

REGULATION
ON EXECUTION OF THE CONTEST OF ENGINEER UNITS
"SAFE ROUTE"

I. General provisions

1. The Contest of engineering units "Safe Route" (hereinafter referred as the Contest) of the Armed Forces of the states-participants of the Contest (hereinafter referred as the participants of the Contest) is held within the framework of the International Army Games – 2019 (hereinafter referred as the IAG–2019).

2. The goals of the Contest are:

to reinforce international military and technical military cooperation of the participants of the Contest;

to raise the prestige of military service in engineering troops;

to raise the level of field training of the Contest participants;

to develop competitiveness;

to demonstrate military performance of modern models of engineering equipment.

3. Official symbol of the Contest is the emblem of the Contest.

4. Official languages of the Contest are Russian and English.

5. The location of the Contest is the Tyumen Military Engineering High School, Tyumen city (training area Andreevskoye).

6. The team that participates in the Contest includes:

The head of the team participating in the Contest (representative of the State participating in the Contest who is responsible for organization, cooperation with the Chief Judge of the Contest and the judge commission of the Contest);

the team of the Contest: Contest team captain; representatives of the Contest team – movement-support detachment (hereinafter referred as MSD) that includes an engineering assault section (group) consisting of 5 persons (including an officer), 1 set of heavy mechanized bridge (4 TMM vehicles) consisting of 9 persons (including an officer), a crew of track-layer of 2 persons, a crew of combat engineer vehicle of 2 persons;

coaching team – 2 persons;

maintenance support crew – 2 persons;

staff – 3 persons.

II. Management of preparation and execution of the Contest

7. An organizational committee is created to organize the preparation for the Contest that includes representatives of the Russian Federation Ministry of Defense, and of public authorities, representatives of local government (as agreed), and personnel is confirmed by the Chief of Engineers of the Russian Federation

Armed Forces.

General management of preparation and execution of the Contest during IAG–2019 is assigned to the Chief of Engineers of the Russian Federation Armed Forces.

8. Direct preparation of the facilities and of barracks and quarters as well as organization of lodging and alimentation of the Contest participants is assigned to commander (chief) on whose territory the Contest is held.

9. During the Contest the judge commission shall be appointed and includes: the Chief Judge of the Contest; secretary of the Contest; field referees of the Contest (number of referees is determined according to the Regulation of the Contest); members of the judge commission of the Contest that includes representatives of the team participating in the Contest (as agreed).

The Chief Judge of the Contest must:

a) head work of the judge commission of the Contest;

b) exercise control;

that representatives of the team participating in the Contest follow conditions of the program of the Contest execution;

that preparation and equipping of the obstacles on routes (traces, water training areas etc.) is executed correctly;

c) control that field referees carry their duty correctly;

d) inform the Contest team leaders on all changes made in the Contest execution (changes in the dates of the Contest stages etc.);

e) examine protests and make all decision personally or submit them for discussion of the judge commission of the Contest;

f) uphold results of the Contest and in the end report (present protocols and the Contest rating table) to the Chief Judge of the Games;

g) confirm check-roll of the Contest team representatives according to final protocols of the Contest and present it to the Chief Judge of the Games;

h) suspend (stop) the Contest if the conditions arise that may impede ordinary execution of the Contest, or if there are prerequisites to violate safety requirements;

i) not admit the Contest teams to the Contest stages in case of violation of the requirements of the present Regulation.

10. Secretary of the Contest is responsible for results statement, protocols and the Contest documentation keeping.

11. Field referees are responsible for observation of the right passage of correspond obstacles on routes (traces, water training areas etc.).

12. The Contest administration is created to manage directly overall management of the Contest. It is assigned from the personnel of the military unit (organization) on whose territory the Contest is held. Personal staff of the Contest administration is to be confirmed.

III. Procedure of the Contest

13. The Contest is held according to the detailed program of the Contest that is approved by Chief of Engineers of the Russian Federation Armed Forces.

14. There are solemn opening and closing ceremonies of the Contest. All Contest participants take part in these ceremonies.

15. Arrival of the teams that participate to the locations of the Contest's execution and their lodging there is realized not later than 15 days prior to the opening of the Contest, during these days several activities are held according to the Program of the Contest.

IV. Contest execution conditions

16. Contest teams are allowed to compete in the Contest if their states have provided their readiness and arrival on time.

17. Teams' participants in the Contest use their own models of military equipment that have similar military performances (no modernization, no prototype, and produced in lots) that are on service of the Russian Federation Armed Forces. Russian Party may provide teams with military equipment as agreed with participating teams.

18. Preparation of military equipment is realized according to the requirements of exploitation of these equipment models.

19. During realization of the Contest participating teams hold walk-around inspection of military equipment, in the end of each day they carry on maintenance service and prepare for the next day's activities.

20. If military equipment is out of service, it shall be changed for alternate equipment by a command of the Chief Judge of the Contest with evacuation team provided by administration.

21. During Contest execution it is forbidden for coaching team and for maintenance support crew of the teams participating in the Contest to use radio networks of the judge commissions and of the Contests administrations.

22. In case of prerequisites to violate safety requirements, force-majeure or circumstances of insuperable force that may influence on final results of the Contest, the Chief Judge of the Contest shall suspend it not only for a specific team but also for all teams that are on the route until normal conditions for its execution are established. Timing of route passing by the Contest teams is to be stopped simultaneously. Once reasons of the Contest suspension are removed, timing is resumed under a command of the Chief Judge of the Contest.

The Contest teams that made flagrant violation of safety requirements shall be removed from participation in the Contest stage.

23. Upon arrival of the teams participating in the Contest and before the beginning of each stage of the Contest the Contest participants shall pass medical inspection.

24. The ballot shall be held before the beginning of the Contest stage by the

judge commission of the Contest and it determines the order of start and the number of the route for each unit, crew (team) of the Contest team. In this regard a representative from each team takes out of a shadow-proof bag (container) a coin with order of start and the number of the route.

25. Issues related to overall management of the Games participants as well as to their responsibility for causing of harm or damage of the Contest participants' health, of facilities and compensation shall be resolved on accordance with the Contest participants.

V. Duties of the Contest participants

26. The Contest participants must:
 know requirements of the present regulation and strictly carry them out;
 appear at the Contest by specified time with organic weapon and equipment,
 carry corresponding ID;
 be in Contest participants places and keep to the Contest schedule;
 comply inviolately with instructions of the judge commission of the Contest;
 observe rigidly rules of weapon handling.

The contest team representative can't simultaneously be a member of the judge commission of the Contest that he participates in.

27. A foreman is appointed in each Contest team.

A foreman is responsible for the safety of weapon and munitions, military discipline, observation of the Contest rules, safety requirements and daily routine that are followed by the Contest team representatives.

He must:

by specified time submit documents to the judging commission of the Contest that are stipulated by present Regulation;

permanently be in the place of the Contest execution and leave it only upon authorization of the Chief Judge of the Contest or a substitution person;

inform a Contest team on decisions of the judging commission of the Contest, changes in daily routine and detailed contest program;

submit additional applications to the judging commission of the Contest, inform timely on the Contest team representatives that leave the Contest upon medical conclusion decision;

be aware in results demonstrated by the Contest team representatives, summarize day performance of the Contest team representatives, assign missions for upcoming days;

attend on sessions of the judge commission of the Contest and participate in ballot.

It is forbidden for the foreman to interfere in the work of the judging commission of the Contest as well as to make decisions on dismissing of the Contest commission representatives without further application and notification to the judging commission of the Contest.

VI. Contest stages

28. The Contest is held with use of 1 set of TMM heavy mechanized bridge (hereinafter referred as mechanized bridge), BAT track-layer (hereinafter referred as track-layer), IMR combat engineer vehicle (hereinafter referred as engineer vehicle) (hereinafter referred as engineer equipment) that are on service and are produced in lots.

29. The judging commission shall ballot for places in the presence of representatives of the teams that participating in the Contest. Results of the ballot are recorded in a protocol, are signed by the judging commission and by representatives of the teams that participate in the Contest.

30. **First stage of the Contest.** Competition for crews, units in nomination "The best engineering assault section (group)" is ERP's action on engineering terrain reconnaissance.

31. **Second stage of the Contest.** Competition for units in nomination "The best TMM unit" is a process of equipping of bridge crossing over obstacle.

32. **Third stage of the Contest.** Competition for crews in nomination: "The best BAT track-layer crew" is a process of equipping of crossing an obstacle; "The best CMV engineering vehicle crew" is a process of picking of tree barrier and obstacles, equipping of crossing over antitank ditch.

33. **Forth stage of the Contest. Relay** "Safe route" (determination of the best team of the Contest).

Relay is executed stage by stage on the route of 2000m.

Each team appears as a movement-support detachment (hereinafter referred as MSD) to directly provide movement of tank elements. The MSD leader is commander of engineering reconnaissance patrol.

MSD includes:

engineering reconnaissance patrol (hereinafter referred as ERP) (engineering assault section (group) on armored personnel carrier APC);

road bridge group (crew of BAT track-layer, IMR combat engineer vehicle crew, set of TMM heavy mechanized bridge (4 vehicles)).

Start is simultaneous.

Route shall be equipped with:

"Start" (with start position and holding position) and "Finish" marks; legs (obstacles): fords with hanging bridges, towers with helicopter models of 8-10m height, rope walls, facades of two-floor houses, combined leg of barriers, leg of remote set antipersonnel mine field, obstacle to be overcome by using mechanized bridge, obstacle to be overcome by using track-layer, obstacle and destruction belt, antitank ditch, tree barrier.

Before the beginning of the stage MSD takes the start position and upon set signal (signal shall be duplicated via radio communication) starts moving.

From the start position a movement-support detachment comes forward to first leg of "Safe route" overcoming obstacles on the route.

Time penalty shall be added to the total time of the Contest team:

for touching limiters on obstacles – 30 seconds;

for beating obstacles down – 60 seconds.

First mission of the relay: ERP consisting of engineering assault section (group) are located inside the model of helicopter and are ready for action on signal.

Column stops within 10 meters of the ford (width is 8m, length is 30m, depth is 1m), halt point is marked with antitank hedgehog.

Once APC stops, engineering assault section (group) deplanes from the model of helicopter and removes antitank hedgehog.

Section leader gives a command to overcome: hanging bridge over ford, rope wall and facade of two-floor house.

A command to continue moving comes from command post.

Time penalty shall be added to the total time of the Contest team:

bypassing (not overcoming) of the obstacle – 3 minutes.

On second leg of the relay: The column continues moving following engineering assault section (group) and stops 10 meters in front of the area of remotely delivered minefield (hereinafter referred as RDMF) (width is 30m, depth is 30m) using helicopter system of mining (hereinafter referred as HSM). The boundaries of mining field area are marked; halt point is marked with antitank hedgehog. Two anti-personal mines POM-2 type and four anti-personal mines PMN-2 type are located in the RDMF area.

Four mine pickers of engineering assault section (group) holding mine detectors and probes move right at interval of 1,5m and effect a breach with 6m width and 30m depth. When locating a mine, a mine picker sits down on knee and gives a signal by raising hand, so that the whole unit stops moving, unit chief sets up a pointer to destroy that subsequently using pressure charge. Intelligence is to be continued under a command of the unit chief. The chief of ERP follows mine pickers, observes quality of demining process and directs activities of the unit.

Destroying of located anti-personal mines is effected simultaneously once intelligence with use igniting fuses ZTP-50 and training trinitrotoluene blocks is over, under a command of the unit chief. Once ZTPs-50 are ignited, engineering assault section (group) personnel is located behind APC. Once located mines are destroyed the unit chief orders a command to set up mine-field lane boundaries (marking pointers are located nearby in preprepared locations specified for the pointers setting), to make up engineering equipment, to make personnel get into the armored personnel carrier, and reports to the command post on mission accomplishing using communications facilities.

Time penalty shall be added to the total time of the Contest team:

undetection of a "mine" – 1 minute;

undesignation of detected "mine" – 15 seconds;

undesignation of a lane in the RDMF with prepared landmarks and pointers (one landmark or pointer is not set) – 15 seconds;

bypassing (not overcoming) of the obstacle – 3 minutes;

crew is not located behind APC when destroying detected mines –

30 seconds;

If one mine or several mines are not detected, repeated passing is not allowed.

The column continues moving. At the moment when first armored personnel carrier crosses the termination line of remotely delivered minefield, the chief of simulation explodes all legs of antitank ditch.

On third leg of the relay: antitank ditch with 6m width, 36m length and 1,6m depth is settled.

The location for bridge erection is chosen and marked. One TMM bridge conduit is set on the obstacle.

Under a command of chief of MSD, first TMM vehicle comes forward to a location of bridge crossing erection and erects bridge conduit.

Once bridge span is settled first TMM vehicle is located behind APC, second, third and fourth TMM vehicles settle bridge superstructures and are in column.

Once bridge is erected, crew of TMM vehicles stations limiters and road signs (bridge capacity and speed of traffic) in preprepared locations. Limiters and road signs stationing is a kind of signal for the chief of MSD that bridge erection is over.

The chief of the unit reports to the command post on mission accomplishing using communications facilities.

A command comes from a command post to continue moving.

The column continues moving.

Vehicles and TMM crews cross the bridge; the chief of the crew arranges commandant's control service and gives signals to driver mechanics when equipment is crossing the bridge.

Time penalty shall be added to the total time of the Contest team:

vehicle missed bridge axis at first race – 10 seconds;

wheel guards are not stationed – 30 seconds;

when stationing bridge span, hand-brake of the vehicle is not applied – 10 seconds;

bridge limiters are not stationed (one limiter) – 30 seconds;

road signs are not settled (one sign) – 10 seconds;

bypassing (not overcoming) of the obstacle – 3 minutes;

On forth leg of the relay: six craters are arranged (to fulfill the task using bulldozer equipment BAT), BAT-2 crew is entrusted with the task to reconstruct area of columnar route with 50m length.

Special locations for the task accomplishing are marked (depth of the crater is 1m, diameter is 6m).

Driver mechanic occupies organic place and observes monitoring instruments readings. Vehicle's hatches are closed.

Under a command of chief of MSD, BAT's crew comes forward to the obstacle (six craters). To change transport position of the executive element into active position (bulldozer).

To back fill craters using bulldozer equipment in the route area.

A command to continue moving comes from command post.

The column continues moving on prepared area.

Time penalty shall be added to the total time of the Contest team:

engineering task was accomplished with executive element in transport position – 30 seconds;

audio horn wasn't sounded when vehicle started moving forward (back) – 30 seconds;

equipment was moving in column and balked in prepared area – 120 seconds.

On fifth leg of the relay the following is to be set:

log barrier (to fulfill the mission using knuckled arm of IMR);

antitank ditch (width is 2m, depth is 2,5m);

tree barrier (to fulfill the mission using bulldozer equipment of IMR).

Locations of barriers are marked.

Driver mechanic occupies organic place and observes monitoring instruments readings. Contours of the site specified for the task fulfilling are marked with pointes (landmarks). Vehicle's hatches are closed.

Under a command of chief of MSD, BAT's crew comes forward to the site to clear up tree barrier.

It is necessary to move wooden pillars with use of backhoe equipment settling them on the right side of the road one by one into preprepared holes, and stacking them on the left side of the road one on top of another within external dimensions (distance between external dimensions limiters is 40cm). To put backhoe equipment in transport position and to fix it.

Time penalty shall be added to the total time of the Contest team:

movable wooden pillar is fallen down– 20 seconds;

unsettled wooden pillar in a hole – 3 minutes;

unsettled wooden pillar in limiters – 3 minutes;

bypassing (not overcoming) of the obstacle – 3 minutes.

Afterwards the crew moves to the site where antitank ditch crossing is to be arranged, puts executive element into bulldozer position and fulfills the task.

Once antitank ditch is overcome, under a command of chief of MSD, IMR crew clears passage in tree (burning) barrier with maximum speed. ERP on APC, BAT, TMM and IMR comes forward simultaneously following IMR.

Movement-support detachment comes forward from fourth leg to the "Finish" mark overcoming obstacles located on the march route.

When last vehicle passes "Finish" mark, clerk launches pistol-flare-light; it is a signal for the referee to stop the relay, it is also a specified signal for tank element to start moving.

Tank element moves from start line following the "Safe route".

Time penalty shall be added to the total time of the Contest team:

for touching limiters on obstacles – 30 seconds;

for beating obstacles down – 60 seconds.

Stage results are made basing on total time of passing of the legs taking into account time penalty.

Once the Contest is over, results summary and summarizing of the Contest shall be made.

33. The session of the judge commission of the Contest is considered to be competent if not less than a half of the members of judge commission of the Contest are present on it.

The session of the judge commission of the Contest is recorded in a protocol, is confirmed by the Chief Judge of the Contest and then is announced to the Contest teams.

34. Order of the Contest execution may be changed by the Chief Judge of the Contest.

VII. Procedure for the Contest winners and awardees determination

35. Contest winners and awardees shall be determined by decision of the judging commission of the Contest based on the best time demonstrated by the Contest teams during the relay of the Contest, rating table and protocol on the Contest results shall be drawn up.

36. Time for relay performance is determined with total time of the performance of Contest relay legs by teams of the Contest taking into account added time penalty.

The teams occupying first, second and third places according to the results of the relay are determined in the team competition.

37. Winners for first, second and third stages (nominations) shall also be determined.

38. The Contest winners and awardees awarding with cups and medals is realized in solemn circumstances during the ceremony of the Contest participants awarding once the Contest stages are over, it is realized according to the final protocol of the Contest that is approved by the Judge of the Contest.

VIII. Procedure for filing protests

39. A protest regarding the Contest competitions results that are fixed in the end of the Contest stages as well as actions of the judging commission of the Contest is submitted by the Contest team leader in writing in the name of the judging commission of the Contest on the day of the competition before the relevant results of the Contest are approved.

Photo and video materials that fix controversial actions (decisions) and demand examination of the judging commission of the Contest are attached to the protest. There are mentioned the content of the controversial question, date and time of controversial actions fixing.

40. Decisions on protests are made by an open vote of the judge commission of the Contest with a simple majority of the members of judge commission of the

Contest present at the meeting.

41. The session of the judge commission of the Contest is considered to be competent if not less than a half of the members of judge commission of the Contest are present on it.

The session of the judge commission of the Contest is recorded in a protocol, is confirmed by the Chief Judge of the Contest and then is announced to the Contest teams.