper or electronically. Provisional and Final Results should include the following information.

- a. Name and location of the event;
- b. Type, time and date of the competition;
- c. Course and weather data;
- d. Names of the Competition Jury members;
- e. Signature of the TD;
- f. Number of entered competitors and total ranked;
- g. Number of did not start and did not finish;
- h. Notes about imposed penalties;
- i. Columns for:

- placing, in ranking order from first to last;
- start numbers;
- last and first names of competitors;
- unit/team;
- shooting penalties per bout;
- shooting penalties total;
- ski times;
- total time, and team time in Relay;
- time behind;

For the Pursuit Competition the times shown will be the time behind the first starter for the winner, followed by the time behind the winner for the remaining competitors.

#### **9.4.1.1 Ties**

If there is an equal competition time, the tied competitors will be given equal ranking in the results, however, there will be no next placing in the results.

#### **9.4.2 Types of Results**

For Cadet Competitions there are two types of results: Provisional and Final.

##### **9.4.2.1 Not applicable**

##### **9.4.2.2 Provisional Results**

Provisional Results are the first official record of the competition produced by the organizer after the last finish. Provisional Results are always subject to protest and must be published and posted at the finish area and competition office as soon as possible after the last competitor has finished. The TD must sign and write the time of posting on the Provisional Results List so that the end of the protest period is clear.

##### **9.4.2.3 Final Results**

The Final Results are the uncontested final record of the competition and should be published immediately after the deadline for protests has passed or as soon as the Competition Jury has made its decisions on protests that have been submitted.

#### **9.4.3 Results Booklet**

The Final Results and other important information of all the competitions should be made into a booklet. The booklet should contain:

- a. The event program;
- b. Participant list by unit / province / territory, competitors;
- c. Decisions of the Competition Jury; and
- d. All Final Results.

#### **9.4.4 Distribution of Booklets and Results**

One copy of the Results Booklet should be distributed to all units / provinces / territories that have participated in the event. If this cannot be done before their departure, the booklets should be sent by mail or made available electronically as soon as it is ready.

### **10. PROTESTS**

#### **10.1 GENERAL**

Protests must be submitted in writing, using the official Protest Form, to the Competition Secretary, for the Competition Jury, and must be accompanied by a fee as determined by the OPI in Stage 1, 2 & 3 and an amount of \$20.00 at Stage 4. If the protest is upheld, the money shall be paid back.

#### **10.2 PROTEST TYPES AND CONDITIONS**

##### **10.2.1 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.

##### **10.2.2 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 zeroing before the competition until 15 minutes after the posting of the Provisional Results. The organizer must make a clear announcement immediately after the Provisional Results have been posted to inform everyone that they have been posted.

##### **10.2.3 Repetition or Annulment**

If the examination of a protest reveals circumstances that are so serious that cast doubt on the sporting merit of the competition, or if the Competition Jury from its own observation comes to the same conclusion, the Competition Jury may decide to repeat the competition or to annul the competition without repetition.



## **11. PENALTIES**

### **11.1 GENERAL**

For penalties, refer to the Cadet Disciplinary Rules (Section 5 of this rulebook).

**12. Not applicable**

**13. Not applicable**

**14. Not applicable**

**15. Not applicable**

## **SECTION 5**

### **DISCIPLINARY RULES**

#### **1. Not applicable**

#### **2. APPLICABILITY**

The Cadet Biathlon Disciplinary Rules are applicable to all members of the CCM and all participants at CCM Biathlon events.

#### **3. CONDUCT LEADING TO PENALTIES AND DISCIPLINARY MEASURES**

**3.1** Athletes are subject to penalties.

**3.2** Coaches, officials and staff of Cadet Biathlon events are subject to disciplinary measures.

**3.3** Penalties and disciplinary measures are imposed for:

- a. Violations of the principles of fair play and unsportsmanlike conduct, especially for offences against the Cadet Event and Competition Rules; and
- b. Endangering or impairing the reputation or the interests of the CCM.

#### **3.4 Not applicable**

#### **4. PREREQUISITES FOR PENALTIES AND DISCIPLINARY MEASURES**

**4.1** Persons who culpably infringe the rules will be subject to penalties or disciplinary measures.

**4.2** In case of inconsequential violation, the organization may refrain from imposing a penalty or a disciplinary measure and may instead rebuke or impose a remedial action.

**4.3** The organization may refrain from a penalty or impose a milder penalty if the athlete makes a sincere attempt to repair the damage that has been caused to the sporting community or the victim.

#### **5. PENALTIES**

Penalties that may be imposed are:

## **5.1 Reprimands**

A reprimand is a warning given to a competition participant. If a second occurrence takes place then the jury will decide on the punishment to be imposed. A reprimand shall be imposed in case of:

- a. Jeopardizing or defaming the honor or reputation of the CCM or its interests;
- b. Insulting the CCM, its members, or persons belonging to its members as well as guests of the CCM;
- c. Violations of rules for which there is no penalty or for which there is not an expressly stated more severe penalty;
- d. Removal of a rifle from the firing line with the bolt closed on the first infraction (reprimand to the coach); and
- e. Bolt being closed while a rifle is on the rack on the first infraction (reprimand to the coach).

## **5.2 Start Prohibition**

An athlete or team shall be prohibited from starting for the following reasons. When assessed, a start prohibition applies for the competition in which the violation occurred or the next competition, as applicable:

- a. Violation of the eligibility requirements in article 1.4 of the Cadet Event and Competition Rules;
- b. Not applicable;
- c. Appearing for start with the wrong start number, or no start number, due to a mistake made by the athlete or his team; or
- d. Violations of the rules regarding official training, zeroing, warm-up, and / or ski testing or safety regulations.

## **5.3 Thirty Second Penalty**

In a pursuit race, a time penalty of thirty seconds shall be imposed on athletes who start up to a maximum of three seconds before the officially assigned start time.

## **5.4 One Minute Penalty**

A time penalty of one minute shall be imposed on athletes or teams for:

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

## **5.5 Two Minutes Penalty**

A time penalty of two minutes shall be imposed on athletes or teams for:

- 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;
- c. Every round not fired if the athlete recommences skiing before he has fired all five shots in an Individual, Sprint, Pursuit or Mass Start competition, all eight shots in a Relay competition, or all twenty shots in the Patrol competition, having not hit all targets;
- d. Committing a minor violation of the principles of fair play or the requirements of sportsmanship;
- e. During the Patrol competition, skiing with more than 30 metres between the first and last members while overtaking another team, entering or exiting the range. This penalty can be imposed on the team once for each loop of skiing;
- f. During the Patrol competition, when a competitor has hit all five of the targets in his lane, they may fire at the other set of targets assigned to the patrol. The competitor who is firing on this set of targets must first open the bolt and lower their rifle. The cross-firing competitor cannot fire until the other firer has opened their bolt and lowered their rifle;
- g. During the Patrol competition, a competitor may load ammunition into the chamber of a fellow team member's rifle, however, only the competitor firing the rifle may operate the bolt. Only one penalty is to be assessed for each shooting bout (5 targets);
- h. During a Patrol competition, every round not fired if the team commences skiing before they have fired all twenty rounds having not hit all the assigned targets;
- i. Bolt left closed by a competitor when leaving range on the first infraction;
- j. Firing more than five rounds in any shooting bout of an Individual, Sprint, Pursuit or Mass Start competition, more than eight rounds in a Relay competition, or more than twenty in a Patrol competition (first 3 bouts). The penalty will be assessed per round fired in excess of the permitted amount;
- k. Remaining in an incorrect firing position that gives an unfair advantage after being warned;
- l. Leaving a live round or a magazine containing live rounds in a rifle at the conclusion of a firing bout on the first infraction; and

## **5.6 Disqualification**

An athlete or team shall be disqualified for:

- a. Taking part in a competition for which they are not eligible;
- b. Violating Article 1.4 Cadet Event and Competition Rules "Eligibility Rules for Competitors and Teams";

- c. Receiving prohibited assistance as defined in these rules from a member of their team staff or non-competing athletes from their team;
- d. Using equipment, rifles or clothing not in conformity with these rules;
- e. Not applicable (See 5.13 a);
- f. Not applicable (See 5.13 b);
- g. Not applicable (See 5.13 c);
- h. Not applicable (See 5.13 d);
- i. Deviating from the marked trail and gaining time (see also 5.13 f);
- j. Using means of propulsion other than skis, poles and their own muscular force;
- k. Not applicable;
- l. Hindering another athlete on the course or range by serious obstruction;
- m. Not applicable (See 5.13 e);
- n. Accepting assistance from any person when repairing equipment or receiving assistance other than from authorized personnel;
- o. For applying any substances during a competition intended to change the glide performance of their skis;
- p. Not applicable (See 5.5 j);
- q. Not applicable (See 5.5 k);
- 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 Cadet Event and Competition Rules;
- u. Not applicable;
- v. Not applicable;
- w. Not applicable (See 5.5 m);
- x. Committing a serious violation of the principles of fair play or the requirements of sportsmanship;
- y. Leaving a live round or a magazine containing live rounds in a rifle at the conclusion of the firing bout on the second infraction; and
- z. Bolt left closed by competitor when leaving range for the second infraction.

## **5.7 Coach Ban**

A coach may be banned from coaching for an event for the following reasons. The coach will be banned from performing any coach duties for the remainder of that particular competition and loses official coach status and may not perform any coach duties relating to that competition. This ban stays in effect until the Final Competition results are issued:

- a. Violating any shooting safety regulations as defined in Article 8.5 of the Cadet Event and Competition Rules;
- b. Removal of a rifle from the firing line with the bolt closed on the second infraction; and
- c. Bolt being closed while a rifle is on the rack on the second infraction.

## **5.8 – 5.9 Not applicable**

### **5.10 Five Minutes Penalty**

A time penalty of five minutes shall be imposed on athletes or teams for:

- a. Receiving prohibited assistance as defined in Article 1.8.2 of the Cadet Event and Competition Rules from team staff or non-competing team Athletes; and
- b. During the Patrol competition, two competitors fire on the same set of targets at the same time.

### **5.11 Ten Minutes Penalty**

A time penalty of ten minutes shall be imposed on athletes or teams for:

- a. Avoiding start or finish controls;
- b. Taking part in a competition with skis or rifle not properly marked;
- c. Modifying equipment, rifle or clothing which has been inspected and marked at start control, in a prohibited way;
- d. Participation in a competition with a start number or start number sequence colour which has not been assigned to them by the competition start list either deliberately or in error;
- e. Exchanging both skis during the competition;
- f. Skiing the course in the improper sequence;
- g. During the Patrol competition, 10 minutes will be added to the team time if a competitor fails to fire a shooting bout; and
- h. During the Patrol completion, 10 minutes will be added to the team time for each ski loop not completed by the team.

### **5.12 Other Time Penalties**

- a. During the Patrol competition, teams that have not completed firing at the 45 minute mark shall cease fire and a time adjustment of 40 seconds will be added to the team time for each target missed; and
- b. During the Patrol competition, teams still on the course at the 45 minute mark will be permitted to ski the remainder of the loop with its time running until the last member of the patrol enters the range.

**6. Not applicable**

**7. Not applicable**

**8. Not applicable**

**9. Not applicable**

## **10. PROCEDURES FOR THE COMPETITION JURY**

**10.1** The composition of the Competition Jury is stipulated in Article 2.3 of the Cadet Event and Competition Rules.

**10.2** The Competition Jury imposes penalties and disciplinary measures based on reports of violations by the TD(s), IR(s), competition officials, or on the basis of observations by its members or as a consequence of protests.

**10.3** Before a Competition Jury can impose a penalty, the affected competitor(s) and their Coach must be given a hearing, if possible and feasible.

**10.4** The Competition Jury shall be independent and not be restricted in the admission or evaluation of evidence in any way.

**10.5** The Regional Cadet Headquarters (for regional events) or Director of Cadets (for national events) will act as the final authority for all jury decisions. Once a coach receives the decision from the Competition Jury, they can appeal the decision in writing within 30 minutes through the competition secretary. A fee of \$50.00 must accompany the appeal. The competition secretary will pass the appeal to the Competition TD who will pass it to the Regional or National Authority.

**11. Not applicable**

**12. Not applicable**

**13. Not applicable**

**14. Not applicable**

**15. Not applicable**

## SECTION 6

### CADET BIATHLON DEFINITIONS AND ABBREVIATIONS FOR PROVINCES AND TERRITORIES

Newfoundland and Labrador	NL
Prince Edward Island	PE
Nova Scotia	NS
New Brunswick	NB
Quebec	QC
Ontario	ON
Manitoba	MB
Saskatchewan	SK
Alberta	AB
British Columbia	BC
Yukon	YT
Northwest Territories	NT
Nunavut	NU



**ANNEXES TO THE  
CADET EVENT AND COMPETITION RULES**

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**MATERIAL CATALOGUE**

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## **ANNEX A**

### **MATERIAL CATALOGUE**

#### **1. GENERAL**

##### **1.1 PURPOSE**

The purpose of the Cadet Material Catalogue is to regulate all aspects of Biathlon competition related material. It is based on the authority of the Cadet Event and Competition Rules and is part of the Rules. The Material Catalogue provides the definitions, current specifications and requirements of all competition related material, the approval process for new materials and the control procedures for enforcing the material regulations. In essence, the Material Catalogue safeguards the:

- a. Principle of fair and equal opportunity for all competitors;
- b. Safety and health of all persons associated with Biathlon competitions; and
- c. Nature and traditions of the sport of Biathlon.

##### **1.2 DEFINITION**

The term material is sub-divided into two major categories - Competition Equipment and Organization Equipment.

###### **1.2.1 Competition Equipment**

Competition equipment refers to all items that a competitor wears or carries for a competition and official or unofficial training during an event. Competition equipment includes skis, poles, bindings, boots, rifle, ammunition and magazines, clothing and accessory equipment such as gloves, goggles and earmuffs and ski clips, etc.

###### **1.2.2 Organization Equipment**

Organization equipment consists of all the other material that is required to conduct a Biathlon competition or training during an event that is not worn or carried by the competitor. Examples of organization equipment are: targets, timing equipment, mats, relay cups, wind flags, signage and equipment measuring devices.

##### **1.3 GENERAL PROHIBITIONS**

As a principle, material is prohibited which:

- a. Affects the natural movement of feet and arms during push off action or those that enhance it (such as spring devices or other mechanisms in skis, poles, bindings or boots);
- b. Makes use of sources of energy not originating from the competitor such as artificial heating devices, chemical energy suppliers, electrical batteries, mechanical aids, etc.;
- c. Affects the external conditions for the competition to the detriment of other competitors, such as changing the track or snow conditions; and
- d. Increases the risk factor for injury of competitors and other persons who are authorized to be present on the competition facility, when used normally.

## **2. Not applicable**

## **3. MATERIAL SPECIFICATIONS**

### **3.1 COMPETITION EQUIPMENT**

Application of the competition equipment rules are at the discretion of the OPI. It is recognized that it may not always be possible to ensure that all competitors have access to equipment that fully conform to these rules.

#### **3.1.1 Competition Skis**

Changes to these regulations will be published as required.

##### **3.1.1.1 Ski Length**

Minimum length of skis is the height of competitor minus 4 cm, maximum no limit. This limitation will be strictly enforced at Stage 4 and will be used as a guideline at other stages. If a competitor is so tall that the commercially produced skis are too short for them according to this rule, the TD may authorize an exception so that the competitor may use the longest commercially available skis of any usual brand.

##### **3.1.1.2 Ski Width**

The ski waist measured under the binding can have a minimum width of 40 mm, maximum no limit.

##### **3.1.1.3 Ski Tip Section**

The minimum width of the ski tip area is 30 mm.

##### **3.1.1.4 Ski Tail Section**

When the un-weighted ski is placed on a flat surface, the height of the ski tail

from the surface must not exceed 3 cm.

### **3.1.1.5 Weight**

The total weight of a pair of skis must be at least 750 grams without bindings. There are no restrictions on the distribution of weight.

### **3.1.1.6 Construction**

#### **3.1.1.6.1 Type of Construction**

No limitations.

#### **3.1.1.6.2 Shaping**

Both skis must have the same type of construction so that there is no difference between the left and the right ski. There are no restrictions on the types of lamination construction used. There are no limitations on rigidity in any direction.

#### **3.1.1.6.3 Gliding Surface**

The entire length of the running surface can either be smooth or slightly grooved in the longitudinal direction. Except for the guiding grooves, the entire length and width of the running surface must be flat. Engraved or impressed climbing aids such as scales or steps are permitted. Devices that are activated by other than the competitor's own muscular power are not permitted.

#### **3.1.1.6.4 Top Surface**

No limitations.

#### **3.1.1.6.5 Edges**

The side walls may not be angled as they extend upwards so that the ski base becomes narrower than the upper surface (wedge form not allowed).

### **3.1.1.7 Stress Properties**

No limitations.

### **3.1.2 Ski Bindings**

There are no restrictions on the type of material used or its make.

### **3.1.3 Competition Ski Boots**

There are no restrictions on the type of material used or its make.

### **3.1.4 Competition Ski Poles**

#### **3.1.4.1 Specifications**

- a. The maximum length of the poles must not be longer than the competitors body height, measured by placing the pole tip on the ski in front of the binding;
- b. The pole must have a fixed length. The shaft must not be telescoping or variable length;
- c. The pole must not have any energy source to improve push such as springs or other mechanical devices;
- d. There is no upper or lower weight limit for poles;
- e. The poles may be asymmetrical. There can be a distinct right and left hand pole;
- f. The pole must not cause changes of the competition conditions such as changes of track or snow conditions;
- g. The hand grip must be permanently fastened to the shaft. There are no restrictions concerning its shape, construction or material;
- h. The strap must be connected to the handgrip or the shaft but may be detachable. It can be adjustable both in length and width. There are no restrictions on materials;
- i. There are no limitations on the shape or material of the shaft or on the mass distribution;
- j. Exchangeable baskets with different geometric features and materials to match different snow characteristics are allowed;
- k. The tip may be connected at any angle to the shaft. One or more tips are allowed. There are no restrictions on materials.

### **3.1.5 Clothing**

The following regulations apply to competitors' apparel:

- a. Appropriate racing suits may be worn at Stages 1 to 3. Appropriate provincial/regional racing suits shall be worn at Stage 4.
- b. Padding is only allowed on the inside of the racing suit. The total thickness of the padding, cloth and lining of the competition garment may not exceed 6 mm when measured in an un-pressed state, except on the back of the suit. On the back, there is no restriction about padding;
- c. On the outside of the sports clothing, no adhesive material such as velcro or tape, wax, resin, glue or any additional stitching (with the exception of the stitching to fasten the padding) may be used. However, non-slip material may be used;
- d. A special device for preventing the shooting sling from slipping down is

allowed on the sleeve of the upper arm.

### **3.1.6 Rifles**

Only rifles authorized by DND are permitted.

#### **3.1.6.4 Specifications**

Rifles used in competitions must meet the following specifications:

- a. Not applicable;
- b. The thickness of the cheek piece must not exceed 40 mm;
- c. Not applicable;
- d. The sighting 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. Not applicable;
- f. The trigger resistance must be a minimum of 0.5 kg;
- g. Not applicable;
- h. The rifle may have a sling and/or a carrying harness. The width of the sling and cuff must not exceed 40 mm;
- i. Not applicable;
- j. Not applicable;
- k. Not applicable;
- l. Not applicable.

### **3.1.7 Ammunition**

Only ammunition issued by DND is permitted.

## **3.2 ORGANIZATION EQUIPMENT**

### **3.2.1 Target Systems**

#### **3.2.1.1 Uses of Targets**

The number and types of targets authorized for use in various competitions are detailed in the Cadet Event and Competition Rules. Targets must be situated, set up, numbered and maintained as detailed in the Cadet Event and Competition Rules.

#### **3.2.1.2 Types of Targets**

There are two main types of targets used for Biathlon training and competitions - metal and paper. These are available in both .22 small bore and .177 air rifle.

### **3.2.1.3 – 3.2.1.16 Not applicable**

### **3.2.2 Wind-flags**

The wind-flags for the firing range must be of a highly visible colour, 10 x 40 cm in size and must be made from thin artificial or natural silk. Flags may not weigh more than 5 grams. Their construction must allow for easy 360 degree rotation, pivoting at a right angle to the flag post.

### **3.2.3 Start Numbers**

#### **3.2.3.1 Sizes**

Start numbers must be of the following dimensions:

- a. Front and Back numbers (required) may be either outline or block figures. Height must be at least 10 cm and the width (of each line of each figure) must be at least 1.5 cm for outline figures and 2 cm for block figures;
- b. Side Numbers (optional) on the start number must be at least 6 cm in height and 1.2 cm in width. The bottom edge of the figures on the side must be spaced 8.5 cm from the bottom edge of the start number;
- c. Leg Numbers (optional) must be 12 cm high and 2 cm wide.

#### **3.2.3.2 Fabric / Materials**

Pullover (vests) start numbers must be made of a smooth fabric, 100% polyester interlock or 100% polyester warp knitting. The start numbers must be tailored to the needs of the competitors and must not impede the movement of their shoulder joints.

### **3.2.4 Timing Equipment**

At all CCM events, computer-supported timing equipment may be used.

### **3.2.5 Relay Cups**

A relay cup is a container on a stand for rounds placed on the ground. The containers must have rounded bottoms and must facilitate the easy picking-up of the rounds.

## **4. Not Applicable**

## **5. INSPECTION PROCEDURES**

### **5.1 General**



Competition and host venue equipment must undergo inspection to ensure that all materials are in compliance with CCM regulations.

## **5.2 Competition Equipment**

The inspections that competition equipment must undergo are detailed in this rule book. Inspections will be conducted primarily by the organizing staff appointed for that purpose or the applicable chief. Competition juries and TD's are responsible for the effective and correct implementation and enforcement of materials inspections.

## **5.3 Organization Equipment**

TD's and applicable chiefs are responsible for ensuring that host venue equipment used within their area of responsibility is functional and conforms to all CCM regulations.

### **5.3.1 Specific Checks**

#### **5.3.1.1 Targets**

- a. Placement and Levels;
- b. Functioning, Paint and Maintenance;
- c. Deformation of face and target plates;
- d. Condition of moving parts;
- e. Position of wires and cables;
- f. Diameter measurement of target apertures;
- g. Centering of prone apertures;
- h. Strike test of target release impulse;
- i. Routing of reset ropes in mechanical systems; and
- j. Backup system for those systems that require electrical power.

#### **5.3.1.2 Timing System**

- a. Principle of operation;
- b. Functioning and maintenance;
- c. Back-up and outage reserve system(s);
- d. Power sources;
- e. Placement of sensors;
- f. Computer capabilities including speed of printed results; and
- g. Interface with electronic target systems (if used).

#### **5.3.1.3 Computers for Start Number Draws**

- a. Functioning and maintenance;
- b. Printers;

- c. Display device or projector;
- d. Software program – validity, possibility of manipulation;
- e. Backup and spares;
- f. Total system interfaces and placement; and
- g. Speed of producing start list.

#### **5.3.1.4 Other Organizational Equipment**

- a. Wind flags – Placement operations and specification;
- b. Relay cups – Placement and specification;
- c. Shooting Mats – Placement and specification;
- d. Rifle racks – Construction, placement and markings;
- e. Lane markers - Placement, colour and no interference with shooting; and
- f. Numbering and Signage - Placement, size and colours.

#### **5.4 Inspection Instruments, Tools, and Materials**

The following is a list of devices required for equipment / material inspections and other checks that should be available to the responsible officials:

- a. Measuring Tapes (50 or 100 m) - For various measurements (ie range and penalty loop);
- b. Water / Bubble Levels - For checking the level of targets;
- c. Not applicable;
- d. Strike Tester - for target plates;
- e. Centering Template – For prone target apertures;
- f. Weight Scale – For weighing rifles and skis;
- g. Not applicable;
- h. Calipers – For measuring the dimensions of skis;
- i. Trigger Weights – For measuring trigger resistance;
- j. Stickers – For applying inspection markings.

## ANNEX B

### DUTIES OF THE COMPETITION JURY, TECHNICAL DELEGATES AND INTERNATIONAL REFEREES

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## **1. COMPETITION JURY**

### **1.1 GENERAL**

The powers, election, composition and various procedures of Competition Jury operations are detailed in the Cadet Event and Competition Rules. This Annex provides additional procedural direction and the specific tasks of the Competition Jury.

### **1.2 SUBSTITUTE CHAIRMAN**

If the Competition Jury Chairman is absent, the remaining Jury members shall appoint a replacement from among themselves to chair the meeting.

### **1.3 COMPETITION JURY MEETINGS**

The Competition Jury will meet when so directed by the Competition Jury Chairman. Meetings will normally be held as follows:

- a. immediately after the team captains meeting where it was elected;
- b. approximately one hour before the start of the competition;
- c. at any time during the competition when directed by the Competition Jury Chairman;
- d. immediately before the last finish in the competition, or as soon as possible after the last firing;
- e. at any other time when a meeting is called by the Competition Jury Chairman.

### **1.4 TASKS OF THE COMPETITION JURY**

The Competition Jury has the following tasks:

#### **1.4.1 Prior to the Competition**

- a. to check if the competition facilities comply with the rules;
- b. to check the eligibility of all competitors registered for the event;
- c. to supervise the draw;
- d. to determine if a competition has to be postponed or annulled due to serious difficulties (such as extreme weather conditions, cold, high winds, etc.);
- e. to restrict or prohibit training on the competition facility due to circumstances such as very wet snow conditions or very little snow, which could jeopardize the conduct of the competitions;
- f. to decide if, and under which conditions, a late entry may be accepted;
- g. to decide if a competitor properly entered for participation may be replaced by a substitute in the case of force majeure;
- h. to decide on protests concerning eligibility of competitors;

### **1.4.2 During the Competition**

- a. to ensure that the competition is conducted according to the Cadet Event and Competition Rules;
- b. to direct the necessary measures if difficulties occur such as heavy fog or a storm which seriously endanger the correct and fair conduct of the competition: an extreme option may be to stop the competition;
- c. to decide on the admission of competitors who arrive late at the start due to force majeure.

### **1.4.3 After the Competition**

- a. to oversee the critical process, which begins immediately after the last finish, for the authorization of the unofficial awards ceremony and the posting of Provisional Results;
- b. to decide on protests;
- c. to impose or reject the penalties on violations reported by the TDs, IRs, Competition Jury members and officials of the Organizing Committee;
- d. to determine necessary time adjustments;
- e. to annul the competition, if necessary;
- f. to order the repeat of a competition, if justified and possible.

### **1.4.4 Before, During and After the Competition**

The Competition Jury must be prepared at all times to decide on all matters which are not covered in the Rules or other regulations.

## **2. TECHNICAL DELEGATES**

### **2.1 GENERAL**

Regulations for the selection, appointment and general duties of TDs are given in the IBU Event and Competition Rules. This Annex provides more specific guidance for the performance of TD duties. TDs appointed for Cadet events must consult both this Annex and the Cadet Event and Competition Rules.

### **2.2 PRINCIPLES OF THE TD FUNCTION**

The TD at a Cadet event has three primary functions:

- a. to represent the CCM in a technical capacity;
- b. to ensure that the event and its competitions are conducted in accordance with the Cadet Event and Competition Rules and with other pertinent Cadet regulations;
- c. to act as a consultant and advisor to the organizer to ensure that the best possible competitions are held. As well, the TD is always the Competition Jury Chairman, an extremely critical position. Additionally, the TD functions as the

leader of the technical group of IRs (if applicable). The TD must conduct his duties with dignity, competence, alertness and objectivity. He must treat competitors, team staffs, organizers and IRs with respect and must demand to be treated correctly, as the technical representative of the CCM, by all persons involved with the event. The TD must stop all attempts by anyone to interfere with his work or to usurp his authority and mandate. In serious cases of interference, the TD must report the circumstances to the OPI. Organizers, teams and IRs must follow the CCM regulations based on directions given by the TD in the preparation and conduct of the event.

## **2.3 CONTACT WITH ORGANIZERS AND SITE VISITS**

### **2.3.1 Establishment of Contact**

Normally the organizers will contact the TD shortly after being advised of the appointment. If this does not happen, the TD must contact the organizer.

#### **2.3.1.1 Continuing Contact and Problem Solution**

After initial contact is established, the TD and organizer may communicate as necessary.

### **2.3.2 Inspections and Site Visits**

A TD should inspect the site of the event for which he has been appointed in time to direct necessary changes in the facility or plans, and to give timely assistance to the organizer.

#### **2.3.2.1 Not applicable**

#### **2.3.2.2 Not applicable**

#### **2.3.2.3 Not applicable**

### **2.3.3 Areas to be Inspected**

During the inspection the following must be confirmed:

- a. the competition facilities are in accordance with the Cadet Event and Competition Rules;
- b. all preparations for the event are in accordance with the Cadet Event and Competition Rules;
- c. the structure of the Organizing Committee is appropriate and officials appointed for the event are properly trained and prepared;
- d. accommodation and food arrangements for teams meet the requirements;
- e. transport plans are functional and distances are within requirements;
- f. transport regulations for rifles and ammunition are clear, and what storage arrangements have been made for rifles and ammunition;

- g. all required safety precautions have been implemented.

### **2.3.4 Inspection Reports**

TDs must make a written report of inspections to the OPI immediately following the inspection. The reports should in particular address unresolved problems and unsatisfactory situations but must also include the information in the following format.

- a. Title name of event, location, date(s) of inspection;
- b. Inspection Party: names and appointments of persons who participated in the inspection;
- c. Inspecting Format: meetings, facility inspections;
- d. Site and Facility Description: general location and character of the site, facility description trails, stadium, range, etc.;
- e. Organizing Committee: general structure, numbers of officials, state of training and qualifications;
- f. Hosting Arrangements: accommodation, meals, transport, ceremonies, social events, media, costs;
- g. Problem Areas;
- h. Conclusion overall summary.

#### **2.3.4.1 Not applicable;**

## **2.4 TD TASKS AT EVENTS**

TDs must perform the following tasks at events:

### **2.4.1 Tasks Prior to Events**

TDs must arrive in due time to check, before the start of the Official Training, whether the competition facilities meet all requirements for training and competition and where changes are required. He must make immediate contact with the Organizing Committee to ensure that:

- a. team captains meetings and draws are prepared;
- b. arrangements for the assembly of the Juries are made;
- c. the entries of the participating units were received in time;
- d. correct reception plans for the teams are ready;

### **2.4.2 Tasks During Events**

#### **2.4.2.1 General**

The TD must work closely with the Competition Chief during the event and each competition, ensuring that all operations are conducted correctly, without incidents and in accordance with the Cadet Event and Competition Rules and other pertinent CCM regulations.

#### **2.4.2.2 Meetings**

The TD must take part in all the meetings of the Organizing Committee, the team captains and the Competition Juries, as well as the draw.

#### **2.4.2.3 Not Applicable**

#### **2.4.2.4 Not Applicable**

#### **2.4.3 Tasks Prior to Competitions**

##### **2.4.3.1 Not applicable**

##### **2.4.3.2 Not applicable**

##### **2.4.3.3 Inspections**

Make a general inspection of the facility.

##### **2.4.3.4 Reports**

Obtain reports of preparedness from the IRs and the Competition Chief.

##### **2.4.3.5 Competition Jury Meeting**

Hold a meeting of the Competition Jury one hour before first start to determine if conditions are suitable for the competition. The TD must obtain reports from the IRs about their areas and from the Competition Chief prior to this meeting.

#### **2.4.4 Tasks During Competitions**

##### **2.4.4.1 General**

Oversee and coordinate the work of the Competition Chief and the IRs, receive reports on the progress of the competition and take remedial actions as necessary.

##### **2.4.4.2 Competition Jury Meetings**

Hold meetings of the Competition Jury as required.



## **2.4.5 Tasks After Competitions**

### **2.4.5.1 Last Finish**

With the Competition Chief, the TD shall direct and coordinate the critical phase that starts immediately after the last finish.

### **2.4.5.2 Provisional Results**

Confirm the correctness of the Provisional Results, sign the result lists and authorize their posting and record the time of posting on the results.

### **2.4.5.3 Not applicable;**

### **2.4.5.4 Not applicable;**

### **2.4.5.5 Evaluation**

Hold an evaluation meeting about the competition for the Competition Chief and the IRs.

## **2.4.6 Tasks After the Event**

### **2.4.6.1 Not applicable;**

### **2.4.6.2 Event Evaluation**

Hold an evaluation meeting about the entire event for all Organizing Committee chiefs and the IRs.

### **2.4.6.3 Written Report**

Prepare a written report about the event and send it to the OPI not later than one month after the event.

### **2.4.6.4 Not applicable;**

## **3. INTERNATIONAL REFEREES**

### **3.1 GENERAL**

The general regulations for the selection, appointment and the work of IRs are provided in the Cadet Event and Competition Rules. This annex supplements the general regulations by detailing specific duties of IRs. IRs are not always employed at Cadet Competitions.

### **3.1.1 Principles of the IR Function**

IRs, like TDs, have the responsibility of being the technical representatives of the CCM at an event, in their area of responsibility and under the direction of the TD. Within their area of responsibility, all of the principles that apply to the TD function shall apply to IRs, except being in the Competition Jury.

### **3.1.2 Notification of Appointment and Preparation**

Shortly after being appointed for an event, the IR will be notified of the appointment by the CCM. The IR is not required to establish formal contact with the organizer except for travel and accommodation arrangements. Once notified of the appointment, the IR must prepare so that he is fully conversant with the current Cadet rules and regulations for his area of responsibility.

## **3.2 IR TASKS AT EVENTS**

IRs have the following tasks for an event.

### **3.2.1 Tasks Prior to Events**

IRs must arrive at the event site in time to prepare prior to the first Official Training: the Material Control IR must arrive in time for the preliminary examination of equipment. On arrival they must report to the TD to announce their presence and to receive briefings and directions. Also they must contact the chiefs from the Organizing Committee for their areas of responsibility and review arrangements, and inspect their areas. If there are problems, they must be reported to the TD.

### **3.2.2 Tasks Prior to Competitions**

In preparation for each competition, the IRs must:

- a. attend all team captains meetings, any other meetings as directed by the TD and meetings held by the chiefs of their areas;
- b. carry out a detailed inspection of their areas and check all plans (checklist) to ensure they are in accordance with the Rules, and direct corrections to be made as necessary;
- c. remain in their areas to oversee preparations and activities;
- d. report to the TD when their areas are ready for the competition;
- e. carry out other tasks as directed by the TD.

### **3.2.3 Tasks During Competitions**

During each competition the IRs must:

- a. remain in their areas to supervise all activities to ensure the correct and orderly conduct of the part of the competition which is their responsibility;
- b. intervene to stop an error from being made;
- c. assist and advise the organizing officials if required;
- d. ensure all safety precautions are being carried out;
- e. report to the TD when significant activities occur such as first start, last start, first firer on the range, last firer on the range, first finish, etc., and if any unusual incident occurs such as an injury, etc.;
- f. observe violations of the Rules and report them to the TD;
- g. carry out any other tasks as directed by the TD.

### **3.2.4 Tasks After Competitions**

At the end of each competition IRs must:

- a. report to the TD that all is clear for their area or report the problems which have occurred and have not been previously reported: these reports must be made immediately when it is possible in order to assist the speedy posting of Provisional Results and the conduct of the unofficial awards ceremony;
- b. report to the Competition Jury about the circumstances of penalties, when so directed;
- c. hold a short evaluation meeting about the competition for the chief and supervisors of the area.

## **3.3 IR AUTHORITY, RESPONSIBILITIES AND ORGANIZATIONAL RELATIONSHIPS**

### **3.3.1 Authority**

IRs are responsible and subordinate to the TD for the appropriate preparations and the correct and orderly conduct of competitions in their areas of responsibility. IRs are not in charge of the conduct of activities in their areas, but are responsible to ensure that all operations are correct. They must maintain close contact with the chiefs of their areas during the entire event in order to accomplish their mission.

### **3.3.2 Specific Areas of Responsibility**

The specific areas of responsibility for IRs within their general areas are:

- a. IR Course: all course matters including configurations of loops, technical specifications, grooming, signage and fencing, control and control points, access control, TV zones layout and enforcement, forerunners, communications, safety and first aid arrangements;
- b. IR Range: all range matters including layout and configurations, specifications, targets and their operation, penalty loop, coaches enclosure, signage and numbering, lane markings, wind-flags, rifle racks, relay cups, grooming, scoring, control procedures, communications, and safety;
- c. IR Start/Finish: all start/finish area matters and timing systems including layout, configurations, specifications, relay hand-over zone, start clock and course sequence board, photo-finish camera for Pursuit, Mass Start and Relay competitions, acting as the photo-finish judge, and finish video camera for all competitions, warm-up area, arrangements for competitors' clothing, grooming, signage and fencing, traffic flow and control, start and finish procedures, communications, timing procedures and equipment, and safety;
- d. IR Material Control: all material control matters including timings, control equipment, preliminary examination of equipment, start and finish control layouts (in consultation with IR Start/Finish), control procedures, traffic flow and control, communications, and safety.

### **3.3.3 Organizational Relationships**

The primary relationships for IRs with the Organizing Committee (direct liaison) are as follows:

- a. IR Course - Chief of Course;
- b. IR Range - Chief of Range;
- c. IR Start/Finish - Chief of Timing (may be a different appointment for some organizers);
- d. IR Material Control - Chief of Timing and/or Material Control Supervisor