



Federal Agency for Sport, Tourism and Youth Policy of the Russian Federation

Saint-Petersburg Committee for Physical Education and Sports

Federal Agency for Physical Education, Sport and Tourism in the Republic of Karelia

Automobile Federation of St. Petersburg and Leningrad Region

Sport Tourism Federation of the Republic of Karelia

ATV Trophy Raids Committee of the Russian Motorcycling Federation

“Ladoga Trophy Raid” Sports and Sport Tourism Development Foundation

Saint-Petersburg Off-road Club PO

REGULATIONS

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Ladoga Trophy Raid is the sports and tourism event organized in compliance with Federal law “On Physical Culture and Sports in the Russian Federation” approved by local authorities at whose territories the event takes place.

Ladoga Trophy Raid regulatory documents:

The current Regulations;

Technical Requirements for cars, ATV, motorcycles and bicycles within different scoring categories and groups.

1. Goals and Objectives

1.1. Promotion of motorsports and cycling to the public.

1.2. Promotion of healthy lifestyle.

1.3. Identification of the winners among the participants

1.4. Development and strengthening of international relations in motorsports and cycling.

2. Competition Date and Location

2.1. Ladoga Trophy Raid is held on June 3-11, 2017 as a competition for 4WD vehicles, ATVs, SSVs, motorcycles and bicycles.

2.2. The event start ceremony is held in St. Petersburg. The route of the competition passes through Leningrad Region and the Republic of Karelia.

3. Ladoga Trophy Raid Programme

3.1. The competition for sports scoring categories is held on the closed 1200+ km-long route including 150 - 400 km of special stage (SS) on a variety of roads, including deep ruts, water crossings, sand, swamps, rocks, etc.

3.2. The competition for Grand-Tourism scoring categories is held on the closed 1200+ km-long route including beautiful historic places - parks, monasteries, churches, historical architectural buildings and natural monuments.

3.3. Ladoga Trophy Raid Schedule

November 1, 2016	- Entries open
December 25, 2016	- Deadline for the first entry fee tranche
January 29, 2017	- Deadline for the second entry fee tranche
March 31, 2017	- Deadline for the third entry fee tranche
April 29, 2017	- Entries closed
June 1, 2017	- Registration for Participants from Saint-Petersburg and other regions of Russia . Technical Inspection, information materials handout.
June 2, 2017	- Registration for foreign Participants, and Participants from other regions of Russia (except Saint-Petersburg) . Technical Inspection, information materials handout.
June 3, 2017	- Ladoga Trophy Raid Opening Ceremony and start
June 3-11, 2017	- Trophy Raid in progress
June 11, 2017	- Ladoga Trophy Raid closing
June 11, 2017 ~ 23.59	- Awarding ceremony

4. Competition Organization

4.1. The Organizer:	Saint-Petersburg OFF-ROAD CLUB, PO
4.2. Official web-site:	www.ladoga-trophy.ru vk.com/ladoga_trophy facebook.com/groups/224892237641010
4.3. Contacts:	199178, 19-21, Smolenki riv. emb. St. Petersburg, Russia Phone: +7 (812) 999-88-66; +7-911-951-25-75 Email: 2016@ladoga-trophy.ru

4.4. Officials of the Competition:

Head of the Competition	Yuri Ovchinnikov
Director of the Competition	Dmitry Ovchinnikov
Technical Inspector/Deputy Head of the Competition	Anatoly Molchanov

Event Coordinators	Tatyana Lutsko Anna Arkhipova
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The full Officials' list will be published additionally.

4.5. Official time zone of the competition – Moscow (controlled via GPS-receiver).

4.6. Official language of the competition: Russian. In case if Regulations texts in Russian and English do not match, the text in Russian is considered as primary.

5. Glossary

“Camp Access Wristband” – Access to Ladoga Trophy Raid infrastructure for crewmembers and guests is available for people with a wristband only. The wristband allows using the camp infrastructure – shower, sauna, WCs, cafe, medical service, and garbage collection point.

“Ladoga Challenge” – several special stages (“LC1”, “LC2” etc.) with the specified time limit for liaison between them. Special stages should be passed according to the designated order: “LC1”, “LC2” etc. If a crew did not manage to finish the previous LC Special Stage, it is not allowed to start on the next one. The time limit for Ladoga Challenge includes liaisons, specified in the Road Book. In case, if crew gets a Time Penalty (Normative) for one of LC Special Stages, the crew will get time penalties for all the subsequent LC Special Stages. Early start is not allowed.

“Organizers' Base Camp” – the territory marked by Organizers to accommodate Officials and competition services: secretariat, timekeeping service, navigation control service, showers, cafe, official information board, medical service etc. The Organizer provides identification of the Camp on the site.

“Briefing” – official instructions and information held by the Head of the Competition or his Deputy Official. Crews must be represented by at least one crewmember or their representative at Briefings. Official information regarding changes in the competition that was announced at the Briefing must be confirmed by the Bulletin issued within half an hour after the Briefing. Briefings schedule and location is published at the official information board. In case if crew or their representative did not manage to attend the Briefing due to unforeseen circumstances, they must read the respective Bulletin and acknowledge this fact by their signatures.

“Bulletin” – an official written notification, the essential part of the Regulations and is meant to provide information on changes, clarifications and addendums to the latter.

Bulletins must be numbered and dated. Bulletins are issued and signed by:

- The Organizer – before beginning of the Registration at the competition's official web site,
- Board of the Sports Commissioners – during the competition.

Crews must acknowledge that they read the Bulletin by one of the crewmembers' signature. All the Bulletins are to be issued in a written form and published on the Official information board, and, if necessary, they have to be acknowledged by one of the crewmembers' signature at Timing Marshals' posts.

“Special Stage running time” – time interval between the special stages start opening and finish closing.

“Rope absorber” – an appliance that must be installed on a wired winch cable in order to prevent injuries in case of cable rupture. Rope absorber weight must be at least 1 kg. The absorber must be placed in the middle third part of the cable under load.

“Road Book” – competition information booklet. It is handed out to the Participants at Registration and contains camps coordinates, the list of waypoints, included in special stages, route of each special stage and additional information.

“Request” - a written request from the participant, not accompanied by a deposit related to Participant's results reconsideration. The request is to be submitted in the following cases: Participant's results contain mathematical errors; protocols contain wrong information. Request must be handed over to the Competitor Relations Officer. Deadlines for request submission to reconsider Special Stages' results are:

- Before 23:59 on the day after SS closing. SS result becomes final at 23:59 of the day following the day SS closing and is not subject to objections / applications from the participants,
- Final results of the competition: 1 hour from the moment of their publication on the Official Information Board.

The request must precisely specify exact error and correct value. All other matters should be submitted as protests.

“BSC” – the Board of the Sport Commissioners, provides observance of the Participants' rights and compliance with the Regulations during the Competition.

“Circuit race” – a timed Special Stage with on a closed route. Crews must make the route multiple times. Mass start is possible.

“Team” – two riders at “ATV-Open”, “ATV- Adventure”, “ATV-Original”, “Moto Sport”, “Moto Adventure” scoring groups who make the competition route together. The participants compete in pairs of two riders according to their application forms. The pair’s finish time at SS is recorded when the second participant crosses the finish line.

“Check list (Carnet)” – a form issued by the Organizer in order to ensure the crew’s attendance at check points and/or keeps time of passing the Timing Marshal’s posts during the Competition.

“Time limit” – the maximum time to complete a special stage. The Organizer does not guarantee the presence of timing marshals at control posts for teams who exceed the specified time limit.

“Tree protecting strap” – a flat, non-elastic strap with a minimum width of 90 mm (not less than 50 mm for ATV) and minimum 2 meters long designed to attach the vehicle winch cable to trees.

“Camp” – an area designated by the Organizer in order to accommodate Participants and Officials of the competition for overnight stops. Camp boundaries published in the Road Book prior to the competition start as a list of GPS coordinates marking the Camp perimeter. It is forbidden to fence Participants’ camps at the Competition Camp except marking their tents within 5-meter radius.

“Liaison” – an official route from the Camp to SS Start, after SS Finish to the Camp, and between SS using public roads that must be driven in compliance with traffic laws or according to the Road Book. The time limit might be applied for a liaison. Late arrival is penalized as 1:1 (1 minute of time penalty for each incomplete minute of being late).

“Time Penalty (Normative)” – time that is given to a crew when they fail to get SS result in the following cases:

- No start or No finish at the Special Stage
- Exceeding the SS time limit
- Exceeding the scoring group leader’s time multiplied by 2 (including time penalties)

Time penalty is calculated as follows:

- In case if SS has a specified Time Limit: Time Limit multiplied by 1,2 coefficient;
- In case if SS Time Limit is not specified, the scoring group leader’s result multiplied by 2, and then multiplied by 1,2 coefficient (in total – multiplied by 2,4 coefficient).

“Officials” - the term “Officials” in the current Regulations refer to Head of the Competition, Deputy Head of the Competition, Director of the Competition, Sports Commissioners, Technical Inspector, Timing Marshals, Competitors Relations Officer, Security Officers.

“Official Information Board” – a board where all official event information is published including bulletins, results, decisions of BSC, etc.

“Penalty” – a sanction, set for violation of certain articles and clauses of the Regulations. Penalties can be applied either in monetary or in a time form. Penalties list is determined by the Regulations in the Penalty table.

“Neutralization period” – time interval specified by the Organizer to stop the crews participating in the competition. The neutralization period is not included into the crew’s timing at SS.

“Protest” – a written appeal (application) of the Participant or the Participant’s representative, applied in compliance with art. 14.5 of the Regulations.

“Repairs” – repairs of damages, replacement of parts and assemblies, any adjustment, lubrication, diagnostic, re-fuelling and maintenance works, performed by the crew with the possibility to engage members of other crews participating in this SS. Repair work may be conducted using materials and tools that are on board at the participants vehicle for crews from any scoring group who make the route and did not yet cross the finish line at the current SS.

“Service” – provision of any kind of help to the crew at SS (Special Stage) by any persons that are not members of crews passing the same special stage, including using of any materials, process liquids, spare parts, instruments and equipment, that are not on board of the competition vehicles participating in this SS during its running time period. Information transfer, passing on drinking water, food and medications is not considered as Service.

“Special Stage (SS)” – a timed race (competition with route timing as a determinant factor). SS is a part of the competition route for all scoring categories and groups. SS for “Adventure”, “ATV- Adventure” and “Adventure – Open” groups is a part of competition route; passing it within the Time Limit is a determinant factor for scoring the crews from these groups.

“Timing Marshal” – the Competition Official ensuring a fact (facts) of meeting requirements or violation of the current Regulations and its Appendices by the Participants.

“Technical Inspection” – general inspection of a vehicle, including identification of the model and manufacturer of the vehicle, ensuring the vehicle compliance with the declared category/group, compliance with safety requirements.

“Track logger” – a device installed by the Organizer to log the Participant’s GPS track. To be returned to Organizers after the competition completion.

“Participant of the Competition (Participant)” – an individual specified in the entry form and allowed to participate in the competition.

“Chip” – electronic punching system chip that records start and finish times at SS for the crew. To be returned to Organizers after competition completion

“Crew” – consists from the number of the Participants stated in Technical Requirements for each scoring category and indicated in the entry form for one vehicle, ATV, SSV, motorcycle or bicycle.

6. Scoring categories and groups

6.1. Each Participant can apply for one of the scoring categories listed below:

“Sport” category, group “TR-1”

“Sport” category, group “TR-2”

“Sport” category, group “TR-3”

“Sport” category, group “PROTO”

“Sport” category, group “Euro”

“Sport” category, group “ATV-Open”

“Sport” category, group “ATV-SSV” (side by side)

“Sport” category, group “ATV-Special” (6x6, 8x8, tracked vehicles up to 3.5 tons)

“Adventure” category, group “ATV- Adventure”

“Adventure” category, group “Adventure”

“Adventure” category, group “Adventure-OPEN”

“Moto” category, group “Moto Sport”

“Moto” category, group “Moto Adventure”

“Grand-Tourism” category, group “Grand-Tourism Pro”, (“Quest”, technical stages)

“Grand-Tourism” category, group “Grand-Tourism Lite”, (“Sightseeing navigation”, “Quest”, technical stages)

“Grand-Tourism” category, group “Grand-Tourism Lite Moto”, (“Sightseeing navigation”, “Quest”, visiting spectacular spots of “Sport” category special stages, technical stages)

“Velo” category, group «Velo»

“Velo” category, group «Velo Lite»

6.2. Technical requirements for all the scoring categories and groups are defined in relevant Appendices for the current Regulations.

6.3. Scoring in a group will not take place, if less than 7 for vehicles or teams applied for it (for “ATV-Open”, “ATV-Adventure”, “Moto Sport”, «Moto Adventure”, “Velo” and “Velo Lite”).

7. Technical Requirements

7.1. Technical Requirements are defined for each scoring group.

7.2. Technical Inspector is eligible to reject the participation for vehicles that do not comply with the respective Technical Requirements and provisions of the current Regulations. In addition, the vehicle can be detained by the Officials at the start of SS to eliminate non-conformances under the threat of “minute for minute” penalty for being late to the start. During SS, a vehicle can be detained by the Officials for non-compliances elimination at the cost of Participant's time.

8. Participants Insurance. Liability.

8.1. The Organizer provides medical service for Participants during the period of competition at its own expense including immediate medical aid during the competition.

8.2. Medical service for crews and guests of the competition is ensured by Camp Access Wristband only.

8.3. The Organizer is not liable for any damages, caused by the Participant/Participants to third parties or for damage caused to the Participant/Participants by third parties.

8.4. The Participant who signed the Entry form undertakes all the risks and burden of liability for his or her actions (negligence), causing damage, including bodily injuries or death, to third parties, including the Competition Officials.

8.5. The Organizer is not liable in cases when the Participant/Participants do not have information that has been announced at Briefings regardless reasons of their absence at Briefings.

8.6. Each participant must have an insurance policy from an accident for rubles. The insurance policy valid for the duration of the competition is mandatory and is checked at TI. In addition, each participant must provide a medical certificate on the admission to participate in the competition.

9. Entry Form

9.1. In order to become the Participant of the Competition it is necessary to:

a) Send a completed Entry Form published at ladoga-trophy.ru, Documents page to the following email: 2016@ladoga-trophy.ru. Entries are accepted from individuals aged over 18 years old.

b) Receive a confirmation on the right to pay the entry fee from the Organizer. The confirmation, containing bank transfer details for entry fee or refusal to participate in the Competition is sent by the Organizer via e-mail to the applicant's address not later than 5 (five) days from the date the Organizer received the Entry form.

c) Pay at least 50% of the respective entry fee as stated in clause 9.3.1 by non-cash transaction with the proposed wording in the payment comment.

d) Provide the Organizer with payment receipt.

e) Pay the remaining sum of the entry fee before March 31, 2017. In case if payment is done later, the remaining sum is calculated from an entry fee tranche that is active at the date of payment.

9.2. Having become a Participant of the Competition, according to p. 9.1 of the Regulations all crewmembers undertake to observe the requirements of the Regulations strictly from a moment of arrival to the Registration until the official closing of the competition and departure from the last base camp.

9.3. Entry fees.

9.3.1. Depending on the date of applying for participation in the competition, the following Entry fees are set for each registered crew that prepared places for "optional" Organizer's advertising **COMPLETELY** clean and free.

Entries and fees deadlines	TR-1 TR-2 TR-3 Proto Euro Adventure Adventure- Open SSV Grand-Tourism Pro	ATV-Open ATV-Adventure ATV-Original ATV-Special	Grand-Tourism Lite	Moto Velo Velo Lite	Additional Tech Support Vehicle (Light)	Additional Tech Support Vehicle (Truck)
EARLY-BIRD Dec, 25	985 € (49 700 RUR)	725 € (36 300 RUR)	790 € (39 500 RUR)	190 € (9 900 RUR)	190 € (9 900 RUR)	350 € (17 500 RUR)
URGENT Jan, 29	1 245 € (68 500 RUR)	870 € (47 800 RUR)	1030 € (56 600 RUR)	220 € (12 000 RUR)	220 € (12 000 RUR)	370 € (20 500 RUR)
EXTRA Mar, 31	1 490 € (89 500 RUR)	1 045 € (62 700 RUR)	1 250 € (75 000 RUR)	250 € (15 000 RUR)	250 € (15 000 RUR)	400 € (24 000 RUR)
LAST CALL Apr, 29	1 800 € (108 000 RUR)	1 255 € (75 300 RUR)	1 485 € (89 000 RUR)	300 € (18 000 RUR)	300 € (18 000 RUR)	450 € (27 000 RUR)
After Apr, 29	1 925 € (115 500 RUR)	1 500 € (90 000 RUR)	1 780 € (106 800 RUR)	350 € (21 000 RUR)	350 € (21 000 RUR)	500 € (30 000 RUR)

If partial payment of 50% was made, the second part of the payment is also made at the rate set by the Organizer at the time of payment.

The Organizer reserves the right to adjust exchange rate and the final cost.

9.3.2. In case of refusal to place the "optional" advertisement offered by the Organizer the Entry fee is increased by 100 (one hundred) percent.

9.3.3. Technical support cars must be declared officially.

9.3.4. Entry fee includes one light technical support vehicle. An additional technical support vehicle is paid according to fees table.

9.3.5. Having paid the entry fee the Participant has a right to introduce one vehicle in the respective scoring category/group.

9.3.6. In case if the participant would like to cancel their participation in the Competition before March 31, 2017, the Organizer undertakes to repay to the Participant 50 (fifty) percent of the paid sum in a period not exceeding 30 (thirty) calendar days from receiving the participation refusal note by the Organizer. The entry fee is not returnable after March 31, 2017 no matter what kind of force majeure resulted in participation refusal.

9.3.7. All guests' cars must be registered and are obliged to get a pass – a guest's sticker for a car. "GUEST" status allows guests of the competition to stay on a territory of the event's camp during two days. The fee for a "GUEST" pass per one car is 1500 RUR. "GUEST" status is available only in a case if Participant or Organizer invites a guest to the competition (a guest gets a registration number in accordance with a starting number of the inviting crew). The inviting crew fully holds responsibility for observing ecological and disciplinary rules by the "Guest" according to current Regulations for all Participants, technical support team members, organizers and guests. The number of people in a "Guest" car must not exceed the number of equipped seats. In order to use the camp's infrastructure each person from a "Guest" car must obtain a "Camp Access wristband". The "Guest" pays admission fee at the Secretariat in the base camp and gets souvenirs, stickers with competition's logo as well as the Road Book with competition schedule and coordinates of the most spectacular Special Stages' spots.

9.3.8. Detecting of an unregistered technical support car or a guest's car by the Organizer implies a monetary penalty for a responsible crew, equal to 300% of an Entry fee, otherwise this crew will be expelled from the event.

9.3.9. Access to Ladoga Trophy Raid camp infrastructure is available for crewmembers and guests wearing «Camp Access Wristband» (wristband hereinafter) only. The wristband for Participants (drivers and co-drivers), technical support cars' drivers and guest cars drivers is free of charge. For the rest the wristband costs 100 rubles per person per day. The wristband allows using shower, sauna, toilets, cafe, medical service, garbage collection.

10. Registration and Technical Inspection

10.1. All the crews applied for the Competition have to pass through the Registration that also includes Technical Inspection (TI) according to the schedule mentioned above. Attendance and time of arrival to the Registration are recorded.

Crews who did not pass the Registration at the appointed time are not allowed to start the Competition. The exceptional case for passing Registration and Technical Inspection outside the schedule is force majeure acknowledged as such by the Head of the Competition or by the Board of Sport Commissioners.

10.1.2. Registration and TI schedule is the Regulations integral part. In case of late arrival to the Registration, TI or additional TI within the time of referees' work is charged with 20% of Entry fee fine. This sum shall be paid before start of the competition.

10.1.3. Early arrival to Registration or TI is not allowed except cases approved by the Organizer not later than 3 days before Registration opening.

10.2 The Participants or their representatives shall provide the following documents for the Registration:

- Copies of payment receipts that prove the fact of the Entry fee payment,
- Passports of all the crewmembers,
- Driver licenses (obligatory for the 1st driver), except for "Velo" scoring category participants,
- Accident insurance policy,
- Medical certificate on the admission to the competition,
- Registration papers for vehicle/ATV,
- A completed questionnaire for Press Service.

10.2.1. During the Registration each crew (except "Moto" and "Velo" scoring categories Participants) must make a returnable deposit of RUR 10 000. The returnable deposit for "Moto" and "Velo" scoring categories Participants is RUR 3 000. This deposit may be withheld in whole or in part according to cases stated in p. 16. Penalties Table.

10.2.2. Each crew must pay RUR 1000 rent for using the track-logger.

10.3. It is allowed to replace the 2nd driver before the end of the Registration. Replacement of two members of the crew, as well as replacement of the 1st driver can be done during the same period only after approval of the Organizer. This authorization request shall be submitted in a written form and becomes an integral part of the Entry Form. The applicant also has the right to replace the vehicle to another one belonging to the same scoring group prior to Technical Inspection. The vehicle replacement to another one belonging to other scoring group is possible only with the permission of the Head of the Competition / Deputy Head of the Competition.

10.4. During the Registration, the Organizer provides the Participants with the following:

- A copy of the Competition Regulations, including a list of GPS points (technical requirements are not included),
- maps,

- way points GSP coordinates,
- Track-logger installation to track the GPS route of the Participant at Special Stages,
- Advertising materials, including starting numbers, emblems of competition, etc,
- Souvenirs.

10.5 During the Registration Participants or their representatives are obliged to provide the vehicle, registered for participation in the competition for TI (Technical Inspection). TI includes examination of the vehicle for compliance with technical requirements for selected categories/groups as well as instructions on electronic means of results tracking (a chip and track logging device) usage. The vehicle, provided for TI, shall have advertisement stickers, identification for categories/groups and starting numbers according to the advertisements allocation scheme.

At the completion of Technical Inspection in the case if the declared vehicle does not comply with technical requirements for the category/group specified in the Entry form, the Technical Inspector is eligible to assign the given vehicle into another scoring category/group (in case if vacant places are available there), or set a term for discrepancies elimination and perform additional TI not later than 2 hours before the start of the Competition.

The vehicle passing TI must be clean with all competition emblems and starting numbers. Pre-start Technical Inspection is a general one to identify the vehicle's brand and model, compliance to the "Rules of holding Trophy Raid Competitions", safety and belonging to the scoring group, it is applied to.

10.6. Additional examinations of vehicle's technical condition can be appointed by the Head of the Competition or by decision of BSC at any time during the competition.

10.8. The returnable deposits will be returned within 1 month from the Competition finish (until July 5, 2017).

10.8. Identification

10.8.1. For all scoring categories (except "Velo" category) last name and first name initial of the 1st and the 2nd drivers (the rider ones for "ATV" and "Moto" groups) and national flags shall be located on both sides of vehicle at the front fenders or doors. The dimensions are set as follows: font height for names and national flags is 30-50 mm (for "Moto" group – 15-30 mm). In case if any elements mentioned above are missing during the competition, the crew will be charged at a rate of 20% of entry fee.

10.9. Advertisement

10.9.1. Participants' cars, ATVs and motorcycles can have any type of advertisements in case of compliance with the following conditions:

- This type of advertisement does not contradict with legislation of the Russian Federation,
- The advertisement is located everywhere except the places, reserved for Organizer's mandatory advertisement.

10.10. Areas reserved for Organizer's mandatory advertisement:

Cars:

- Two squares 50 x 50 cm on front doors of a vehicle – for starting numbers and emblems of the competition;
- A rectangle of 50 x 20 cm at the front part of the bonnet – for emblem of the competition;
- A rectangle of 65 x 10 cm in the upper right corner of wind screen for the starting number;
- A line with height of 10 cm in the upper part of windscreen for the name of the competition.

ATV, SSV and motorcycles:

- A square of 17 x 17 cm at side surfaces of ATV for starting numbers;
- A rectangle of 15 x 20 cm for the competition emblem.

10.11. Areas reserved for Organizer's optional advertisement:

Cars:

- Side surfaces of vehicles from the middle of the front wheel arch to the middle of the back wheel arch;
- Front part of the bonnet;
- 10-cm high rectangle at the top part of the windscreen;

ATV, SSV:

- Side surfaces of vehicles from the middle of the front wheel arch to the middle of the back wheel arch;
- Fuel tank, front fender, rear fender.

These areas must be completely free to allocate the Organizer's advertisement; otherwise, refusal from optional advertisement must be paid.

10.12. The advertisement allocation scheme is provided to the Participants at the Registration.

10.13. The Participants are not allowed to start Special Stages with dirty mandatory and optional advertisements, starting numbers and identification stickers.

10.14. The crews are required to provide a proper fixation of advertisements during the entire competition. If any Organizer's advertisement is missing, the following penalizations will be applied: the first violation is charged with 50% of the Entry fee; the second violation is charged with 100% of Entry fee; the third violation is fined with expulsion from the Competition.

10.15. Participation in the opening ceremony is mandatory for all Participants. If crew will not attend the opening ceremony, it will be penalized according to the Penalties Table.

11. Food, equipment and information.

11.1. Each crew must have an emergency food reserve, as well as outdoor gear and warm clothes. Food and drinking water reserve must be enough for two days outdoors.

11.2. All vehicles, ATV and motorcycles must have a fuel reserve. Refueling is possible at existing gas stations, as well as by technical support vehicles outside SS.

11.3. The Participants must have GPS-receivers, as well as necessary equipment (cables or dongles) to download the information from Organizer's PC to the competitors' GPS-receivers or PCs.

11.4. Each participant must ensure that the crew has a set of AA batteries for EACH competition day - two batteries for 12 hours non-stop ("Grand-Tourism" participants will be informed about track-loggers additionally by the Bulletin prior to the Competition start).

11.5. All the equipment must be securely fixed on / in the vehicle, ATV, motorcycle or bicycle. In case of non-compliance with this requirement, the Technical Inspector is eligible to exclude the vehicle from participation in the competition. In addition, a vehicle can be detained by the Officials at the start of SS for elimination of the revealed discrepancies under the threat of "minute for minute" penalty for being late at start. During the SS, such a vehicle can be detained by the Officials for elimination of discrepancies at the expense of the Participant's time.

11.6. All winches with wired cables, installed on a vehicle or ATV shall be equipped with rope absorber. Every vehicle shall be equipped with tree protecting strap.

11.7. Information.

11.7.1. Start lists for the next day of the competition are published at the Official Information Board daily before 22:00.

11.7.2. Results of the completed SS, as well as current overall scoring are published at the Official Information Board in 2 hours after next day start lists publication.

11.7.3. SS result becomes final at 23:59 of the day following the day SS closing and is not subject to objections / applications from the participants. In case if results contain errors (mathematical/human factor), BSC is eligible to correct them.

11.7.4. In order to inform the Participants concerning the competition consecution, the Organizer holds Briefings. The crew shall be represented by at least one crewmember at the briefing. Official information announced at the Briefing must be confirmed by a Bulletin issued during half an hour after the Briefing. Briefings schedule and location are to be published at the Official Information Board. Crew presence fact at Briefings is to be recorded. In case if crew skips a Briefing due to unforeseen circumstances, at least one crew member must read the respective Bulletin and confirm this fact by a signature. Nightly Briefings will take place at 22.00 each competition day.

11.7.5. Participants' vehicles and ATV evacuation. Repairs and service.

11.7.5.1. The Crew must take all measures for self-evacuation from SS route.

The Organizer does not provide Participants with evacuation from SS route. The crew can evacuate themselves or use service of any company, providing this kind of services.

11.7.5.2. Service at SS is prohibited. Violation of prohibition for servicing under this paragraph causes a fixed penalty - Time Penalty for the SS.

11.7.5.3. Repair works by means of the crew, as well as transfer of fresh water, food, medical supplies and money to members of a crew and ATV drivers are allowed at SS.

11.7.5.4. Technical support vehicles entry to SS is strictly prohibited. Violation of this prohibition by participant/participants causes a fixed Time Penalty for the crew according to Penalties Table.

11.7.5.5. Crews, guests and technical support teams are prohibited to camp overnight, perform repairs and leave trailers closer than 100 meters from start and finish points at all SS. This prohibition violation is charged by RUR 6000 penalty.

12. Environment and safety.

12.1. During the competition all vehicles, ATVs and motorcycles, including technical support and guest cars are strictly forbidden to drive their vehicles in rivers and lakes and wash them closer than 50 meters from rivers and lakes (Ladoga Lake – 200 meters). It is allowed to drive through water crossings stated in the Road Book or marked explicitly on the ground by the shortest possible distance.

12.2. It is forbidden to move and camp within SPNR (Specially Protected Natural Reserves) territories. Participants will be informed about SPNRs before the competition start, and explicit information with SPNRs maps and coordinates will be published at the Official Information Board.

12.3. Felling live trees by any means, trees, shrubs and anthills etc. damage are strictly forbidden.

Be very careful at special stages passing forests: falling tree can cause death!

12.4. During the competition at all Camps and along the competition route (at SS and Liaisons) it is strictly forbidden to:

- Make fire on open ground in all Camps,
- Throw burning matches, cigarette butts, and dump burning ashes from smoking pipes,
- Fire guns, use fireworks,
- Leave cleaning material, oiled or soaked with gasoline, kerosene and other flammable substances, out in the forest,
- Refuel vehicle with working engine, drive vehicles with faulty power sully system as well as smoke and use open fire near to vehicles being refueled,
- Leave glass bottles and their fragments in the forest, as well as other garbage,
- Burn grass and stubble in the fields.

12.5. Unauthorized driving along the Ladoga Lake's beach and dunes is forbidden.

12.6. It is allowed to use barbecue, grills and similar equipment that prevent soil surface damage according to fire safety measures. Do not leave the fired-up grill unattended.

12.7. It is strictly forbidden to rest and sleep in a vehicle with running engine. Always remember about carbon monoxide hazard.

12.8. It is recommended to open windows while winching or crossing water.

12.9. It is strongly recommended to be very careful when towing a broken vehicle. We recommend towing it at the lowest speed using preferably rigid towline if it is possible.

12.10. It is strongly recommended to warn people around you when you start winching.

12.11. Using a tree-protecting strap is a must! It is not allowed to fix it higher than 30 centimeters from the ground. Besides, it must not be tied as slipknot or twisted.

12.12. It is mandatory to use gloves when working with wired winch cable.

12.13. It is prohibited to touch a wired winch cable under load.

12.14. It is recommended to use safety rope when re-fixing a winch cable.

12.15. It is prohibited to cross a wired cable under load.

12.16. It is prohibited to stand next to a winch cable under load closer than 1 meter away.

12.17. It is forbidden to stay under vehicle being winched uphill.

12.18. It is forbidden to stay lower than a vehicle driving down the hill.

12.19. It is mandatory to ensure that there are no people standing on the way when pulling out other vehicle.

12.20. Be cautious using Highjack – being lifted up both vehicle and Highjack are extremely unstable.

12.21. During the competition it is prohibited to drain vehicle liquids onto the ground (lube, fuel, etc.), as well as dropping, burning and/or burying any garbage, any contamination of the area and causing any other damage to nature. There will be a specially organized "official" and the only place for collecting garbage in every camp.

12.22. By decision of the competition official doctor, any participant/crew can be refused to start in the following cases:

- Missing first-aid kit or unsealed first-aid kit,
- Lacking of two-day supply of food and/or fresh water,
- The crewmembers have symptoms of alcoholic intoxication,
- Any medical indications for emergent medical aid.

12.23. Any participant/crew can be stopped during any SS if there are medical indications for emergent medical assistance by decision of the official doctor of the competition.

12.24. It is recommended using repellents against insects; do not leave exposed body areas to avoid snake and insect bites.

12.25. At SS route, Participants are recommended to use protective helmets and high visibility vests (jackets, shirts) (fluorescent yellow, red, green colors). All "ATV", "Moto" and "Velo" riders as well as drivers of vehicles with safety cages installed must to use protective helmets.

12.26. The Participants are not allowed to drive their vehicles, ATVs or motorcycles in the Organizer's camp. Exception is made for downloading the data from track loggers and chips. Afterwards vehicles must leave the Organizer's camp territory within 10 minutes.

12.27. Parking vehicles on Organizers Camp territory is prohibited.

12.28. The 5 km/h speed limit at the whole camping area is a must.

12.29. Participants and guests are prohibited to fence off their camping places on the Camp territory, except marking their tents within 5 meters radius.

12.30. The crew's vehicle (ATV) must be equipped with sealed extended first-aid kit, fire extinguisher, tow rope with a tensile strength of not less than 4 times of the total vehicle weight, tree protecting strap and protective gloves (if winch is installed), fuel reserve for at least 150 km of heavy off-road, fault-free towing eyes or hooks at front and behind. ATVs and motorcycles must be equipped with extended sealed first aid kit and fire extinguisher (fire extinguisher is mandatory for ATVs and is recommended for motorcycles).

12.31. The crew is considered to be at SS route from their start until finish.

12.32. The crew must take all possible measures to ensure their security, and avoid any actions that may be the reason causing any harm to human health.

12.33. The crew must to take all possible measures to inform the Timing Marshals about their location at the moment when their Time Limit exceeds at SS.

12.34. It is forbidden driving with crewmembers or others outside the vehicle (at sides, bumpers, roof etc.) outside SS except extraordinary cases.

12.35. It is required to drive during the competition with day light on except crossing water.

12.36. Each crew at SS is recommended to have a sealed and fully charged cell phone preferably with two SIM cards from different providers («MTS», «Megafon»), and have a car charger for this phone. It is recommended to install emergency means of communication (CB-radio stations, etc.)

The list of Organizers' emergency phones will be published on the Official Information Board and are specified in the Regulations and the Road Book. In case of poor cell coverage, it is recommended using text messages. All the crews are advised to be equipped with satellite phones for emergency when GSM coverage is absent.

12.37. Being on the public roads, participants, technical staff and guests must follow traffic rules and laws of the Russian Federation.

12.38. It is strictly forbidden to drive across other crew's winch cable. In case if a winching crew blocked the way by their vehicle or winch cable, other crews must wait until the crew pulls out the vehicle. If the stuck crew cannot pull out in 10 minutes, they must provide an overtaking possibility to other competitors.

12.39. Nonobservance of Organizers', Security officers', Timing Marshals', Rescue officers and other officials' requirements as well as safety rules violations and actions that contradict to the event goals and objectives, unsportsmanlike behavior, applying deliberate damage to other participants impose a variety of penalties applied according to Penalties Table to all participants, their representatives, technical support staff and guests.

The organizer is not liable in the event of damage to participants or their property or by participants to third parties.

All violations of safety rules and environmental protection are the responsibility of the offender. Organizer undertakes to convey information about the offender available in the application form to the official bodies.

13. Board of the Sports Commissioner (BSC).

13.1. Activities of the Board of the Sports Commissioners aim to ensure rights of the Participants during the competition and compliance with the current Regulations. Any doubts considering the objections and appeals are resolved in favor of the Participant.

13.2. BSC (consisting not more than three persons) shall serve on a collegiate basis under the supervision of the Chairman. In cases of voting parity, the final decision is to be made by the Chairman of BSC.

13.3. The competence of BSC includes:

- Amendments to the current Regulations due to force-majeure circumstances and/or to provide safety,
- Application of sanctions for violation of the current Regulations,
- Making the decision to stop the competition,
- Scoring commission decisions cancellation,
- Consideration and decisions on Officials' requests and Participants' protests; making of decisions on them,
- Other matters, referred to BSC's competence by the current Regulations.

14. Scoring. Protests.

14.1. Scoring during the competition is provided by the Organizer. The Organizer shall provide equal conditions for the Participants for each scoring category/group. This obligation does not include the condition of competition route.

14.2. Any Participant who has not paid monetary penalties during 24 hours since the bulletin publication where such monetary penalties are stated will not be allowed to start next Special Stages.

14.3. The Timing Marshals' requirements are mandatory for all the Participants. Violation of this clause causes a penalty according to Penalties Table.

14.4. Facts of violations of the current Regulations and its Appendices are considered by BSC only based on applications from the Officials and/or protests from the Participants.

14.5. Protests should be handed over to the Competitors Relations Officer only. The protests are to be addressed to the Head of the Competition.

The protest must contain a reference to the respective clause of the Regulations or its Appendices that was violated according to the Participant's opinion by another Participant, and must include the proof of this violation. Photo and video materials as well as testimonies may be considered as a proof of Regulations violation. In case if the BSC reveals deception, the Participant guilty of this deceit will be expelled from the competition.

Any protest submission is to be accompanied by a deposit for RUR 15 000 that is returned to the applicant of objection in case if the protest is upheld. The deposit is to be paid to the secretariat of the competition followed by the respective confirmation record on the protest.

If a protest is submitted on a vehicle's technical condition and requires disassembly procedure, the protest deposit is to be specified by the Board of the Sports Commissioners.

The BSC will consider the received protests of the Participants and reports from the Officials until 2:00 a.m. of the next day except the last competition day.

14.6. Disparage. Disparage includes violations of the current Regulations provisions and the generally accepted norms of morality. It is forbidden to insult other participants, timing marshals, other officials and organizers of the competition, apply any acts of physical violence and vandalism to them or their property, or threat thereof.

14.7. Requests related to errors in results calculation are not classified as protests and do not require a deposit. These applications must be handed over to the Competitors Relations Officer only.

Deadlines for requests submission to reconsider Special Stages' results are:

- Before 23:59 on the day after SS closing. SS result becomes final at 23:59 of the day following the Special Stage closing day and is not subject to protests / requests from the participants,

- Final results of the competition: 1 hour from the moment of their publication on the official notice board.

14.8. BSC is eligible to correct preliminary/final results in the case of detecting errors in results calculations, including the period exceeding 48 hours from the moment of results publication.

14.9. Protests against decisions made by Timing Marshals on the duty is prohibited. Single protests filed against several applicants is not accepted.

15. Results. Awarding.

15.1. Ladoga Trophy Raid winners are determined in the following categories:

"Sport" category, group "TR1"

"Sport" category, group "TR2"

"Sport" category, group "TR3"

"Sport" category, group "Proto"

"Sport" category, group "Euro"

"Sport" category, group "ATV-Open"

"Sport" category, group "ATV-SSV" (side by side)

"Sport" category, group "ATV-Special" (6x6, 8x8, tracked vehicles up to 3,5 t)

"Adventure" category, group "ATV-Adventure"

"Adventure" category, group "Adventure"

"Adventure" category, group "Adventure-OPEN"

"Moto" category, group "Moto Sport"

"Moto" category, group "Moto Adventure"

"Grand-Tourism" category, group "GT Pro"

"Grand-Tourism" category, group "GT Lite" (cars and motorcycles)

"Velo" category, group "Velo"

"Velo" category, group "Velo Lite"

15.2. Ladoga Trophy Raid winners in all scoring groups are awarded with diplomas and prizes. Additional awards nominations can be announced.

15.3. All the Participants who completed Ladoga Trophy Raid route will receive certificates.

16. Penalties table

<div style="text-align: center;">Penalty</div> <hr style="border: 0; border-top: 1px solid black; margin: 0;"/> <div style="text-align: center;">Violation</div>	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Non-compliance with Technical Requirements, p. 7.2.						Regulations
Unregistered technical support or Guest car, p. 9.3.8					300%	Regulations
Being late for Registration and/or technical inspection, p. 10.1.2					20%	Regulations
Missing competition identification on a vehicle, p. 10.8					20%	Regulations
Starting with dirty starting numbers, identification and advertisement handed out by the Organizer, p. 10.13						Regulations
Absence of advertisements handed out by the Organizer, 1st violation, p. 10.14.					notice	Regulations
Absence of advertisements handed out by the Organizer, 2nd violation, p. 10.14.					50%	Regulations
Absence of advertisements handed out by the Organizer, 3rd violation, p. 10.14.					100%	Regulations
Absence at the competition Opening Ceremony, p. 10.15					RUR 6 000	Regulations
Absence or incorrect installation of rope absorber, 1st violation, p. 11.6.				30 min		Regulations
Absence or incorrect installation of rope absorber, 2nd violation, p. 11.6.				2 hours		Regulations

<div style="text-align: center;">Penalty</div> <hr style="border: 0; border-top: 1px solid black; margin: 0;"/> <div style="text-align: center;">Violation</div>	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Absence or incorrect installation of rope absorber, 3rd violation, p. 11.6.						Regulations
Towing the Participant's vehicle by the Organizer, p. 11.7.5.1.						Regulations
Service at SS, p. 11.7.5.2.						Regulations
Outside help, p. 11.7.5.4.						Regulations
Camping, overnight stay, repairs closer than 100 meters to SS Start/Finish, each violation, p. 11.7.5.5.					RUR 6 000	Regulations
Driving in rivers and lakes, vehicle cleaning closer than 50 meters from rivers and lakes (the Lake of Ladoga – 200 m), each violation, p. 12.1.					RUR 5 000	Regulations
Driving through / camping at SPNR, p. 12.2.					RUR 10 000	Regulations
Paragraph 12.3, each violation					RUR 5 000	Regulations
Paragraph 12.4, 1st violation					RUR 5 000	Regulations
Paragraph 12.4, 2nd and further violations					RUR 10 000	Regulations
Unauthorized driving the Ladoga Lake beach and dunes, p. 12.5.						Regulations
Paragraph 12.6, each violation					RUR 1 500	Regulations
Absence or wrong usage of the tree-protecting strap, p. 12.11.				30 min	RUR 5 000	Regulations

<div style="text-align: center;">Penalty</div> <hr style="border: 0; border-top: 1px solid black; margin: 0;"/> <div style="text-align: center;">Violation</div>	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Working with wired winch cable without gloves, 1st violation, p. 12.12.				30 min		Regulations
Working with wired winch cable without gloves, 2nd violation, p.12.12.				2 hours		Regulations
Working with wired winch cable without gloves, 3rd violation, p. 12.12.						Regulations
Contact with winch rope under load, 1st violation, p. 12.13.				30 min		Regulations
Contact with winch rope under load, 2nd violation, p. 12.13.				2 min		Regulations
Contact with winch rope under load, 3rd violation, p. 12.13.						Regulations
Crossing the winch rope under load, 1st violation, p. 12.15.				30 мин.		Regulations
Crossing the winch rope under load, 2nd violation, p. 12.15.				2 часа		Regulations
Crossing the winch rope under load, 3rd violation, p. 12.15						Regulations
Paragraph 12.21, each violation					RUR 1 500	Regulations
Participant's vehicle parked in the Organizers' Camp, p. 12.27					RUR 1 500	Regulations
Exceeding speed limit in the Camp, p. 12.28.					RUR 1 500	Regulations
Fencing the camping territories, p. 12.29.					RUR 1 500	Regulations
Driving a vehicle with people outside, 1st violation, p. 12.34					RUR 1 500	BSC

<div style="text-align: right;">Penalty</div> <div style="text-align: left;">Violation</div>	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Driving a vehicle with people outside, 2nd violation, p. 12.34					RUR 3 000	BSC
Driving a vehicle with people outside, 3rd violation, p. 12.34					RUR 6 000	BSC
Driving through other competitor's winch rope, p. 12.38.					1 hour	Regulations
Officials' requirements nonobservance, p. 12.39.					From RUR 10 000	BSC
Unpaid monetary penalty, p. 14.2.						Regulations
Timing Marshals' directives nonobservance, p. 14.3.						BSC
Deception, p. 14.5.						BSC
Disparage, p. 14.6.					From RUR 10 000	BSC
Crew headcount violation, Appendices № 1,2,3,4,5 p.3						Regulations
Damaged (lost) track-logger seal, Appendices № 1, 2 p. 4.2.2						Regulations
Proven fact of manipulations with the track logger, Appendices № 1, 2 p. 4.2.2						Regulations
Track logger damage / loss, Appendices № 1, 2 p. 4.2.3					Deposit retainment	Regulations
Missing marks, loss , unauthorized corrections in the Checklist, Appendices № 1, 2 p. 4.2.4						BSC

<div style="text-align: center;">Penalty</div> <hr style="border: 0; border-top: 1px solid black; margin: 0;"/> <div style="text-align: center;">Violation</div>	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Loss of the Chip Appendices № 1, 2 p. 4.2.4, Appendix № 4 p. 4.2.2, Appendix № 5 p. 4.2.					RUR 1 500	Regulations
Missing timing record done by Electronic Punching System, each violation Appendix № 4 p. 4.2.1, Appendix № 5 p. 4.2.				1 hour		Regulations
Missing marks from Check Points in the Checklist Appendices № 1,2 p. 4.2.4						BSC
Checklist loss Appendices № 1,2 p. 4.2.4						BSC
Unauthorized corrections in the Checklist Appendices № 1,2 p. 4.2.4						BSC
Deviation of more than 30 meters from "red" way point marked with W in the Road book (each violation) Appendices № 1,2 p. 4.2.5				2 minutes for each incomplete meter		Regulations
Deviation of more than 60 meters from the "red" way point marked with W in the Road Book (each violation) Appendices № 1,2 p. 4.2.5				1 hour		Regulations
Deviation of more than 60 meters from other way points, specified in the Road Book (each violation) Appendices № 1,2 p. 4.2.5				1 minute for each incomplete meter		Regulations
Deviation of more than 90 meters from other way points specified in the Road Book (each violation) Appendices № 1,2 p. 4.2.5				30 minutes		Regulations
Being late at start for more than 30 minutes Appendices № 1,2 p. 4.3.4, Appendix № 4 p. 4.3.2, Appendix № 5 p. 4.2.	at SS					Regulations

Penalty Violation	Start rejection	Expulsion	SS is not scored (Time Penalty)	Specified time penalty	Monetary penalty (base entry fee %)	Decision makers
Being late at start for less than 30 minutes Appendices № 1,2 p. 4.3.4, Appendix № 4 p. 4.3.2 Appendix № 5 p. 4.3.				1 minute for each minute of being late		Regulations
Exceeding the Time Limit at SS Appendices № 1,2 p. 4.3.5						Regulations
Exceeding the Time Limit at SS Appendices № 4, 5 p. 4.4,						Regulations

Contact phones:

- Head of the Competition – Yuri Ovchinnikov
+7-911-746-88-77
- Director of the Competition – Dmitry Ovchinnikov
+7 -921-999-88-66
- Technical Inspector / Deputy Head of the Competition – Anatoly Molchanov
+7 -911- 294-12-61
- Event Coordinator – Anna Arkhipova
+7 -911-951-25-75

Appendix 1

“Sport” scoring category

(groups “TR-1”, “TR-2”, “TR-3”, “Proto”, “Euro”, “ATV-Open”, “ATV-Special”, “ATV-SSV”)

1. Description

“Sport” scoring category

The scoring is based on “pass-through timing” meaning the sum of all special stages results and all the time penalties. The winner is a crew with minimal total time.

2. Technical requirements

4WD cars, vehicles and ATV conforming to the Technical Requirements are allowed to take part in the competition.

Group	Maximum wheel diameter	Maximum wheels width	Safety cage	Winch
TR-1	838 mm	343 mm	-	1
TR-2	939 mm	381 mm	+	2
TR-3	955 mm, tractor tires are allowed	470 mm	+	2
Proto	1043 mm, tractor tires are allowed	470 mm	+	2
Euro**	1043 mm, tractor tires are allowed	470 mm	-	2
ATV-Open	740 mm	12,5”	-	1
ATV-SSV	740 mm	12,5”	+	1

**Minimal weight for cars competing in “Euro” group – 2 100 kg.

3. Crews size

For crews competing in “TR-1”, “TR-2”, “TR-3”, “Proto”, “Euro” scoring groups the crew must consist of two-three people, the crew size must not exceed the number of installed seats. The crews compete individually.

For “ATV-Open” scoring group, the crew consists of one person. Crews compete in teams consisting of two crews.

For “ATV-SSV” the crew consists of two people. Crews compete individually.

For “ATV-Special” the crew consists of two-three people, the crew size must not exceed the number of installed seats. The crews compete individually.

4. Terms of the Competition. Duties of the Participants.

For “Sport” scoring category the competition is held on the closed route of more than 1200 km length, including a 150 - 400 km of special stages (SS) including heavy roads, deep ruts, water crossings, sand, swamps, rocks etc. The competitive part of the trophy-raid programme includes additional special stage (Additional SS). The results of Additional SS are included into overall scoring. Additional SS scoring includes coefficients that will be published in bulletin before the competition start.

The Organizer is eligible to make changes to the competition routes, programme and schedule. Participants will get informed about these changes in advance.

4.1. Starting order

The starting order for the first Special Stage is defined by a drawing procedure that takes place during the Registration.

In case if some Participants retire from the competition, respective changes may be added to the start lists.

4.2. Road Book. Driving at SS:

4.2.1. Participants must follow the route specified in the Road Book. The route is designed with cartographic material and geographical coordinates obtained by GPS-receivers. In order to limit the route width, a corridor may be established at some sections of the route (an electronic means may be set up to ensure that participants follow the designated corridor). Check Points can also be established on the route. These check point will be stated in the Road Book and are easily recognizable.

4.2.2. To ensure that Participants follow the designated route the Organizer provides them with a track logger – it will be installed in vehicles and sealed to record GPS-track of Participants at each SS. During the competition, Participants hold the responsibility over this track-logger.

Any incident, which occurred through the fault of the Participant (loss, destruction, switching off, was not switched on in time, etc.), making it impossible to download the Participant's GPS-track and / or any attempt of fraud, manipulation, proven by navigation control service entail penalties. Damage or absence of the seal is penalized at a rate of Time Penalty for the given SS.

If desired, the Organizer can seal up the participant's navigation device to double-check the correct special stages' passage in case of dispute, if technically feasible. Sealing laptops, tablets and other devices running Windows, Mac OS, iOS and Android as well as Garmin 276 and 276c is not allowed.

It is not recommended to use Organizer's track loggers as an external GPS signal receiver.

Data from the Participant's navigation device installed additionally and sealed by the Organizer will be accepted for consideration in case of dispute only after submitting a written request to the Competitor Relations Officer.

It is strongly recommended to turn off the track logger at liaisons to avoid erasing the SS track tail from the device.

Turn on the track logger 5 minutes before the start to establish a proper connection with satellites.

4.2.3. In case of the track logger loss or damage the returnable deposit of RUR 10 000 will be retained by the Organizer in addition to a fixed Time Penalty (Normative) if SS track is also missing in the Participant's sealed device. Loss of the chip is charged with RUR 1500 fine with a Time Penalty applied to the crew for the SS. Additionally, crews will get Time Penalty for the SS in case if it will not be possible to define the crew's timing from Timing Marshal's records.

4.2.4. Means crews timing recording at SS are electronic punching system chip, Checklist (Carnet) and Timing Marshals' records. BSC is eligible to penalize crews in case of Checklist loss or missing records at Check Points in it. Loss of both chip and Checklist causes a fixed penalty for the given SS equal to Normative and a fine of RUR 1 500. Participants are prohibited to make any corrections in the Checklist. In case if these corrections are made, a Time Penalty is applied.

4.2.5. The Participant must follow through all the GPS points specified in the Road Book in the designated order with the following maximum deviations: not more than 30 meters for way points marked with W (so called "red" way points), all the rest – not more than 60 meters.

Deviations of more, than specified above are considered as route violations and are penalized as follows: "red" way points deviation for more than 30 meters – 2 minutes for each incomplete meter, deviation for 60 and more meters – 1 hour;

All other waypoints: deviation for more than 60 meters – 1 minute for each incomplete meter, deviation for 90 and more 90 meters – 30 minutes. In case, if crew gets the maximum penalty for the deviation from the waypoint, the point is considered as skipped.

Note that the predetermined allowed deviation from the way point is because any navigation device recording the data has a certain inaccuracy depending on the signal quality received from satellites. In order to ensure taking the point precisely it is recommended to drive up to it as close as possible.

4.2.6. Detailed information about methods for marking the route will be published in Bulletins.

4.2.7. Participants are allowed to transport their sports vehicles, ATV, motorcycles and bicycles outside SS.

4.3. Time limit, Start, Finish

4.3.1. SS Start closes 30 minutes after the start of the last Participant (Team) of this group according to the start list.

4.3.2. SS Finish closes according to SS Schedule.

4.3.3. The crew must provide their chip and track logger to the respective Services at the base camp to download timings and tracks until 09:00 in the morning on the day after the SS. After "Ladoga Challenge", the crew must provide means of timing and tracks not later than 23:00 of the day following "Ladoga Challenge" start day. In case if crew does not provide Timekeeping and Navigation Control services with data stated above, the crew gets a Time Penalty (Normative) for the SS.

4.3.4. If the crew is late to the SS start up to 30 minutes, a fixed penalty is applied as 1 minute for each minute of delay. If the crew arrives to SS start later than 30 minutes, they are not allowed to start.

4.3.5. Exceeding the Time Limit of SS and absence of the track from SS causes a fixed Time Penalty (normative) for the SS.

“Time Penalty (Normative)” – time that is given to a crew when they fail to get SS result in the following cases:

- No start or no finish the SS
- Exceeded the SS time limit
- Exceeded the scoring group leader’s time multiplied by 2 (including time penalties)

Time penalty is calculated as follows:

- In case if SS has a specified Time Limit: Time Limit multiplied by 1,2 coefficient;
- In case if SS does not have any specified Time Limit: scoring group leader’s result multiplied by 2, and then multiplied by 1,2 coefficient (in total – multiplied by 2,4 coefficient).

Appendix 2

“Adventure” scoring category

(groups “Adventure”, “Adventure-Open”, “ATV-Adventure”)

1. Description
2. Technical requirements
3. Crews size
4. Programme and competition part

1. Description

One or several SS for “Adventure” scoring category (the exact number of special stages will be state din the Road Book) are based on “pass-through timing”. The winner is determined by the maximum number of special stages, made within the time limit. In case if this value is equal for two or more, the winner is determined by results of timed SS.

2. Technical requirements

4WD cars and ATV conforming to the Technical Requirements are allowed to take part in the competition.

Group	Maximum wheel diameter	Maximum wheels width	Safety cage	Winch
Adventure-Open	970 mm, tractor tires are allowed	470 mm	-	2
Adventure *	838 mm	343 mm	-	1
ATV-Adventure	740 mm	12,5”	-	1

* Cars competing in Adventure group must conform to TR-1 Technical Requirements. The following is additionally allowed:

- For cars with wheelbase of 2740 mm and more – wheel diameter up to 890 mm, wheel width – up to 343 mm;
- Wheel arches cut to install wheels of larger diameter;
- Sub frame installation;
- Body and suspension lift as well as suspension parts replacement including springs relocation.

3. Crews size

For crews competing in “Adventure” scoring category the crew must consist of not less than two, but not more than five people, the crew size must not exceed the number of installed seats. Crews compete individually.

For “ATV-Adventure” scoring group, the crew consists of one person. Crews compete in teams consisting of two crews.

4. Terms of the Competition. Duties of the Participants.

For “Adventure” scoring category, the competition is held on the closed route of more than 1200 km length, including a 150 - 400 km of special stages (SS) including heavy roads, deep ruts, water crossings, sand, swamps, rocks etc. The competitive part of the trophy-raid programme includes additional special stages (Additional SS). The results of Additional SS are included into overall scoring. Additional SS scoring includes coefficients that will be published in bulletin before the competition start.

4.1. Starting order

The starting order for the first Special Stage is defined by a drawing procedure that takes place during the Registration.

In case if some Participants retire from the competition, respective changes may be added to the start lists.

4.2. Road Book. Driving at SS:

4.2.1. Participants must to follow the route specified in the Road Book. The route is designed with cartographic material and geographical coordinates obtained by GPS-receivers. In order to limit the route width, a corridor may be established at some sections of the route (an electronic means may be set up to ensure that participants follow

the designated corridor). Check Points can also be established on the route. These check point will be stated in the Road Book and are easily recognizable.

4.2.2. To ensure that Participants follow the designated route the Organizer provides them with a track logger – it will be installed in vehicles and sealed to record GPS-track of Participants at each SS. During the competition, Participants hold the responsibility over this track-logger.

Any incident, which occurred through the fault of the Participant (loss, destruction, switching off, was not switched on in time, etc.), making it impossible to download the Participant's GPS-track and / or any attempt of fraud, manipulation, proven by navigation control service entail penalties. Damage or absence of the seal is penalized at a rate of Time Penalty for the given SS.

If desired, the Organizer can seal up the participant's navigation device to double-check the correct special stages' passage in case of dispute, if technically feasible. Sealing laptops, tablets and other devices running Windows, Mac OS, iOS and Android as well as Garmin 276 and 276c is not allowed.

It is not recommended to use Organizer's track loggers as an external GPS signal receiver.

Data from the Participant's navigation device installed additionally and sealed by the Organizer will be accepted for consideration in case of dispute only after submitting a written request to the Competitor Relations Officer.

It is strongly recommended to turn off the track logger at liaisons to avoid erasing the SS track tail from the device.

Turn on the track logger 5 minutes before the start to establish a proper connection with satellites.

4.2.3. In case of the track logger loss or damage the returnable deposit of RUR 10 000 will be retained by the Organizer in addition to a fixed Time Penalty (Normative) if SS track is also missing in the Participant's sealed device. Loss of the chip is charged with RUR 1500 fine with a Time Penalty applied to the crew for the SS. Additionally, crews will get Time Penalty for the SS in case if it will not be possible to define the crew's timing from Timing Marshal's records.

4.2.4. Means crews timing recording at SS are electronic punching system chip, Checklist (Carnet) and Timing Marshals' records. BSC is eligible to penalize crews in case of Checklist loss or missing records at Check Points in it. Loss of both chip and Checklist causes a fixed penalty for the given SS equal to the Time Penalty (Normative) and a fine of RUR 1 500. Participants are prohibited to make any corrections in the Checklist. In case if these corrections are made, a Time Penalty is applied.

4.2.5. The Participant must follow through all the GPS points specified in the Road Book in the designated order with the following maximum deviations: not more than 30 meters for way points marked with W (so called "red" way points), all the rest – not more than 60 meters.

Deviations of more, than specified above are considered as route violations and are penalized as follows: "red" way points deviation for more than 30 meters – 2 minutes for each incomplete meter, deviation for 60 and more meters – 1 hour;

All other waypoints: deviation for more than 60 meters – 1 minute for each incomplete meter, deviation for 90 and more 90 meters – 30 minutes. In case, if crew gets the maximum penalty for the deviation from the waypoint, the point is considered as skipped.

Note that the predetermined allowed deviation from the way point is because any navigation device recording the data has a certain inaccuracy depending on the signal quality received from satellites. In order to ensure taking the point precisely it is recommended to drive up to it as close as possible.

4.2.6. Detailed information about methods for marking the route will be published in Bulletins.

4.2.7. Participants are allowed to transport their sports vehicles, ATV, motorcycles and bicycles outside SS.

4.3. Time limit, Start, Finish

4.3.1. SS Start closes 30 minutes after the start of the last Participant (Team) of this group according to the start list.

4.3.2. SS Finish closes according to SS Schedule.

4.3.3. The crew must provide their chip and track logger to the respective Services at the base camp to download timings and tracks until 09:00 in the morning on the day after the SS. After "Ladoga Challenge", the crew must provide means of timing and tracks not later than 23:00 of the day following "Ladoga Challenge" start day. In case if crew does not provide Timekeeping and Navigation Control services with data stated above, the crew gets a Time Penalty (Normative) for the SS.

4.3.4. If the crew is late to the SS start up to 30 minutes, a fixed penalty is applied as 1 minute for each minute of delay. If the crew arrives to SS start later than 30 minutes, they are not allowed to start.

4.3.5. Exceeding the Time Limit of SS and absence of the track from SS causes a fixed Time Penalty (Normative) for the SS.

"Time Penalty (Normative)" – time that is given to a crew when they fail to get SS result in the following cases:

- No start or no finish at the SS
- Exceeded the SS time limit
- Exceeded the scoring group leader's time multiplied by 2 (including time penalties)

Time penalty is calculated as follows:

- In case if SS has a specified Time Limit: Time Limit multiplied by 1,2 coefficient;
- In case if SS does not have any specified Time Limit: scoring group leader's result multiplied by 2, and then multiplied by 1,2 coefficient (in total – multiplied by 2,4 coefficient).

Getting a Time Penalty for "Adventure" competitors means that the SS is not scored.

Appendix 3

“Grand-Tourism” category

Groups “GT Pro”, “GT Lite” and “GT Lite Moto”

1. Description
2. Technical requirements
3. Crews size
4. Programme and competition part

1. Description

“GT Pro” scoring group

Participants will be offered navigation tasks in the form of quest and require searching various objects and solving different tasks in order to find way points used in three navigation speed sections.

The crew’s position in the final classification of the competition is determined by the sum of three navigation speed sections results carried out in the form of "pursuit race" and the results of all additional special stages (including coefficients stated in the bulletin). The coordinates of points used in the pursuit races will have to be calculated by formulas handed on at pursuit races start.

“GT Lite” and “GT Lite Moto” scoring groups

The participants are offered a "cultural navigation" in the form of quest including visiting natural monuments, historical sites and special sages of “Sport” scoring category. The winner is determined by the number of special stages passed within the Time Limit. If this number is equal for two or more crews, a crew that has the minimal total time for all special stages (including coefficients) is considered as winner.

The term "Time Penalty (Normative)" is used to calculate results in these categories for special stages mentioned in the Bulletin only. The Bulletin will be released prior the competition start.

2. Technical requirements.

4WD cars conforming to the Technical Requirements are allowed to compete in “GT Pro” and “GT Lite” scoring groups. Any road motorcycles are allowed to compete in “GT Lite Moto” scoring group.

Group	Wheel diameter	Wheel width	Safety cage	Winch
«GT Pro»	Not limited	Not limited	-	Recommended
«GT Lite»	Not limited	Not limited	-	-

For cars competing within “GT Pro” scoring group it is recommended to have special off-road equipment (winch, highjack, sand tracks etc.) as well as helmets for all the crewmembers.

3. Crews size

For crews competing in “GT Pro” and “GT Lite” scoring groups the crew must consist of not less than two-and not more than four people, the crew size must not exceed the number of installed seats.

For motorcycles, competing in “GT Lite Moto” size of a crew must not be more than the number of installed seats.

4. Programme and competition part

4.1. Definitions used for “GT Pro” group:

“**Bonus point**” - a location that participants can visit to get an answer for a task and obtain the time advantage that is taken into consideration for SS “Pursuit Race” starting order. The exact time bonus is specified in the Road Book.

“**Pursuit race**” - a timed special stage where participants have to reach the “finish points” specified in the task. One “Pursuit race” SS can include 2 to 6 “finish points”, and in order to get this SS scored the crew must visit all points included into this SS. Crews who found all the finish points must reach SS Finish as fast as they can. The Road Book for “Pursuit Race” includes the list of “Finish points”, formulas to calculate “Finish points” GPS coordinates, the task for each finish point and other necessary information. The starting order for SS “Pursuit Race” is determined by the Organizer with considering all the visited Bonus points. The start point coordinates and the start list for SS “Pursuit Race” will be published on the Main Information Board not later than 1 hour before the SS start.

“**Additional SS**” - an additional high-speed section. Short timed special stage with timing as determinant factor. Additional SS examples: "Orienteering by the Road Book", "Sandy sprint", "Trial", "Figure driving", etc. Final results

are calculated with reduction coefficients. The exact list of additional SS to be published in the Bulletin before the competition start.

"Road Book" - a written document issued by the participants on a daily mandatory briefing and containing numbers and a description of the mandatory and bonus points to be visited to participants during the monitoring time and the task to be performed at each point.

"Road Book" is a printed document handed out to crews at daily mandatory briefings every day. It contains numbers and description of mandatory and bonus points that crews shall visit during the day as well as task that should be done at each point.

"Mandatory point" – a location that crews must visit to find an answer to the respective question in the Road Book. This answer is then used in the formulas needed to calculate the coordinates of finish points used in SS "Pursuit Race".

"Finish" – the timing marshal will be located at the finish point. The crews' arrival order determines their result at SS "Pursuit Race". The finish record is made when a car with all the crewmembers on board is present in the Finish point.

"Finish point" - several locations that crews must find. The points' coordinates are calculated according to formulas handed out at SS "Pursuit Race" start using answers found in mandatory points. Upon visiting finish points and completing the specified tasks the crew gets SS "Pursuit Race" scored. The crews who do not perform specified tasks in the Finish point or who do not manage to visit all the points within SS are not scored in this SS.

Example of the finish point calculation:

Seeking point: N 60°AB, E 3F°GH, XYZ', where A = Answer 1 + Answer 3; B = Answer 2 divided by Answer 1; C = Answer 2 multiplied by Answer 3

Mandatory point Q112 GPS-coordinates: N 60°41'763", E 34°37'045" Answer 1: Number on a birch

Mandatory point Q113 GPS- coordinates: N 60°55'647", E 35°00'065" Answer №2: Number of stripes on a tree

Mandatory point Q114 GPS- coordinates: N 60°47,931", E 34°59,454" Answer 3: Number of bells in the bell tower

Etc...

"Photo fixation" – the way to prove that the crew visited "Bonus points" and "Finish points". Crews must take a picture of themselves using a digital picture camera and following the picture composition rules.

"GT Pro" participants' task:

During Ladoga Trophy Raid, the participants competing in "GT Pro" group must visit Mandatory Points specified in Road Books handed out at daily mandatory briefings and find answers at these points. It is not required to take the Mandatory point by car. Taking the points by people who are not a part of a crew or by crewmembers on a car that has not been included into the scoring group is prohibited. Crews are free to choose what specified Bonus points they will visit during their daily route. Taking the Bonus point by car is mandatory.

The participants are offered several special stages in the form of a "Pursuit Race". The starting position for each crew is determined considering the number of Bonus Points taken by them at the time when the starting list will be made for each Pursuit Race. Bonus Points for SS1 are not taken into consideration for starting lists for SS2 or SS3.

After each SS "Pursuit Race", the crews will get scoring point according to the following formula:

$OM = 100 - (100 - 1) / (\sqrt{C} - 1) * (\sqrt{M} - 1)$ where OM – the number of scoring points; C – number of crews within "GT Pro" scoring group; M – position taken. Rounding according to mathematical rules, to one decimal place.

The number of scoring points obtained by the crew is the SS result.

In addition, during Ladoga Trophy Raid the participants will be offered several Additional Special Stages. At the end of each Additional SS the participants will get scoring points calculated by formula for SS "Pursuit Race" given above multiplied by the lowering coefficient (Lowering coefficients will be published in the Bulletin prior to the competition start). The scoring points multiplied by lowering coefficient are the Additional SS result.

"GT Pro" winner is the crew obtained the maximum number of scoring points for all SS and Additional SS. If scoring points sum is equal, the advantage is given to the crew who earned the largest number of scoring points at SS, and in case of repeated equal number of scoring point the winner is determined by SS3 results

For example:

There are 40 crews in "GT Pro" group, a lowering coefficient for all Additional SS is 0,33. Crew N1 took the first place in two SS and all Additional SS, but was not scored for third SS. Crew N2 was third at SS1, fifth at SS2, fifteenth at SS3 and second at all Additional SS. This way these two crews will get the following scoring points:

Crew	SS1	SS2	SS3	Add. SS1	Add. SS2	Add. SS3	Add. SS4	Overall
N1	100	100	0	33	33	33	33	332 points
N2	86,4	77	46,6	30,5	30,5	30,5	30,5	332 points

Crew N2 is considered a winner between two crews as far as the crew obtained more scoring points at all three SS: 210 points against Crew N1 that obtained 200 points.

4.2. Definitions used for "GT Lite" and "GT Lite Moto" scoring groups.

"Bonus Point" – a location that can be visited by a crew to get an additional advantage.

"Additional SS" - an additional high-speed section. Short timed special stage with timing as determinant factor. Additional SS examples: "Orienteering by the Road Book", "Sandy sprint", "Trial", "Figure driving", etc. Final results are calculated with reduction coefficients. The exact list of additional SS to be published in the Bulletin before the competition start.

"Scoring of the day" – an indicator of successful fulfillment of all tasks in the Road book. Is determined as an arithmetic equality of "Sum of the day" stated by the crew and the sum of correct crew's answers to questions in the Road book.

"Road Book" is a printed document handed out to crews at daily mandatory briefings every day. It contains numbers and description of mandatory and bonus points that crews shall visit during the day as well as task that should be done at each point.

"Quest point" – location that should be visited by the crew and find an answer for the respective questions from the Road Book. This answer is used to calculate a so-called "Sum of the day".

"Sum of the day" – an arithmetic sum of all answers to tasks in the Road book.

"Photo fixation" –the way to prove that the crew visited "Bonus points" and "Finish points". Crews must take a picture of themselves using a digital picture camera and following the picture composition rules.

"GT Lite" and "GT Lite Moto" participants' task:

During Ladoga Trophy Raid, the participants competing in "GT Lite" and "GT Lite Moto" group must visit the points specified in Road Books handed out at daily mandatory briefings and find answers at these points.

Crews are free to choose what specified Bonus points they will visit during their daily route.

Taking Quest points and Bonus points by car is not required. Taking the points by people who are not a part of a crew or by crewmembers on a car that has not been included into the scoring group is prohibited.

In addition, "GT Lite" and "GT Lite Moto" participants will be offered several Additional SS. After each Additional SS, the crews will get scoring point according to the following formula:

$OM = 100 - (100 - 1) / (v_c - 1) * (v_m - 1)$ where OM – the number of scoring points; C – number of crews within "GT Pro" scoring group; M – position taken. Rounding according to mathematical rules, to one decimal place.

The obtained result will be multiplied by the lowering coefficient that will be published in the Bulletin prior to the competition start. The amount of scoring points multiplied by the lowering coefficient is considered as Additional SS result.

The winner in "GT Lite" and "GT Lite Moto" is considered as a crew obtained the maximum number of "Scoring of the day". If this number will be equal for two or more crews, the winner will be determined by the largest number of taken Bonus points. In case if equal numbers will take place again, the advantage will be given to a crew who got the maximum sum of scoring points at all Additional SS. In case, if some crews will have equal sum of scoring points at Additional SS, the winner will be a crew who demonstrated the best result at Additional SS.

Appendix 4

“Moto” scoring category “Moto Sport” and “Moto Adventure” scoring groups

1. Description
2. Technical requirements
3. Crews size
4. Programme and competition part

1. Description

1.1. The scoring in “Sport” scoring category is based on “pass-through timing” meaning the sum of all special stages results and all the time penalties included. The winner is a crew with minimal total time.

1.2. The winner among “Adventure” scoring category is determined by the number of special stages passed within the Time Limit.

One or several SS for “Moto Adventure” scoring category (the exact number of special stages will be stated in the Road Book) are based on “pass-through timing”. The winner is determined by the maximum number of special stages, made within the time limit. In case if this value is equal for two or more, the winner is determined by results of timed SS.

2. Technical requirements

All motorcycles conforming to the Technical Requirements are allowed to compete.

3. Crews size

In «Moto Sport» scoring group the crew must consist of one person. Participants compete in teams consisting of two crews (2 motorcycles).

In the «Moto Adventure» scoring group the crew must consist of one person. Participants compete in teams consisting of two-three crews (2-3 motorcycles). The number of crews in a team should persist throughout the competition.

4. Programme and competition part

For “Moto Sport” and “Moto Adventure” scoring groups the competition is held on the closed route of more than 1200 km length, including a 50 - 200 km of special stages (SS) including heavy roads, deep ruts, water crossings, sand, swamps, rocks etc. The participants are allowed to transport their motorcycles outside SS.

4.1. Starting order

The starting order for the first Special Stage is defined by a drawing procedure that takes place during the Registration.

In case if some Participants retire from the competition, respective changes may be added to the start lists.

4.2. Road Book. Driving at SS:

4.2.1. Participants must follow the route specified in the Road Book. The route is designed with cartographic material and geographical coordinates obtained by GPS-receivers. In order to limit the route width, a corridor may be established at some sections of the route (electronic means may be set up to ensure that participants follow the designated corridor).

The participants' timing is recorded using an electronic punching system chip. Check Points will be established on the route and easily recognized by the participants from the Road Book. Each crew must record the timing at CP. Missing the timing record at CP is penalized by 1 hour.

4.2.2. Means crews timing recording at SS are electronic punching system chip, Checklist (Carnet) and Timing Marshals' records. BSC is eligible to penalize crews in case of Checklist loss or missing records at Check Points in it. Loss of both chip and Checklist causes a fixed penalty for the given SS equal to Time Penalty and a fine of RUR 1 500. Participants are prohibited to make any corrections in the Checklist. In case if these corrections are made, a Time Penalty is applied.

4.2.3. Detailed information about methods for marking the route will be published in Bulletins.

4.2.4. Participants are allowed to transport their sports vehicles, ATV, motorcycles and bicycles outside SS.

4.3. Time limit, Start, Finish

4.3.1. SS Start closes 30 minutes after the start of the last Participant (Team) of this group according to the start list.

4.3.2. If the crew is late to the SS start up to 30 minutes, a fixed penalty is applied as 1 minute for each minute of delay. If the crew arrives to SS start later than 30 minutes, they are not allowed to start.

4.3.3. SS Finish closes according to SS Schedule.

4.3.4. The crew must provide their chip and track logger to the respective Services at the base camp to download timings and tracks until 09:00 in the morning on the day after the SS. After “Ladoga Challenge”, the crew must provide means of timing and tracks not later than 23:00 of the day following “Ladoga Challenge” start day. In case if crew does not provide Timekeeping and Navigation Control services with data stated above, the crew gets a Time Penalty (Normative) for the SS.

4.4. Time limit, Time Penalty

4.4.1. For “Moto Sport” scoring group:

Exceeding the Time Limit of SS and absence of the fact that SS route was made causes a fixed Time Penalty (Normative) for the SS.

“Time Penalty (Normative)” – time that is given to a crew when they fail to get SS result in the following cases:

- No start or no finish at the SS
- Exceeded the SS time limit
- Exceeding the scoring group leader’s time multiplied by 2 (including time penalties)

Time penalty is calculated as follows in this case: the scoring group leader’s result multiplied by 2, and then multiplied by 1,2 coefficient (in total – multiplied by 2,4 coefficient).

4.4.2. For “Moto Adventure” scoring group:

For all SS (except SS with “pass-through timing”) exceeding the time limit and missing the fact of making this SS causes a fixed Time Penalty (Normative) for the SS. Time Penalty in this case equals to the SS time limit multiplied by 1,2.

For SS with “pass-through timing” the Time Penalty is given in the following cases:

- No start or no finish the SS
- Exceeded the SS time limit
- Exceeding the scoring group leader’s time multiplied by 2 (including time penalties)

Time penalty is calculated as follows in this case: the scoring group leader’s result multiplied by 2, and then multiplied by 1,2 coefficient (in total – multiplied by 2,4 coefficient).

Getting a Time Penalty for “Moto Adventure” scoring group means that the SS is not scored.

4.5. “Time limit” – the maximum time to complete a special stage.

4.6. The Organizer does not guarantee the presence of timing marshals at control posts for teams who exceed the specified time limit.

Appendix 4

“Velo” scoring category “Velo” and “Velo Lite” scoring groups

1. Description
2. Technical requirements
3. Crews size
4. Programme and competition part

1. Description

Ladoga-Trophy Velo is an all-comers competition. Any individual older than 14 years regardless of gender and place of residence who apply for the competition, agree with the current Regulations and pay entry fee are allowed to compete. The participants must register in advance to take part in the competition. Non-registered participants are not allowed to take part in the competition.

2. Technical requirements

Mandatory equipment:

- Bicycle of any model in working order with a rear red light (MTB bicycles are recommended)
- Helmet to be used throughout the competition
- Head light or cycle lamp with spare batteries
 - Cycling gloves
 - Compass
 - GPS navigator
 - A set of bike tools and necessary spare parts
 - First aid kit
 - Mobile phone with full battery

Recommended equipment and gear:

- Clothing appropriate to weather conditions, and an extra set of dry clothes in a sealed bag
- Food supply for the special stage
- Whistle
- Repellent

Using equipment with electric and petrol engines is prohibited.

3. Size of crews

Participants compete in teams of 2-3 people of any gender. Scoring by age groups is not included into the competition.

4. Programme and competition part

Each competition day the participants take over one special stage (SS). The winner is determined by the least time spent at all special stages (pass-through timing).

During the event, participants will be offered the following cycling disciplines:

- Cross-country marathon
- Orienteering by the road book
- Orienteering by sports orienteering map with Check Points (CP)
- Cross-country relay race
- GPS-orienteering and orienteering by satellite image
- Secret disciplines

It is recommended to use a bike map holder for navigation stages.

All navigation stages require basic maps and compass usage skills. Using GPS navigator is also allowed.

Daily routes are planned the way that anyone having a minimum endurance level and good mountain biking skills will be able to make them.

Approximate length of the route each day - 30 to 100 km.

Each special stage has its time limit. All experienced cyclists can ride the whole distance within this time limit. Amateurs (Velo Lite) will be offered shortcuts.

Stages rules and shortcuts will be determined by the Road Book.

During the competition, the participants are prohibited to:

- Use third parties' assistance (individuals not participating in the competition and not a part of officials' crew). Third parties (individuals who support participants and teams) are allowed to transfer food at feeding stations,

start and finish areas only;

- Replace the bicycle without re-sealing the unique starting number on the handle bar;
- Take off helmet during the ride;
- Make obstacles for other participants when repairing the bicycle;
- When overtaking, the stronger rider must not create obstacles or push the participant being overtaken, and should provide a more favorable pathway.

Participant may be disqualified for the competition Regulations violation.

4.2. Means crews timing recording at SS are electronic punching system chip, and / or Checklist (Carnet) and Timing Marshals' records.

Check Points will be established on the route and easily recognized by the participants from the Road Book. Each crew must record the timing at CP. Missing the timing record at CP is penalized by 1 hour.

BSC is eligible to penalize crews in case of Checklist loss or missing records at Check Points in it. Loss of the Checklist is penalized by a Time Penalty according to BSC decision. Loss of a chip is penalized by the fine of RUR 1 500 and a Time Penalty for SS. In case if it is not possible to define the team's start or finish time from Timing Marshals' records, a Time Penalty is also implied.

Additional information on the route marking will be published in Bulletins.

4.3. If a team is late at the SS start up to 30 minutes, a fixed penalty is applied as 1 minute for each minute of delay. If a team arrives to SS start later than 30 minutes, they are not allowed to start.

4.4. Exceeding the time limit and missing the proof of making the special stage implies a Time Penalty for SS.

Results. Awards

The scoring is based on the "pass-through timing", the winner is determined by the minimal sum of all SS timings including all time penalties.

Appendix 6

Camp Services Schedule

Administration	Daily, except relocation days	From 7-30 to 24-00
	Monday, 12.06.17	From 7-30 to 13-00
Navigation Control	Daily, except relocation days	From 7-00 to 2-00
	Monday, 12.06.17	From 7-30 to 12-00
Timekeeping service	Daily, except relocation days	From 7-30 to 24-00
	Monday, 12.06.17	From 7-30 to 12-00
Medical service	Daily, except relocation days	From 7-30 to 24-00
	Emergency cases	24/7
Press service	Daily, except relocation days	From 9-00 to 24-00
Cafe	Daily, except relocation days	24/7
Shower	Daily, except relocation days	From 7-00 to 20-00, Break from 13-00 to 17-00
	Relocation day	From 7-00 to 13-00
Play space	Daily, except relocation days	From 11-00 to 17-00 Перерыв с 13-00 to 14-00
	Relocation day	Closed