



COMANDO TRUPPE ALPINE

Ca.S.T.A. 2020
**Campionati Sciistici delle Truppe
Alpine**

**ALPINE TROOPS SKI
CHAMPIONSHIP**

RULES & REGULATIONS

INDEX

Introduction	3
Calender	5
“Trofeo dell’Amicizia” – “Friendship Trophy”	6
- <i>Generals</i>	7
- <i>Giant Slalom</i>	9
- <i>Cross Country</i>	10
- <i>Biathlon Patrol</i>	11
- <i>Ski-Mountaineering</i>	14
Platoon’s Contest – “ Ten. M.O. S. Buffa” Trophy & “International Federation of Mountain Soldiers” Trophy	19
- <i>Generals</i>	20
- <i>Platoon contest</i>	24
- <i>Endurance Race</i>	28
- <i>Shooting Contest</i>	29
- <i>Hand grenade throwing (precision target)</i>	32
- <i>Chrono Slalom</i>	33
- <i>Chrono Race & Chrono Rescue</i>	34
- <i>Topographic Test</i>	36
- <i>Avalanche search & rescue</i>	39
- <i>Signals Test</i>	40
- <i>Wound Treatment Test in Non - Permissive Environment</i>	42
- <i>Emergency CAS Request Trial</i>	
- <i>Chrono Relay Race</i>	45
- <i>Alpine Skiing patrol race</i>	51

INTRODUCTION

The aim of the Mountain Troops Ski Championship (Campionati Sciistici delle Truppe Alpine – Ca.S.T.A.) is to verify the training level of the subordinate units and strengthen the ties of friendship between allied and partner Countries, Military Sporting Groups and Veteran Alpini Associations.

The following awards are to be assigned:

- Italian Army Sky Champion;
- *Trofeo “Medaglie d’Oro Alpine”* – “Alpini Golden Medals” Trophy (in remembrance of those from the Alpini awarded of the Golden Medal for Valor, the highest Italian military decoration);
- *Trofeo dell’Amicizia* – Friendship Trophy;
- *Trofeo “M.O. Ten. S. Buffa”* (in remembrance of Lt. S. Buffa awarded with the Golden Medal for Valour in 1941) (Italian platoons competition);
- “International Federation of Mountain Soldiers” Trophy (international platoons competition);
- Interforces Trophy.
- *Best Brigade Trophy*.

This handbook establishes the basic rules for all different activities and the procedures followed by the Organizing Committee in order to assign the above mentioned trophies and awards.

1. COMPETITION FEATURES

a. Italian Army Ski Championship

For Italian Army All Ranks competitors, only.

b. Trofeo “Medaglie d’Oro Alpine”

For Italian Mountain Troops (Alpini, Alpini CS and Alpini CSS) representative teams, only.

c. Friendship - CISM Trophy (only CISM Countries)

(1) Open to representative teams belonging to:

- Allied & Partner Countries;
- CISM;
- NATO/EU/UN HQs;
- Italian National Representative belonging to Ce. Add. Alp.;
- Associazione Nazionale Alpini (Veteran Alpini National Association).

(2) The following competitions are scheduled:

- Giant Slalom (Males/Females);
- Cross Country, skating technique (Males: 15 Km race; Females: 10 Km race);
- Ski Mountaineering (Males/Females);

- Biathlon Patrol - Males (or Males/Females): 25 Km race + shooting (0.22"); Females: 15 Km race + shooting (0.22").

d. **Others**

- (1) **Interforces Trophy;**
- (2) **Trofeo "Ten. M. O. Silvano Buffa"** by the Veteran Alpini Association of Trieste, awarded for the Platoon's Contest to best placed Italian team;
- (3) **"International Federation of Mountain Soldiers (I.F.M.S.)"** awarded to the winner of the Platoon's Contest;
- (4) **Best Brigade Trophy;** to be assigned to the best Brigade, ICR to the results obtained in the "Alpini Golden Medals" Trophy.

PROGRAM

DAY	IT ARMY CHAMPIONSHIP	GOLD MEDALS TROPHY	FRIENDSHIP TROPHY – INTERNATIONAL CHAMPIONSHIP	INTERNATIONAL FEDERATION OF MOUNTAIN SOLDIERS TROPHY	PLACE
MONDAY 09.03.20	NLT 14.00 IN-PROCESSING 16.00 ATHLETES PARADE 16.30 OPENING CEREMONY 17.30 BUFFET				SESTRIERE
TUESDAY 10.03.20		08.00 PLATOON'S RACE		08.00 PLATOON'S RACE	PRAGELATO
		10.00 BIATHLON TEAM RACE	10.00 BIATHLON TEAM RACE		PRAGELATO
	11.00 FALLENS COMMEMORATION CEREMONY				SESTRIERE
	21.00 MILITARY BAND CONCERT				SESTRIERE
WEDNESDAY 11.03.20	14.30-15.30 SKI-TOURING RACE	08.00 PLATOON'S RACE	10.00-12.00 GIANT SLALOM	08.00 PLATOON'S RACE	SESTRIERE PRAGELATO
	20.00-21.30 SKI-TOURING RACE	14.30-15.30 SKI-TOURING RACE	14.30-15.30 SKI-TOURING RACE		SESTRIERE PRAGELATO
		20.00-21.30 SKI-TOURING RACE	20.00-21.30 SKI-TOURING RACE		SESTRIERE PRAGELATO
	11.00 TECHNICAL – TACTICAL EX.				COL BOUSSON
	14.00 FOREIGN DELEGATIONS TOAST AND 15.00-18.00 SPONSORS MEETING				SESTRIERE TORINO
THURSDAY 12.03.20 (V.I.P. LUNCH)		09.00 PLATOON'S RACE	09.00 CROSS COUNTRY	09.00 PLATOON'S RACE	PRAGELATO SESTRIERE
	11.00 TECHNICAL – TACTICAL EX.				COL BOUSSON
	12.30 – 13.00 V.I.P. LUNCH				COL BOUSSON
	16.00 ATHLETES PARADE – 16.30 CLOSING CEREMONY 20.30 TORCHLIGHT				SESTRIERE
FRIDAY 13.03.20	OUTPROCESSINAG AND SHUTTLE				SESTRIERE

Ca.S.T.A. 2020

**Alpini Troops
Ski Championship**

**FRIENDSHIP TROPHY
and
INTERFORCE TROPHY**

1. GENERALS FEATURES

The Friendship Trophy is awarded to the best Representative among the National Representatives, the multinational NATO Headquarters Representatives and the National Alpini Association Representative (A.N.A.); Italy is represented by the Army Sports Centre.

The Interagency trophy is awarded within Friendship Trophy races to the best representative of the Italian Armed Forces and State Corps.

Registrations can be carried out in the specific area within the www.meteomont.org website from 2020 February 1st to 2020 February 21st.

Each representative can enroll for the following races:

Female

- Giant Slalom: max. three athletes;
- Cross Country 10kms.: max. three athletes;
- Mountaineering Ski: max. three athletes.
- Biathlon Patrol: max. four athletes;

Male

- Giant Slalom: max. three athletes;
- Cross Country 15 km.: max. three athletes;
- Mountaineering Ski: max. three athletes
- Biathlon Patrol: max. four athletes.

No limitations regarding the FIS and FIS scores.

For the purposes of calculating the overall score for the representative merit ranking, the timing of the two best ranked in the female category and the timing of the two best classified in the men's category will be taken under consideration.

2. FINAL CLASSIFICATION

It is drafted by adding the scores acquired in the individual races, according to the following procedures:

- first classified team: as many points as the number of participating teams plus one;
 - second classified team: two points less than the first;
 - third classified team: one point less than the second;
- in the same way we proceed until the last team which will receive one point.

Jury:

It's composed by:

- Responsible for Sports Activities Sector;
- competition director;
- runway director;
- 2 members drawn from the representatives participating in the Friendship Trophy and designated during the technical meeting.

The male and female races for which there will not be at least 2 Representatives classified in the order of arrival will not involve the assignment of the relative score for the purpose of awarding the Trophies.

GIANT SLALOM

1. GENERALS

The race is divided into two runs and is carried out following FIS and C.I.S.M. regulation.

2. PARTICIPANTS

A maximum of six athletes for each representative, three male and three female.

3. UNIFORM AND EQUIPMENT

Snowsuits, the same within each representative, and equipment compliant with FIS standards. The use of an approved helmet is mandatory.

4. MODALITIES

The starting order of the first round is determined by drawing lots.

The starting order of the 2nd round will be determined by the ranking order of the 1st round excluding the first fifteen for which the inverted order will be adopted: the 15th place will start 1st, the 14th per 2nd and so on .

In case there are two competitors ex-aequo in the 15th place the competitor with the lowest pectoral number will start as first.

5. TECHNICAL NOTE

For all not contained in these rules, the provisions of the FIS / C.I.S.M. Regulations apply.

CROSS COUNTRY

1. GENERALS

The free technique competition takes place according to the rules F.I.S./C.I.S.M. .:

- Male: on the length of 15 Km ;
- Female: on the length of 10 Km.

2. PARTICIPANTS

For each representative, three male and three female athletes are foreseen to be enrolled.

3. UNIFORM AND EQUIPMENT

Equivalent overalls within each representative and equipment complying with FIS / CISM standards.

4. MODALITIES

Individual departure by draw.

5. TECHNICAL NOTE

For all not contained in these rules, the provisions of the FIS / C.I.S.M. Regulations apply.

BIATHLON PATROL

1. GENERAL

The competition is held according to the rules set out in the C.I.S.M. and consists of:

- a. cross country (skating) race of Km. 25/15 m./f., With a total altitude variation between 500 m. and 1200 m .;
- b. a shooting test at a distance of 50 m, with carbine cal. 0.22, in "prone" position, on a 4 cm target. in diameter. Shooting must be performed between km 16 and 21.

Each patrol member, excluding the Commander, has 3 shots to knock down a target.

The competition is valid for the attribution of the Friendship and Interforces Trophies.

2. PARTICIPANTS

A patrol is required for each representative composed by:

- 1 Officer , Non-Commissioned Officer or Corporal, as Patrol Commander;
- 3 Soldiers, Officers, NCOs or ORs lower in rank than the Patrol Commander.

The real composition of the patrol including name and surname of the Commander are due to the Organization NLT 16.00 hrs the day prior to the race.

Any other change is admitted up to one hour prior to the race, due to medical reasons or incidents.

3. PATROL COMPOSITION

A patrol consists of:

- one (1) Officer, NCO or Corporal as Patrol commander (for Military Representatives);
- three (3) patrol members of lower or equal rank of the Patrol Commander (for Military Representatives);

The definitive composition of the Patrol, including the name and surname of the Patrol Commander, must be communicated to the Organizing Committee at the latest in the technical meeting. After this deadline and up to an hour before the start of the first patrol, the only changes in names accepted will be due to illness or accidents.

4. UNIFORM AND EQUIPMENT

Equivalent overalls within each representative and equipment complying with the IBU standards.

5. WEAPONS

Weapons complying with IBU standards.

The patrol commander: does not carry weapons at the starting line, the finish line and the shooting range. He can, however, carry the weapon of one of the patrol members along the remaining course of the race.

For the 3 patrol members: cal. 0.22 biathlon Carbine.

6. **MODALITIES**

Start interval: 3' between each patrol.

Controls: patrols must report to the control area at least 10' before the start time for athletes identification and equipment control. Skies and weapons will be marked.

a. Behavior at the shooting range

- (1) the patrol commander, as shooting director, gives executive orders for the fire to individual patrol members, starting with the left one;
- (2) the shot cannot start before the three patrol members have taken the position "on the ground";
- (3) each patrol must shoot only on his target until it is knocked down or at the exhaustion of ammunition;
- (4) before starting the shot each patrol member puts three cartridges on the firing point. The organization of the firing range will however make available to the athletes, at each pitch, a container with 3 cal. 0.22 rounds to be used if necessary. The total number of shots to be used for the test, however, remains equal to 3. For each shot fired after the third, a penalty of 2' will be applied. An empty magazine can be used to facilitate loading of the first cartridge. If the target is not hit with the first cartridge the other two cartridges are loaded one at a time;
- (5) the firing sequence of the patrol members must take place in the following order:
 - 1st the left patrol member;
 - 2nd the center patrol member;
 - 3rd the right patrol member;
- (6) at the end of the firing activity, the patrol commander must give the order "open", "remove magazine". Patrol members must perform;
- (7) the time taken for the shot is not deducted from the time of the race. The time between the entry and exit from the shooting post is obligatorily timed for each patrol.

b. Penalties

- 30 seconds for each target hit on the 2nd shot;
- 1 minute for each target hit on the 3rd shot;
- 3 minutes for each target not hit;
- 1 minute if a patrol member does not put the three cartridges on the pitch before starting the shot (unless using the ammunition provided by the organization);
- 1 minute if a patrol member shoots before the other two are on the ground;
- 1 minute if a patrol member leaves the position on the ground before the shot of all three patrol members is completed;
- 2 minutes if the patrol does not respect the shooting sequence of the patrol members;

c. Disqualification

The disqualification is scheduled for one of the following reasons:

- if a patrol member shoots more than three rounds;

- if the Patrol does not pass through the check-points along the route including starting and arrival points;
- participation in the competition with non-punctured skis or armament;
- changes of equipment or weapons;
- deviation from the marked track thus gaining an advantage for themselves or for the team, or by covering sections of the track in the wrong direction or sequence;
- serious violations of the safety regulations for shooting;
- loss of the patrol commander or of another member of the patrol;
- acceptance of unauthorized assistance by third parties;
- crossing the finish line with more than 30 seconds of interval between the first and last member of the patrol;
- the patrol which, on the arrival of another patrol which calls for "free run", hinder or prevent being overrun.

7. **TECHNICAL NOTES**

Ranking:

The order of arrival is defined at the end of the race depending on the time taken and the penalties assigned by the judges.

MOUNTAINEERING SKI

1. GENERAL

The individual night race, with classic equipment, starting in line, will take place along the SESTRIERE/BORGATA/PRAGELATO tracks. The overall difference in altitude will be approx. 600 meters overall.

Competitors must follow the itinerary following the marked route.

The competition is valid for the attribution of the Friendship and Interforces Trophies.

2. PARTICIPANTS

Maximum three male and three female athletes for each Representative. Each competitor must be in possession of the medical certificate of physical fitness for the competitive practice of ski mountaineering.

3. CATEGORIES

The categories are as follows:

- Female: Unique category;
- Male: Unique category.

4. UNIFORM AND EQUIPMENT

a. Mountaineering Skis

The skis must have a minimum height of 160 cm for men and 150 cm for women, a minimum width of 60 mm at the ski center, a part considered narrowest part of the whole ski. The measures declared by the manufacturer which assumes total responsibility for the declaration, are taken under consideration.

b. Mountaineering Ski Boots

The boots must be high enough to cover the ankles, they must be set up for quick and safe hooking of the crampons, they must be equipped with a minimum of 2 locks for the descent, one on the hull and one on the knee-high (various types of adhesive tapes and bandages with elastic materials are not considered locks, while strings are allowed).

All locking systems and the soles of ski mountaineering boots placed on the market by manufacturers, provided they are not modified, are considered to be regulatory. Other types of soles and modified soles are allowed, provided they meet the following requirements:

- the sole must be made of a rubber-like Vibram or similar material;
- the sole of each single boot must be notched and must cover at least 75% of the surface;
- the minimum number of notches for boots is 23, of which 15 in the front and 8 on the heel;
- the minimum depth of the notches is 4 mm;
- the minimum external surface of the notches is 1 cm².

c. Ski Bindings

The bindings must be of the type of ski mountaineering and may be fitted with safety straps, at the discretion of the competitor. They must have the possibility

to lock the boot, in the rear part for the descent and must have safety release systems, front and side.

d. **Ski poles**

The ski poles must have a maximum diameter not exceeding 25 mm excluding the padding, metal washers are forbidden.

e. **Thermal blanket**

The thermal blanket must measure 180 x 200 cm.;

f. **ARTVa**

The ARTVa must be internationally standard, worn in contact with the body, working and in transmission throughout the course of the race. The use of only the transmitter is forbidden.

g. **Snow shovel**

The snow shovel must have a minimum size of 20x20 cm, must not have undergone any changes. The name "snow shovel" is given by the manufacturer who assumes responsibility for this name and its functionality.

h. **Avalanche probe**

The probe with a minimum length of 240 cm and a minimum diameter of 10 mm. It must not be changed. The name "snow probe" is defined by the manufacturer who assumes responsibility for its definition, and its functionality.

i. **Backpack with shoulder straps**

The backpack must be equipped with 2 straps for ski carrying and able to contain all the material required by the regulation.

j. **Ski skins**

Each athlete must have three ski skins (two for the race and one spare). For environmental reasons, the use of tape or similar means for improving the smoothness of the ski skins is strictly forbidden.

k. **Upper body clothing**

Must consist of three layers, two long-sleeved ones of the competitor's size, one of which is a windproof layer.

l. **Lower body clothing**

Athletes must be equipped with:

- a pair of pants or overalls of the competitor's size;
- a pair of windproof trousers of the same size.

m. **Helmet**

Each athlete must perform the race with the helmet worn. This helmet must be: mountaineering helmet or for climbing or ski mountaineering, UIAA or CE approved and must be worn throughout the whole race.

n. **Gloves**

Gloves are to be worn throughout the duration of the whole competition.

o. **Headgear**

Cap, band or hood of the suit.

p. **Sun glasses or visor**

q. **Third long-sleeve thermal layer of the competitor's size**

r. **Head-lamp**

It is mandatory and always operational for the whole duration of the race.

5. EQUIPMENT SUPPLIED BY THE ORGANIZATION

The numbers that mark each competitor measuring 15x15 cm must be fixed on the backpack and one on the right thigh.

6. FINAL CLASSIFICATION

The following final classifications will be drawn up:

- Male Absolute;
- Absolute feminine;
- Male and female for each trophy.

7. MARKINGS AND SIGNALS ON THE RACE TRACK

a. Flag colours

Green flag for ski climbing;

Red flag for the ski descend;

Yellow flag for walking paths;

Black and yellow checkered flag to mark dangerous points.

b. Flags Placement

The flags will be placed as follows:

(1) Tracing and uphill signal. In uphill sections, where possible, will make two parallel tracks at least 1.20 m distant from each other;

(2) The uphill flags should be placed between the two tracks, without hindering the progression of the athletes.

(3) On slopes with inversion tracks with very long diagonals, the tracking flags must be positioned, evenly, a few meters (about 5) before and after the inversion and along the diagonals. In the case of very tightly inverted channels, the flags must be positioned between the two tracks, in a central position, on the line of maximum inclination.

(4) Signals of descent. The descent flags must be positioned on the maximum incline line in the center of the determined route. In case of obstacles, a few meters before two yellow and black checkered flags will be positioned forming an X.

(5) Starting area. The starting area must be well defined with appropriate nets or tapes and only athletes and authorized persons can enter it. The only access consists of a corridor within which the ART Va check is carried out and the check of the bib numbers.

(6) Launch area. The first part of the track immediately after the starting line must be completely beaten or have enough tracks to avoid bottling and allow the athletes to line up. It is advisable on the starting grid to separate the male and female categories by means of nets or tapes and to create a preferential throwing corridor (100-150 m) for the female categories in order to facilitate entry into the race with the athletes of the male categories.

(7) Trim change area. The trim change zone must be well defined with special nets or tapes, only athletes and authorized persons can access it. The color of the slatted nets, ribbons or flags that delimit it must correspond to the color of the flags after the exchange area. (ex: red change zone before a ski descent, green exchange area before a ski climb, yellow change zone before

walking).

- (8) Arrival area. The arrival area must be well defined with special nets ribbons or tapes, and only athletes and authorized persons can enter it. It consists of two separate areas connected to each other by a corridor. The first area must be wide enough to guarantee a safe deceleration to the athletes even in the event of a sprint between several pairs. The second one is used to check materials. The eventual end-of-race refreshment must be external to these two areas.

8. COMPLAINTS

Any complaints must be submitted to the Jury in writing within 15 minutes from the publication of the official classification signed by the FISU Technical Delegate.

9. PENALIZATION OR DISQUALIFICATION

The following rules apply for Ski Mountaineering competitions:

- missing skis or boots or helmet or missing ART Va = disqualification;
- competitor who does not transit at a check point = disqualification;
- any action deemed dangerous or which could compromise the safety or the correct execution of the race = disqualification;
- replacement of two ski poles whose breakage has not been ascertained = 3 min.;
- waste abandonment along the route = 3 min .;
- mandatory material missing at the checkpoint or at the finish = from 1 min. to disqualification;
- receive external assistance if not authorized = from 1 min. to disqualification;
- unsportsmanlike behavior = from 1 min. to disqualification;
- change of trim outside the change zone = 3 min.;
- team that does not transit compact at the exit of an trim change zone = from 2 min to disqualification;
- failure to comply with any rule dictated by this regulation = from 1 minute to disqualification.

For organizational and safety reasons, at the end of the first lap a gate will be placed and its passing exceeding the time limit from the departure indicated at the technical meeting will result in disqualification of the athlete.

All decisions will be at the sole discretion of the Jury. For improprieties involving a penalty of 1 min. a disqualification, the amount of the penalty will be established on the basis of the seriousness of the unfairness and the contest context in which it was committed.

10. ATHLETE OBLIGATIONS

The athlete has the following obligations:

- to provide assistance to a person in danger. The Jury will take into account the time taken to provide assistance;
- proceed along the route according to the technique of progression imposed by the race direction (ascent with skis, on foot, with crampons etc.);

- effect changes only within the specific areas as established by the race direction.

11. FACULTY OF THE ATHLETE

The athlete has the right to abandon the race due to force majeure.

The abandonment must be promptly communicated to the nearest control point.

Retired athletes must follow the instructions of the Race Direction for the return to the finish line.

Ca.STA 2020

**Alpini Troops Ski
Championship**

PLATOON'S CONTEST

**“Medal of Honour Lt. Silvano BUFFA”
Trophy**

**“International Federation of Mountain
Soldiers” Trophy**

GENERAL FEATURES

1. INTRODUCTION

It aims to assess the level of technical - tactical preparation and the ability to move on skis of units at the platoon level.

- a. The M.O. "Silvano BUFFA" Trophy is assigned to the winner among the Representatives of the Units organically dependent under the Alpini Troop Command and for the 4th Alpini Paratrooper Regiment and the 2nd Alpini Signal Regiment (historically part of the Alpini Troops);
- b. The "International Federation of Mountain Troops" Trophy is awarded to the winner among the foreign / non-specialized representatives / multinational commands and the platoon winner of the Buffa Trophy 2019 representing the Italian Alpini Troops;

2. PARTICIPANTS

- a. N.1 Platoon from each Regiment and Command and Support Regiment belonging to the Alpini Troops must participate;
- b. The following can participate:
 - platoons of the Representatives of the foreign countries taking part in the event;
 - platoons of the Alpini specialty Units not dependent from the Alpini Troop Command;
 - platoons composed by personnel attending the basic training courses of the Training Institutes.

3. PLATOON COMPOSITION

- a. The platoons must be composed of 14 soldiers as specified below:
 - 1 Platoon Commander, Female or male Junior Officer (for Command and Support Regiments the Commander could be a Senior NCO);
 - 1 Deputy Platoon Commander, Senior NCO (Male/Female);
 - 2 teams, made up of 6 soldiers each (male / female): of which the Commander with the rank between OR4 and OR7 and the other five members with rank between OR1 and OR4;

The platoons of the training institutes are made up of course attendants. The platoon Commander can be taken, where it is foreseen, by the Cadets platoon commanders. When registering, the role played by each member must be specified (Platoon Commander, Deputy Platoon Commander, Team Commander, team members).

- b. In the platoon it is mandatory to include at least 1 female soldiers, regardless of their assignment.
- c. the reserve is optional and can consist of a maximum of 2 soldiers.
- d. For the only "*Buffa Trophy*" all the components of the platoon (14 effective + 2 reserves) must not have participated in the last two editions of the Competition. The check will be carried out according to the 2018 and 2019 starting list. The personnel who took part in the 2019 edition for the wounded trial test and therefore has been replaced between the first and second day of the race can participate.

4. PERSONNEL SELECTION

The candidates can be chosen among all regular soldiers belonging to the Unit.

5. UNIFORM

Winter Battle Dress consisting of the following items:

- Belt (for Opening and Closing Ceremony only);
- Winter Camo Ski Uniform, snowy polychrome arctic soils mod. 2005 or camouflage suit for snow-covered land;
- Headgear black, white or green without signs or writings and equal within the platoon (headgear can be taken off in some parts during the competition under platoon leader orders but keeping equality within the platoon);
- Ski gloves of appropriate color (black, white or olive green), color must be uniform within the platoon
- Sunglasses, black, white or olive green (the color must be uniform within the platoon)
- NORDICA TR-12 or MAESTRALE TA boots, where the two types of boots are not available, even different boots may be authorized, provided they are not inferior weight;
- For the personnel of the foreign platoons, the corresponding materials listed in the previous point, supplied in their Armed Force.

6. EQUIPMENT

a. National personnel:

- (1) 100 liters bag-type vegetative backpack mod.2007 (polychrome model is not allowed), with backpack cover for a snowy environment, containing (annex "G"):
 - minimum 1 liter of beverage at the start ("camelbaks" are allowed and water bottles hooked to the shoulder strap provided they are black, white or olive green, not handcrafted and uniform in platoon);
 - change of linen (socks, t-shirt, underwear);
 - outfit for snowy terrains in polychrome vegetated arctic mod. 2005, composed of over-trousers, double-face high-neck thermal jacket and waterproof jacket (for Alpini Troop Units);
 - campaign raincoat complete with jacket, over-trousers and thermo-lining (for Units not belonging to Alpini Troops);
 - avalanche probe (minimum measurement 2 meters);
 - snow shovel;
 - functioning front lamp;
 - COSMOS model ski helmet in white, with or without ear flaps;
 - Beretta ARX 160 rifle (all versions) with short barrel complete with all its parts, including 1 magazine, with the exception of the bayonet only, the use of AIMPOINT COMP M2 optics is allowed;
 - snowshoeing supplied, to be transported as shown in attachment "B" (they will be used to overcome small sections of route specifically identified for their use);
 - medication package;

- crampons;
- rampant;
- helmet;
- UT 2000 stretcher, one per platoon;
- night viewer, three per platoon;

At the technical meeting will be specified which materials will be required to be included in the backpack.

At check before departure, the weight of the backpack must not be less than 16 kg for the platoon race, including the weapon and seal skins, (weight control is individual); on arrival the total weight of the rucksacks must not be less than the total of 15 kg multiplied by each platoon component arrived at the arrival (cumulative weighing);

- (2) ski skins supplied (supply 2014 or later), it is forbidden to make any changes;
 - (3) PIEPS avalanche detector, supplied by the Unit, worn and turned on in "transmission";
 - (4) skis and ski bindings provided by the Armed Forces (supply 2014 or later), equipped with ski stopper;
 - (5) ski poles supplied (supply 2014 or later), cross country ski poles are forbidden;
 - (6) for the Platoon Commander, in addition to the normal equipment:
 - sketch map of the competition area organized by the Organizing Committee;
 - Compass;
 - binoculars;
 - topographical ruler.
 - (7) for the radiophonist: radio set provided by the organizing committee.
- b. For the personnel of the foreign platoons, the corresponding materials listed in the previous point, supplied in their Armed Force.

7. COMMUNICATIONS REQUIREMENTS

MOTOROLA portable radio station, complete with accessories and spare batteries, to be kept on during the race days.

8. FOOD SUPPLIES

It is allowed to bring food supplies, while it is forbidden to receive supplies, during the race, by personnel not belonging to the organization committee. Along the itinerary and on arrival food and drinks will be distributed, by the Organizing Committee.

9. VEHICLE TRANSFERS

Each platoon must have the means to allow both the inflow / outflow and the movements in the area of the competition.

The movements (times, itineraries, etc.) will be regulated by the Organizing Committee.

10. DISCIPLINE

Discipline and proper military conduct will be evaluated. Any lack of discipline may be punished, at the discretion of the Race Director, with the immediate disqualification of those who conduct inappropriate behavior, with the consequent penalties foreseen for the loss of platoon members.

No smoking policy is to be observed during all races and leaving garbage at any stage of the three-day competition is also forbidden.

11. PLATOON REGISTRATION/ IDENTIFICATION DOCUMENTS

- a. Registration must be made as provided in para. a. of the General Rules of this Regulation.
- b. each member must always have the identification card that will be provided by the organizing committee at the technical meeting.

12. REPLACEMENTS

Replacements are allowed up to 1 hour prior the race start (first day). The replacement has to be chosen among the reserves on the official list and must be endorsed by the Director. After the replacement, the replacement will remain as regular member of the platoon until the end of the race (third day).

13. OUTLINES OF COMPETITION

The following tests are scheduled:

- transfer movements on various types of land with variable difference in altitude to be covered over three days in a known maximum time;
- shooting test;
- precision hand grenade throwing test at a distance of 15 meters;
- time trial descent on the track;
- time trial;
- chrono rescue of an injured soldier on a stretcher;
- topographic test;
- avalanche search & rescue;
- signal test;
- wound treatment trial in non-permissive environment;
- ECAS trial;
- time trial with "alpini relay".

Race routes and related lengths and difference in altitude will be announced during the technical meeting before departure by the Race Director.

14. TRIAL CONDUCT

- a. During the technical meeting and / or on the date and place communicated by the Organizing Committee, the following will be carried out:
 - the draw of the starting order;
 - the distribution of the bib numbers: red for the platoon Commander, blue for the eldest of the team Commanders (Deputy platoon commander) and yellow for the other two team Commanders;
 - the distribution of identification cards.

- b. On the competition days the platoons must present themselves 30' before the departure time to the Judge in charge of the equipment check. Starting range between platoons: 5 minutes.
- c. For the transfer sections, the travel time will be taken as follows:
 - from the start of the competition day to the arrival in the first test area;
 - from the end of the previous test until the arrival in the next test area;
 - from the end of the previous test to the arrival of the day of competition.
- d. In the downhill sections, as it is a tactical technical activity, the helmet must be used, as required by publication 5898.
- e. For the entire duration of the competition each platoon shall ensure the communications by MOTOROLA radio station with the Race Director, using the code names defined by the Organizing Committee according to the assigned bib number (eg Toro 13). The frequencies to be used will be communicated, to the Platoon Commanders, at the technical meeting.
- f. On the second day the starting order will be defined by the inversion of the position in the ranking of the first day (the last classified will start first).
- g. In the transfer sections the platoon must move compact (maximum 45" between the first and last component of the platoon), fixed and mobile control points will be set up.
- h. It is forbidden to follow the platoons by personnel outside the organization; as in all competitions of this kind, only "static" fan support is admitted. Instructions will be given to the Heads of Delegation on how to reach the various places.
- i. In order not to obstruct the platoon checks before departure, only the Corps Commander or his delegate, previously communicated to the jury, eventually accompanied by the Corps Senior NCO, and the General Officers, may enter inside the control boxes (for Italian Platoons only).
- j. The Organizing Committee will communicate the eventual possibility of making reconnaissance on the race routes and, where this possibility exists, the modalities. In any case, if there were no different communications on the matter, from 3 weeks before the start of the race any training activities of any kind in the areas affected by the CA. STA 2020 (PRAGELATO, PRALI, SESTRIERE, CESANA TORINESE, SAUZE DI CESANA, CLAVIERE, OULX, SAUZE D'OULX) must be communicated to the race management at least 2 days in advance.
- k. During the night between the first and second day of the race and between the second and third days the platoons stay in a two-seater tent, (in an area that will be indicated by the Organizing Committee), in the following ways:
 - the two-seater tents are organized by the Unit to which the platoon belongs;
 - during the first day of the competition the platoon support staff (the reserves) must bring 7 tents (one for each two components of the platoon) and 14 packages (one for each platoon component) containing the individual material to camp. for the overnight stay. The package can be a suitcase bag or an old type "polychrome" alpine backpack, bearing the owner's name. Packages must not have externally bound material. The aforementioned materials must be deposited in the area that will be physically occupied by the platoon, which will be indicated by the assigned personnel.

- The platoons will use combat rations, the modalities of supply of the combat rations will be communicated with a separate document;
- on arrival at the camp the platoon mounts the tents and at the restart, on the third day, dismantles the tents and reconditions the area.
- Subsequently the materials are recovered by the platoon support staff.

15. EVALUATION, PENALTY AND CLASSIFICATION CRITERIA

a. Evaluation

The maximum scores for each event are the following:

- Chrono race	700 points
- Chrono rescue of an injured soldier on a stretcher	300 points
- Shooting Contest	325 points
- Hand grenade throwing (precision target)	210 points
- Chrono Slalom	100 points
- Topographic Challenge (2 tests)	265 points (115 + 150)
- Avalanche search & rescue	200 points
- Chrono cross country relay	300 points
- Transfer trial	300 points (each partial)
- Signals test	150 points
- Wound treatment	150 points
- ECAS trial	200 points

b. Penalties

Score reductions:

(1) Personnel losses:

- Platoon Commander:	300 points
- Deputy Platoon Commander	250 points
- Squad Leader	200 points
- other ranks	200 points

- (2) for any personnel not expected, the Platoon compete anyway but will be penalized of 300 points for each component not authorized;
- (3) for each minute (or minute fraction) of delay, over the predefined timetable: 5 points;
- (4) for any kind of external support/intervention (example food supplies, rucksack or weapon transport, or any kind of not authorized support) 50 points;
- (5) for non – uniformity (for every component dissimilar to the Platoon Commander) detected along the path by the check points, a penalty of 10 points for each component of the platoon will be charged;
- (6) non-compliance to the no smoking policy: 50 points;
- (7) for anyone not belonging to the platoon, but belonging to the same representative, who follows or precedes the platoon: 100 points;
- (8) delay to report to the equipment check-point: 5 points per minute.
- (9) at the equipment check, at the beginning and the end of the day, for each piece of clothing or gear aforementioned missing, a penalty of 15 points will be given, multiplied by the number of members of the platoon found lacking;

- (10) at the moment of the check at the start line, if the weight of one or more rucksacks is less than 16 kg, the platoon will not be allowed to start until it is in order and will receive a penalty of 30 points for every missing kg;
- (11) at the moment of the check at the finish line, a penalty of 30 points will be given for every missing kg or fraction of kg;
- (12) a penalty of 20 points will be charged to the platoons that will not transit compactly at checkpoints along the course;
- (13) a penalty of 15 points will be charged for each article of clothing or equipment used other than as required at sections 5.- 6;
- (14) all infringements on what will be disposed during the technical meetings, which are not already encoded by the regulation, will result in a penalty of 10 points for each element of the platoon incurred in the infraction;
- (15) a penalty of 15 points will be applied for each avalanche detector device not turned on (not transmitting) during the competition.
- (16) a penalty of 100 points will be applied for the loss of the identification card provided by the Organizing Committee.
- (17) a penalty of 150 points will be applied in case of weapon transfer between the Platoon Personnel.
- (18) a penalty of 150 points will be applied for use of any lighting equipment during the night transfers.

c. Classification

At the end of each day, the results will be prepared and distributed to the Delegation Representatives.

d. Disqualification

The following actions will cause the disqualification of the Platoon:

- non authorized personnel replacement;
- non reported personnel loss;
- misbehavior with the juries;
- lack/loss of weapon or part of it.

e. Complaints

All claims must be submitted to the Jury in writing within 60 minutes after the publication of the official rankings signed by the official Coordinator.

A claim clearly considered unfounded by the Jury, involves a penalty of 30 points for the applicant platoon.

f. Various

The personnel signed in the platoon competition, cannot participate in the individual events.

ENDURANCE RACE (TRANSFER MARCH)

1. PERSONNEL INVOLVED

Organic Platoon.

2. GENERALS

The endurance march is carried out along the itineraries when no other chrono races are conducted. During the technical meeting, the various sections that will have to be covered in the time defined by the Organizing Committee will be illustrated.

One of the transfers of the first two days of competition takes place during the night, with the help of night vision devices (three or more).

3. SPECIAL RULES

The Platoon Commander must make sure his platoon travels in a compact way and report the passage of his/her last soldier at the arrival or at the technical events, on whose passage the time of arrival of the platoon will be taken.

4. EVALUATION

- The time limits will be previously determined by the Technical Director and reported to the Platoon Commanders during the Technical Meetings.
- The score will be determined by considering a penalty of 5 points for each minute or fraction of minute of delay on the pre-set time.
- The test starts from the start of the day of the race or after the end the previous test;
- The transfer time will be interrupted at the beginning of the next test or the finishline of the day's competition.
- During the night trail is possible use only night visor devices (in case of emergency is possible use light devices informing thru MOTOROLA, at the same time, the Organizing Committee);
- Max score: 300 points.

SHOOTING CONTEST

1. PERSONNEL INVOLVED

13 soldiers of the Platoon. The platoon Commander will be employed as firing director, so he will not perform the test.

2. GENERAL FEATURES

- a. For the performance of the test, regardless of the type of weapon used, ammunition cal. 5.56 x 45mm short throw "F -Air 50" produced by "Fiocchi" will be used.
- b. The shooting test will be performed on one turn per platoon. In addition to the mechanical aiming system, the use of the AIMPOINT COMP M2 optical system is allowed. The foreign platoons can use optical pointing systems with similar technical characteristics to the AIMPOINT COMP M2. Failure to comply with this rule (use of magnification from 2X upwards) will result in a reduction of the score achieved by 1/3.

3. PROCEDURES

- a. When the last soldier of the platoon has crossed the entrance to the shooting range materialized by two white and red poles 150 cm high placed next to the path, the travel time will be interrupted.
- b. Each platoon, upon arrival at the firing range, after presenting the team to a jury manager, will have to line up on 3 rows in the stand-by area that will be assigned to him by a member of the organization. The platoon Commander will give the order to ground the backpack. From that moment the platoon will have at its disposal 5 minutes (unless of a time extension due to the stop for the organizing committee needs) in order to proceed with the reconditioning of the personnel and provide to wear the Personal Protective Equipment (helmet, glasses and earplugs protection / caps, gloves) as a prerequisite for the subsequent shooting test. PPEs must be part of the military equipment. The organization will only support foreign platoons who have flocked to the training area without such devices.
- c. In the event that the platoon, despite being called to move to the shooting line, postpones the movement, a penalty of 30 points for each minute or its fraction of delay will be assigned. (example: if the time extension should result of 57" a penalty of 30 points will apply, if instead it should be 65" a penalty of 60 points will be assigned).
- d. The line will be structured on 13 pitches. In front of each pitch, at a distance of 50 m., a target consisting of n. 5 foldable metal plates of black color with a diameter of 15 cm is placed.
- e. The movement from the stand-by area to the shooting line must be done without skis, on a single row, which will correspond to the shooting order.
- f. The Platoon Commander, will provide the shooting orders.

- g. For the conduct of the test:
- (1) the person in charge of the firing range will order the platoon to get to the firing line;
 - (2) The Platoon Commander will take his Platoon on the firing line, the entry point will report by the two ranging pole white-red 150 cm. high;
 - (3) The Platoon Commander will give the order of "inspect-arm", which will be carried out with the live firing of the weapon facing the targets. It will be necessary to check both the cartridge chamber and the flying sprocket, then, on the judges order, the test shot will be carried out;
 - (4) Afterwards, the order "prone position" will be given;
 - (5) once all the personnel have assumed the "prone position", the platoon Commander will issue the following orders: "load, target at 50 meters, aim, Fire when ready ". From this moment the shooting time will start to count, which should not be longer than 90 seconds. Every second of delay will result in a penalty of 1 point;
 - (6) soldiers, after removing the weapon's safety, will start to shoot. The use of the transport belt for pointing is allowed;
 - (7) any jams must be resolved by the same shooter as a priority or alternatively, by raising the hand, the pitch judge can possibly intervene. In the event that the jam is not resolved the pitch judge will request the intervention of the NCO gunsmith;
 - (8) as the soldiers complete the execution of the 5 rounds, they automatically remove the magazine, close the shutter and make the test shot. Following, they rearm leaving the shutter open and the weapon with the safe on and automatically move into the standing position ready for the weapon inspection.
 - (9) when the last soldier of the line has reached the standing position, the timekeeper will block the time of the trial;
 - (10) following, the platoon Commander will carry out the weapon inspection at the end of which the soldiers will close the shutter making a further test shot;
 - (11) at the end of the weapon inspection, the platoon Commander will give the order to flow from the firing line, in the opposite direction from the entry line.
- h. From the moment the last member of the platoon is released from the firing line, the next transfer time will begin.

4. EVALUATION

A maximum of 325 points will be given (5 points per each positive hit of a target).

5. CLARIFICATIONS

- a. The weapons must be verified by the athlete's Unit before the competition;
- b. At the Ca.STA shooting range, after about 60' from the end of the shooting test of all the platoons, the results obtained by the competitors will be

published. Any claims may be submitted by “representative coordinators” directly to the chief of shooting range within one hour from the publication by filling out a "format" that will be available directly at the shooting range or downloaded from the Ca.STA website.

- c. The chief of the shooting range will provide " representative coordinator " and the organizing committee responsible for the "platoon race", within the same day, adequate evidence of the validity or not of the claim and the consequent measures adopted. To examine the challenged episode, the head of the shooting range will consult the respective judges after viewing videos recorded by the video camera circuit placed at the shooting range, which document both the behavior on the shooting range of the participant platoons and the corresponding shot down targets.
- d. Due to organizational needs, shooting tests within the Ca.STA shooting range other than those programmed on a specific calendar will not be able to be carried out starting from the beginning of the setting up and construction of the shooting range until the end of the competition.

HAND GRENADE THROWING **(PRECISION TARGET)**

1. PERSONNEL INVOLVED

Organic Platoon.

2. GENERALS

The launch area, unique for all the components of the platoon, is constituted of a launching zone and a target represented by a 2 m. diameter circle positioned on a 30° inclination towards the launching zone, at a distance of 15 m.

Each competitor has 3 inert grenades model OD82 available. The launch should take place individually in close succession.

3. PARTICULAR FEATURES

Once the platoon reaches the area of this event, the jury will assign a launching zone. Afterwards, the Platoon Commander will have to:

- Line up the platoon along the corridor of the inflow area;
- Present the force and any additional information to the jury;
- Give the order “equipment on the ground”;
- Communicate when the platoon is ready;
- Start the test, which includes the launch of three hand grenades, with skis worn. Ski skins may be used during the event at the discretion of the Platoon Commander;
- Make each member of the platoon carry out the test, one at a time and in close succession;
- Bring the platoon to the gathering point through the outflow corridor;
- Give the order “equipment on shoulder”;
- Carry out the outflow and begin movement along the planned route.

Each platoon has 6 'from the time when the Platoon Commander gives the "platoon ready" (hand grenades already distributed and first component ready to launch) until the launch of the third grenade of the last component. At the end of the time available (6 ') the test will be interrupted.

4. SCORE

- There are 5 points for each grenade in the target (maximum score: 255 points).
- Grenades that fall inside the target and get out after rebound are considered valid.
- Grenades that fall outside the target and afterwards bounce or roll inside the target are not considered valid.
- Grenades that touch the iron circle and fall within the target are not valid.
- Launches performed from the bottom upwards are not considered valid.

CHRONO SLALOM

1. PERSONNEL INVOLVED

Organic Platoon.

2. COMPETITION FEATURES

The event will be carried out on a path of no more than 300 meters of difference in altitude. The time is calculated from the first man that passes through the start line and the last man in the platoon, which must by regulation be the Deputy Platoon Commander (blue bib number), passing through the finish line.

3. EVALUATION

The ranking will be based on timing. Score will be determined in accordance with the following table:

Position	Score
1	100
2	80
3	60
4	50
5	45
6	40
7	36
8	32
9	29
10	26
11	24
12	22
13	20
14	18
15	16

Position	Score
16	15
17	14
18	13
19	12
20	11
21	10
22	9
23	8
24	7
25	6
26	5
27	4
28	3
29	2
30	1

Platoons classified beyond the 30th position will be awarded with 0 points.

Penalties:

- 10 penalty points for each missed gate by every single component of the platoon;
- 20 penalty points for each component of the platoon that will pass in the finish line after the Deputy Platoon Commander.

CHRONO RACE & CHRONO RESCUE OF AN INJURED SOLDIER ON A STRETCHER

1. PERSONNEL INVOLVED

Organic Platoon.

2. COMPETITION FEATURES

a. Two different chrono events will take place:

- chrono event;
- chrono event with transport of wounded on stretchers UT 2000;

The different lengths will be decided by the Organizing Committee and communicated during technical meetings.

b. Dispositions common to both events:

- The time will be calculated on the last man in the platoon passing through the finish line;
- The Platoon Commander, at checkpoints and at the finish line, will have to make sure that the whole platoon transits compactly, pointing out to the judges the last soldier, on which calculate the platoon's timing;
- In the case some members of the platoon should not end the event (eventual delays of members), this will lead to the penalties provided for the loss of personnel, although it will be possible to continue in the competition carrying out the following events.

c. Specific rules for the time trial with transport of wounded on stretchers UT 2000:

- (1) path length determined by the jury, between 2 and 4 km, with various slopes;
- (2) personnel involved: all members of the platoon;
- (3) wounded will be drawn by the jury among all members of the platoon immediately after the presentation of the force to the President of the jury;
- (4) how to perform the event:
 - the platoon comes to the judge at the starting line with skis and ski skins mounted;
 - the "wounded" will be drawn out of the platoon by the jury;
 - once time will start, the members of the platoon will head towards a marked area where they will assembly the stretcher, and load the injured (seamless);
 - the equipment of the injured soldier (skis, rucksack, weapon and ski poles) will be transported by another member of the platoon (loading of the rucksack and weapon on the stretcher is permitted);
 - it is forbidden to interpose any type of material (example skis) between the stretcher and the snow in order to increase the sliding of the stretcher itself;
 - the use of harnesses, lanyards, slings and carabiners, is allowed.

3. EVALUATION

Two different rankings will be filled out according to the time spent by the platoon.

Based on these rankings, the platoon classified 1st place will be awarded 300 points for the time trial with transport of injured and 700 for the time trial.

All other platoons will receive a penalty that will be calculated based on the timing of the first platoon classified according to a fixed coefficient for each second of delay, which will be announced during the technical meeting. All platoons that were to bring a detachment of more than 700 points for the time trial and 300 for the transport of wounded event will receive 0 points in the single event and a penalty equal to the excess of 700 points for the time trial and / or 300 for the transport of wounded event.

TOPOGRAPHIC TEST

1. PERSONNEL INVOLVED

Four members drawn out of the platoon.

2. COMPETITION FEATURES

The event consists of two tests with independent evaluation. A test that will be carried out even with adverse weather conditions and will involve two of the squad members (excluding Squad Commanders) chosen by draw. The second test will involve 2 (two) platoon members, chosen by draw among the Platoon Commander and the three Squad Commanders. The test will be carried out simultaneously and the two tests will begin when the chosen Commander will have located the indicated point (through military binoculars using the scale on the binoculars, indicating nearby nature references).

a. The details of the tests are as follows:

- First test: Determine Cartesian MGRS coordinates, complete of altitude, of a point "A" (visible on the map placed on a tablet and indicated in an unequivocal manner) and recognize a point "B" on the same map, based on the Cartesian MGRS coordinates provided by the Jury, indicating the azimuth and distance between the two points "A" and "B";
- Second test: determine, from the known station point (which coordinates are written on the registration form of the test, delivered by the race Judge):
 - Cartesian coordinates and elevation of an indicated point (by using the cross indicator inside the eyepiece of the goniometer GM-79);
 - polar coordinates of the same point (azimuth, distance).

b. Time: 3 minutes for the first test and 5 minutes for the second.

c. It is forbidden to use GPS or similar and only for the second test, affix any sign on the map.

d. It is mandatory to use the Unit supplied binoculars and goniometric compass, which, for those who need it, will be available on the test site organized by the organization.

e. On the test site topographic ruler, scalimeter and circular protractor will also be available. In any case, the use of the tools brought by the platoon will be allowed.

f. If adverse weather conditions do not permit the performance of the second test, even only for one of the platoons in the competition, the test will be canceled by the jury and the topography event will be evaluated based on the results of the first test only.

3. EVALUATION

The total score of the topography event is a maximum of 265 points, determined by partial scores of a maximum of 115 points for the first test and 150 points for the second test.

a. First test:

- Determination of the Cartesian coordinates of point "A": 45 points;
- Indication of point "B" from known Cartesian coordinates: 30 points;
- Determination of polar coordinates of point "B": 40 points.

b. Second Test:

- Determination of the target Cartesian coordinates: 90 points;
- Determination of the target polar coordinates: 60 points.

PENALTIES

DETERMINATION AND DESIGNATION OF A POINT THROUGH CARTESIAN COORDINATES			
ERROR	TOLERANCE	I TEST	II TEST
COORDINATES EAST	≤ 20	0	0
	$> 20 \leq 40$	- 7.5 points	- 15 points
	> 40	- 15 points	- 30 points
COORDINATES NORTH	≤ 20	0	0
	$> 20 \leq 40$	- 7.5 points	- 15 points
	> 40	- 15 points	- 30 points
ALTITUDE	Between the upper and lower contour line of the altitude of the correct point	0	0
	Between the upper contour line of the altitude of the correct point and its next, or between the lower contour line of the altitude of the correct point and its next	- 7.5 points	- 15 points
	Errors bigger than the previous	- 15 points	- 30 points

SIGHT DETERMINATION AND DESIGNATION OF A POINT THROUGH POLAR COORDINATES			
ERROR	TOLERANCE	I TEST	II TEST
DISTANCE	≤ 25 meters	0	0
	$> 25 \leq 50$ meters	- 10 points	- 15 points
	> 50 meters	- 20 points	- 30 points
AZIMUT	$\leq 10^{\circ}$	0	0
	$> 10^{\circ} \leq 20^{\circ}$	- 10 points	- 15 points
	$> 20^{\circ}$	- 20 points	- 30 points

For incomplete Cartesian coordinates (partial or total lack of the indication of the zone, 100 km square of side and altitude with relative unit of measurement) half of the points available will be assigned both for the 1st and 2nd test.

AVALANCHE SEARCH & RESCUE

1. PERSONNEL INVOLVED

3 platoon members drawn by the jury.

2. MODALITIES

- a. The chosen members for this event, by using the ARTVA device (PIEPS DSP), probes (minimum of 2 meters) and shovels will have to locate and recover, in a certain amount of time (see Table), within a determined area, a rucksack containing a transmitting ARTVA device buried in the snow that simulates a person hit by avalanche.
- b. the three elements extracted, must present themselves to the jury of the test with the avalanche detector device on “off”. Then, on order, they have to switch “on” and turn in “send” position. Only after the start of the test they can put the ARTVA on the “research” position;
- c. shovel and probe should not be abandoned by the three military until the beginning of the search. After the beginning of the search, shovel and probe can be left on the ground.

3. EVALUATION

Recovery time:

- < 3:00 min. = 200 pts
- < 3:30 min. = 175 pts
- < 4:00 min. = 150 pts
- < 4:30 min. = 125 pts
- < 5:00 min. = 100 pts
- < 5:30 min. = 75 pts
- < 6:00 min. = 50 pts
- < 6:30 min. = 25 pts
- \geq 6:30 min. = 0 pts

SIGNALS TEST

1. PERSONNEL INVOLVED

2 platoon members, randomly selected by the jury.

2. COMPETITION FEATURES

a. Execution

- (1) the two soldiers, once drawn, leave the platoon and gain access to the radio station SDR HH EVO or equivalent turned off (provided by the organization); before the jury representatives they clearly communicate who the radio operator will be and who will take on the role of coadjutor; from this moment the newly designated radio operator is the only one authorized to physically carry out the test; the second soldier can interact with these only verbally (other aids, like precompiled sheets are not allowed for either of the soldiers);
 - (2) the radio operator receives a closed envelope containing the radio link, in which he will find the name of the receiving radio station and that of the transmitting radio station, the working frequency and the reserve one, a pre-written message in English taken from the publication ATP97 NATO LAND VOICE URGENT MESSAGE.
 - (3) at the start of the jury, the soldier turns on the radio and sets both the frequency work and reserve, insert the default password (11111), fills out the form with the Date and Hour form and the radio call and transmits over the air;
 - (4) the maximum time to perform the test is 6' after the start given by the judge, for any type of message extracted, which also includes the time necessary for any evaluations to be carried out together with the collaborator;
 - (5) during operation, the receiving station may request authentication, which must be provided using the attached table "A", or clarifications on the transmission of the message (repetition of words, parts of message, etc.); It is however mandatory, at the beginning of the exercise, to perform a radio check;
 - (6) when the radio operator thinks he has completed the test, he gets up making sure that the radio has been left in the initial conditions (OFF); only in this case the test is to be considered completed correctly;
 - (7) both soldiers gather at the platoon and continue the race.
- b. Communications are carried out in English according to the procedures of the ACP 125 (f);
- c. The pre-compiled message follows the provisions of the "ATP-97 NATO LAND URGENT VOICE MESSAGES (LUVVM) POCKET BOOK, Edition A, Version 1 MAY 2016" and is chosen by the jury from the following:
- Medical Evacuation Request (9 MADAVAC Liner);
 - Mechanism Injury Symptoms Treatment (MIST-AT);
 - Explosive Ordnance (EO) Incident Report (10 LINER);
 - Immediate Action Contact Report (SALTA / WALTA);
 - Emergency Call for Fires - Fire Mission;

- Emergency Close Air Support (ECAS);
 - Emergency Close Combat Attack (ECCA);
 - Situation Report.
- d. The platoons of foreign armies can use their own radio equipment, as long as it is compatible with the SDR HH EVO device. In this case the organization, after checking the compatibility, will arrange it on the test site next to the SDR HH EVO.

3. **EVALUATION**

- a. Passing the test will give the platoon a score of 150 points;
- b. in the absence of a penalty, the test is passed with the maximum score if the message is received at the receiving station without any difference in the text;
- c. Failure to receive the message from the receiving station will result in an evaluation of 0 points.
- d. Failure to receive for each line transmitted.
- e. Penalty:
 - any radio procedure error according to acp125f: -3 points;
 - any compilation error: -3 points;
 - transmission error (words different from those in the text): -3 points;
 - excessive modulation time (transmission operator for more than 20 seconds): -3 points;
 - each line not transmitted: -5 points;
 - radio not switched off at the end of the test: - 2 points.
 - authentication error: -10 points.
 - Failure to transmission of one line will be carry a penalty of 150/nr. lines of the message (for every message that includes five lines the penalty will be - 30 points for every line not transmitted).

WOUND TREATMENT TEST IN NON-PERMISSIVE ENVIRONMENT

1. PERSONNEL INVOLVED

N. 3 soldiers of the platoon, chosen by lot by the jury.

2. CONDUCT

- a. The test consists of:
 - in the treatment of the wounded by two soldiers;
 - in the compilation, in English, of the messages necessary for the evacuation (9 lines and MISTAT) by the 3rd soldier;
- b. The personnel extracted receives a sheet describing the event and important clinical elements, at the same moment the time count will start;
- c. the maximum time to perform the test established by the jury and communicated during the technical meeting according to the exercise, and is declared finished when the MIST-AT is delivered;
- d. the soldiers, before starting the exercise, inform the jury who is treating the injured person (2 people) and who fills in the messages;
- e. The soldiers will find the wounded and all the material for the treatment of the wounds on site;
- f. Treatment must be carried out according to the guidelines:
 - of the TCCC (Tactical Combat Casualty Care - available at http://www.naemt.org/docs/default-source/education-documents/tccc/tccc-ac/updates-1708/00-tccc-ac-guidelines-1708/tccc-guidelines-for-all-combatants-1708.pdf?sfvrsn=7559ca92_2) and as illustrated in the videos published on the COMALP website;
 - BLS (Basic Life Support).
- g. The president of the jury and two members are provided by the School of Health and Veterinary.

3. EVALUATION

- a. The total score of the test is a maximum of 150 points, determined by the partial of a maximum of 110 points for the intervention on the wounded and 40 points for the compilation of the messages.
- b. Any operation on the injured obviously wrong results in a penalty of 5 points.
- c. Each error in the compilation of messages involves a penalty of 3 points;

EMERGENCY CAS REQUEST TRIAL

1. PERSONNEL INVOLVED

The Platoon Commander and # 2 platoon members, by him chosen: an operator, that prepares the message and interacts with the pilot, a clerk.

2. MODALITIES

- a. Maps, GPS *stand alone*, binoculars and rangefinders supplies are allowed. For this specific task *smartwatch, smartphone, tablet* and paper management software are strictly forbidden.
- b. The jury delivers two *format*¹ blank and the Operation scenario to the Platoon Commander. When ready, in 15 minutes he has to: provide the two soldiers all the necessary elements for completing the ECAS request, fill and transmit the ECAS request and interact with the pilot (English language).
- c. The drill will be accomplish only when the friendly position is acquired and “*VISUAL ON FRIENDLY, TALLY TARGET*” about the pilot, inside the 15 minutes deadline.
- d. Trial video registration with *smartwatch, smartphone, tablet* is strictly prohibited.
- e. Every devices must to be left at the Drill Area entry point.

¹ One of them can be used for take notes and the second, signed by the operator, will be as Subject to overall evaluation and filed with the final judgment.

3. ECAS FORMAT

(as per ATP 3.3.2.1 ed D)

DESCRIPTION/NOTES		MESSAGE CONTENT ²
Call Sign to / from		(Aircraft CS) ____ this is ____ (unit CS), requesting Emergency CAS, I'm not a JTAC
A	Target elevation (AMSL in feet)	
B	Target location (WGS84 datum) in MGRS (in 6 digits for an estimated position from the map and 8 or 10 digits for a GPS/laser confirmed position)	-----
C	Target description (composition, disposition and attitude)	----- -----
D	Target marks (smoke, direct fire, LASER, IR pointer, etc.)	-----
E	Nearest friendly location (magnetic degrees azimuth, distance in meters from target, marked by)	-----
F	Any restrictions (presence of civilians or other friendly troops, any active Indirect Fire, other air traffic in the area, effects on target, etc.)	----- -----
<i>do not transmit</i>		
DTG		Operator's rank and surname

Bold must be read

² Reference ATP 3.3.2.1 ed D (Tactics, Techniques and Procedures for CAS and Air Interdiction) Chapter 5 Section V

4. EVALUATION

A maximum of 200 points will be given, determined by the following partial scores:

- Determination of target coordinate: 30 points

ERROR	TOLERANCE	PENALTY
COORDINATES EAST	≤ 5 meters	0
	$> 5 \leq 15$ meters	- 7.5 points
	> 15 meters	- 15 points
COORDINATES NORTH	≤ 5 meters	0
	$> 5 \leq 15$ meters	- 7.5 points
	> 15 meters	- 15 points

- Determination of quote coordinate: 15 points

ERROR	TOLERANCE	PENALTY
ALTITUDE	≤ 41 feet	0
	$> 41 \leq 82$ feet	- 7.5 points
	> 82 feet	- 15 points

- Determination of polar coordinate and *nearest friendly*: 40 points

ERROR	TOLERANCE	PENALTY
DIRECTION	$\leq 1^\circ$	0
	$> 1^\circ \leq 2^\circ$	- 10 points
	$> 2^\circ$	- 20 points
DISTANCE	≤ 25 meters	0
	$> 25 \leq 50$ meters	- 10 points
	> 50 meters	- 20 points

- Message filled out: 60 points

Penalties: any mistake/omission during the message compilation -5 points

- Message transmission: 35 points

Penalties: lack of line transmission: -5 points

line partially incomplete: -2 points

radio will be ON and ready on preset frequency. Authentication won't be necessary; transmission in accordance with ATP 125

- Correlation: 20 points

Penalties: pilot on wrong target -20 points

pilot on target, but no visual on friendly troops -5 points

visual on friendly troops, but no target acquired -10 points

When the pilot declares "Read back", the operator looks forward to more directives meanwhile will be able to answer at any questions. In addition he can use evident object on the ground. The main goal is "*VISUAL ON FRIENDLY, TALLY TARGET*", so the evaluation will concern about the accurate use of the terminology. (for example if an object is oriented in North-South a dissimilar alignment will be a wrong communicate; a pathway is NOT a Street, a X-Crossroad is NOT a simple Crossroad and so on). Repeat one more time the word is not a mistake in case the pilot doesn't understand, but it is very important use suitable correction or an appropriate synonymous with a clear accent.

CHRONO RELAY RACE

1. PERSONNEL INVOLVED

Eight soldiers of the platoon, divided into four relays of two soldiers each, chosen and divided by the Platoon Commander.

2. COMPETITION FEATURES

- a. The test will be carried out with helmet worn, without backpack and weapon on a path of about 1000 meters (500 uphill with a difference in height not exceeding 150 m) to be carried out with skis and ski skins and 500 m of downhill, which each relay must travel once, for an overall length of the race course of about 6 km. The measures may vary according to weather conditions and snow cover.
- b. The run of each single relay must be carried out as follows:
 - Uphill: (length approximately 500 m with a difference in altitude of no more than 150 m) to be carried out with skis and ski skins;
 - Hill top: within an appropriately bounded area, every member of the relay team will have to remove the ski skins (is it mandatory to unhook the skis using the skiing poles) and place them inside the uniform and then block the bindings and skiing boots for the descent;
 - Downhill: (length approximately 500 m with a difference in altitude of no more than 150 m) to go along through a fixed track, marked by gates;
 - Relay: within a zone suitably bounded at the base of the track.
- c. The race will be carried out in different runs. At each run multiple Platoons will compete (the exact number to be determined at the Technical Meeting). The starting grid will be determined according to the inverted temporary ranking of the Contest. The time will be calculated upon the last man of the Platoon that crosses the finish line.
- d. Relays of each platoon will proceed organically; at the end of each lap the last component of the relay will change with the next relay within the transition area by touching the first component of the next relay with one hand.
- e. Penalty: downhill gate miss 10 points, material loss during downhill 10 points for each object, failure to block the bindings and skiing boots before going downhill 20 points;
- f. The withdrawal of a member of the relay will not preclude the change with the next relay but will result in a penalty for the platoon according to the penalty table on page 31.
- g. The Platoon Commander must report the composition of the relay NLT 10.00 hrs the day of the race. Changes are admitted NLT 1 hour before the beginning of the race.
- h. Physical contact is forbidden. The soldier who intends to overtake downhill should avoid contact with the other soldiers. The contact will result in a penalty of 10 points.

3. EVALUATION

The ranking will be based on the first classified Platoon's timing.

300 points will be awarded to the 1st place and then, the other platoons, will be given a penalty (rounded up to the unit), according to a fixed coefficient for each second, which will be communicated during the technical meeting.

Authentication table based on communication time:

	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
58	OL	PL	IU	YT	RT	RF	TD	RE	PA	PL	SW	YG	YG	VH	UH	ET	HU	OI	FD	OK	NK	UH	BJ	NK
56	ZL	BH	DW	RF	DW	ES	OU	RG	PE	BN	YR	SL	DW	OU	NJ	RD	BH	WL	YR	LO	RU	CL	RT	OP
54	BH	UH	OI	HU	OU	RD	GF	FH	AA	VO	MJ	BF	CF	UY	HR	JE	KZ	LA	ZL	KX	BH	CK	VJ	BH
52	YU	TY	UI	JI	HJ	GH	VI	GE	CT	TN	NO	MP	NK	BJ	QW	WE	ER	RT	RY	YG	WA	RD	ES	WA
50	OU	CD	NH	MJ	MK	RD	DW	BN	YR	SL	WA	RD	ES	DW	EP	SO	CD	ZL	RR	PE	BN	YR	OI	XS
48	ER	RT	ZA	WA	RR	OI	HU	RR	IS	WL	QL	NJ	ZA	HU	JU	OU	RT	HT	ES	DW	RG	ZA	SO	UM
46	DW	WA	TE	WA	TF	SO	EP	XS	LQ	IS	WL	QL	RY	TT	RT	RY	WA	OU	DW	SQ	ZA	XS	XS	GR
44	NJ	HB	GV	TF	RD	XS	XS	XK	VF	NH	MJ	TZ	NJ	SW	GR	HT	BM	NG	CK	WL	WA	RY	XK	MK
42	RG	LA	ER	KX	XE	WA	HT	ZA	AA	HU	KO	OK	ER	HT	TZ	WL	LA	PE	BN	YR	SL	MI	ZA	TY
40	GJ	BG	SF	HT	RQ	RD	LI	BH	LQ	IS	WL	RY	RY	WA	RD	HU	OU	CD	TZ	PE	BN	YR	SL	SS
38	HU	OU	RD	GF	EE	ES	TU	ZE	LO	RU	CL	BK	SZ	WI	DW	SQ	ZA	XS	ZA	RR	OI	DG	FE	OI
36	SL	ZW	LQ	IS	WL	QL	RY	NB	EP	QO	AO	SI	DU	FY	CE	PA	OD	TR	DO	AP	OQ	PE	BN	YR
34	HT	GR	HU	MJ	MK	NK	ER	LA	ZL	KX	FC	CK	HU	ER	BK	ZL	GR	EE	ZL	ON	XS	SQ	RU	XS
32	CD	RR	FD	XK	SO	OI	EI	OI	ZT	LA	ZL	KX	RE	PA	RY	RE	PA	XK	MK	NJ	HB	GV	TF	RD
30	QW	NK	EI	NK	ZT	RD	GR	RF	DW	SQ	ZA	PE	BN	YR	GR	YR	NK	DW	NH	MJ	MK	NJ	HB	GV
28	NK	RU	PE	BN	YR	SL	AZ	PE	BN	YR	EE	BK	RR	XK	ZA	ER	RU	YU	NJ	GD	NK	TF	WA	GG
26	ZA	XS	ZL	OI	NJ	HB	GV	TF	RD	OU	XS	NK	ZL	WL	WA	RD	ES	HU	SO	XS	CD	VF	LA	MJ
24	UR	LC	MN	LX	KS	JX	US	AJ	QA	SU	WI	XJ	SK	XL	TU	ZE	LO	RU	CL	BK	BD	OL	EZ	DB
22	OI	SO	UU	XK	SO	BH	EI	GS	ZT	HT	LA	ZL	KX	ZA	TU	HU	SO	XK	UI	LA	OI	KX	NK	CK
20	WD	LQ	IS	WL	QL	SO	NB	KJ	LI	LO	PE	BN	YR	CD	ES	LA	ZL	BH	GF	CK	TC	FD	RY	DG
18	IE	OS	KX	IS	OQ	PA	OD	RT	IU	IN	PR	UZ	NL	RP	QO	SI	XK	SO	TZ	EI	ZI	ZT	EC	IZ
16	SO	TZ	EI	ZI	ZT	YR	XS	CD	VF	NH	MJ	FE	NJ	NK	SO	FE	DW	WA	BK	XS	XK	SX	CD	XK
14	WL	QL	OU	RT	RY	ZL	ZL	CK	CK	DW	GH	OI	OU	ZL	CK	ES	QL	ZA	RD	YR	SL	RT	RY	BD
12	NJ	HB	GV	OI	ER	YR	DW	RR	ZA	XS	YH	WA	RD	ES	ZL	TU	OI	LO	RU	CL	BK	NH	MJ	MK
10	BH	OI	HU	OU	RD	RT	ER	NK	ZR	DW	SQ	TU	XS	XK	YR	XX	AP	OI	TZ	BN	DD	SL	NK	AA
08	XS	YT	WA	RD	ES	GR	ZE	WA	RU	CL	BK	ZA	PO	OI	RD	XE	DE	NK	RT	RY	ZA	DW	WA	ZA
06	XK	TR	HT	IO	OP	CD	SS	XK	XE	ER	TT	TZ	HT	TY	GF	ZA	TR	ZA	PE	BN	YR	SL	OI	BD
04	HB	GV	WL	NK	KI	XK	ZA	ED	EU	ZL	RR	WA	WL	ZA	TZ	DW	OI	ER	RD	ZI	NH	MJ	MK	NJ
02	VF	NH	MJ	MK	NJ	HB	GV	TF	RD	ES	WA	QA	UJ	IK	RT	UJ	HT	GR	MK	NJ	HB	GV	TF	RD
00	SO	TZ	EI	ZI	ZT	RD	HT	PE	BN	YR	UI	IU	ED	BH	LQ	IS	WL	QL	TU	NB	XK	RE	ER	XK

The table is used as follows:

- who requires authentication must use the AUTHENTICATE TIME ... procedure as a reference system for the time it is transmitting. ;
- the correct answer is the pair of letters contained in the box identified by the intersection of the minute line with the hour column, must be communicated through the procedure I AUTHENTICATE ...;
- if the number of minutes is odd (eg 43) it must be approximated by default and the minute 42 is taken as reference;

- example:

RED1 this is BLU3 AUTHENTICATE TIME 12:42

BLU3 this is RED1 THE AUTHENTICATE ECHO ROMEO

The same authentication would be valid for TIME 12:43.

Backpacking



