

REGULATION
on conduct of the competition “consistent reception”
in the course of “Army international games 2019”
in the Republic of Kazakhstan

Astana 2018

General provisions

International competition “consistent reception” (furthermore – competition) on the best field training of signalmen is conducted in the framework of “Army international games 2019” in accordance with Regulation on conduct of the competition (furthermore - regulation).

Regulation includes:

1. Aim of the competition.
2. Organization of the competition.
3. Conduct order of the competition.
4. Places determination order at the stages, final places and winners of the competition.
5. Protest registration order.
6. Order of decoration of the winners and awardee of the competition.
7. Examples of the targets (annex № 1).
8. Tactic-technical characteristics of the armament (annex № 2).
9. Tactic-technical characteristics of the signals equipment (annex № 3).
10. Militarized relay scheme (annex № 4).
11. Elements of obstacles (annex № 5).
12. Order of splicing of a field cable (annex № 6).
13. Table of correctness of writing of letters and figures (annex № 7).
14. Technical specifications of receivers and transmitters (annex № 8).

Organizers, judiciary board and competition participants shall know and obey the requirements of present regulation.

1. Aim of the competition

Strengthening of the international military cooperation between countries.

Determination of the best signalman.

Rise of the training level of signalmen.

Generalization of the advanced experience, signalmen training methods and implementation of them by training of the signals specialists.

Generation of proposals on improvement of weapons and military equipment of signals.

Exchange of the combat experience.

Promotion of the military service.

2. Organization of the competition.

Competition is conducted on the territory of the Republic of Kazakhstan in settlement Gvardeyskiy on the base of the training Centre.

General command of the preparation and conduction of the competition is vested in the Head of the Main Department of Signals of the Armed Force of the Republic of Kazakhstan.

Every country shall provide one team for the competition, which will consist of:

a) Composition of the team – 5 people:

Chief of the team (judge) – 1 person;

Deputy Chief of team (coach) – 1 person;

Team – 3 people (men below 30 years).

Armament and signals equipment provided by the organizers of the competition at the rate of 1 (one) team:

AK-74 rifle 5,45mm	3 sets;
Field cable P-274M on the barrel TK-2	1 set;
Field telephone	2 sets;
Portable VHF radio PRC-930 5 W	2 sets;
Portable HF radio PRC-6020 20 W	2 sets;
Receiver direction finder	3 sets;
Morse alphabet transmitter	10 sets.

The countries participant's teams arrive three days prior the beginning of the competition. These three days include following actions:

Deployment of team members;

Team's composition refinement;

Draw;

Safety precautions briefing;

Study of the militarized lane and familiarization with the conduct conditions of the competition;

Reception of the small arms by the draw, signal means and other materiel.

Check of its completeness and good condition with drawing of the acts;

Alignment and ranging of the small arms;

Team medical checkup.

Working languages of the competition are Russian and English languages.

The competition organizers are entrusted:

1. Preparation of the competition working places, organization of the logistics and technical support.
2. Organization of the arrival, departure, deployment, nutrition and also medical support and transport means.
3. Provision of the small arms, ammunition, signal means and other materiel.
4. Conduct of the competition.
5. Organization of the cultural events and information supply.
6. Providing requirements of security measures during the competition.

Armament, ammunition, military and special equipment requirement:

For participation in the competition teams shall be on the weaponry samples of the host state, which technical specifications meet the technical requirements of the competition. The main technical requirements of the competition are:

- a) For AK-74 rifle 5,45 caliber;
- b) Kevlar (metal) helmet;
- c) For the light field cable P-274M, the delivery length is 500 m, on the barrel type TK-2;
- d) For portable VHF radio, the frequency range from 30 to 108 MHz, modulation type – frequency modulation (FM), the transceiver and battery weight shall not exceed 3,5 kg;

- e) For portable HF radio, the frequency range from 1,5 to 30 MHz, modulation type – single-sideband modulation (SSB), frequency shift key (FSK), the transceiver and battery weight shall not exceed 4 kg;
- f) For rapid reception: automatic Morse code sensor (AMCS) – 85 (AMCS program with PC);
- g) For telegraphic transmission: vertical telegraph key and class radio remote control CRRC-32M (CRRC-24);
- h) Special connector for acoustic telegraph work in FSK mode for HF radio PRC-6020;
- i) Receiver direction finder – working frequency range 3,51...3,6 MHz, sensitivity ≤ 1 mV/m, power source – lithium ion battery 12 V, dimensions of the antenna 160x50x20mm, weight 180 g;
- j) Morse alphabet transmitter - working frequency range 3,51...3,6 MHz, A1A modulation, cycle 2,3,4,5,0 min, Morse code MOE, MOI, MOS, MOH, MO5, MO., power output 2,5...3 W, power source – lithium ion battery 12 V – 3.2 AHr, dimensions of the antenna 150x65x75mm, weight 700 g.

Composition of the judicial board

Chief Judge;

Deputy main judge on practical actions;

Judges (one representative of each country participant);

Arbiters;

Technical personnel;

Secretary.

The Chief Judge shall be appointed by the order of the Minister of defence of the Republic of Kazakhstan.

The judicial board is entrusted to prepare and conduct the competition in accordance with regulation, to determine results and to sum up the competition.

The results of the draw are executed in protocol by the secretary of the judicial board, signed by judges from the country-participants and approved by the Chief Judge.

The Chief Judge has right to bring proposals on correction of the regulation to the judicial board.

In case of positive decision by majority of the judges of the countries-participants, the proposals are executed in protocol by the secretary of the judicial board, signed by the judges of the countries-participants, approved by the Chief Judge and forwarded to participants of the competition.

Obligations and rights of participants of the competition

Chief of the team is responsible for the military discipline, abidance of the rules and conditions of the present regulation by the team members, uniform standards, security measures, daily regimen, safety of the armament and other materiel and its technical conditions.

He should:

Know terms and conditions of the regulation and fulfill them strictly;
Provide required documents to the secretary of the competition in time;
Constantly be present at the place where the competition is conducted and has right to be absent only with the permission of the Chief Judge;
Inform team members about judicial decisions, changes of daily regimen and competition program;
Timely inform the judicial board (secretary) about team members who quit the competition due to medical or other reasons;
Know the results shown by the team, sum up the team performance daily, to give the tasks for the coming day;
Report to the Chief Judge about all malfunction of the armament and accidents in the team;
Conduct constant control over safety precautions by all team members;
Solve all the uprising questions and problems with the Chief Judge;
Organize maintenance and hand over of the armament, equipment and other materiel, checkup of completeness and good condition.
Chief of the team has right to address the judicial board in writing or verbally with statements and protests.
Chief of the team is not allowed:
To interfere in judges and arbiters work;
To take decisions independently on removal of team members from the competition without permission of judicial board;
To assist team members during competition in a way not foreseen in the regulation.
Team members are obliged:
To know terms and conditions of the regulation and follow them;
To arrive for the competition place at designated time, to have passport, military ID and medical statement about health conditions;
To be disciplined and honest in sport competition, not to allow actions, which will shame the high name of warrior – athlete. With personal behavior to promote and encourage the conduction of sports competition;
To display maximum effort and insistency in order to achieve victory;
To arrive timely to the competition places in standard uniform and personal number;
To inform immediately the judicial board straight or through the chief of the team about elimination from the competition;
To be at the member’s designated area and to follow the agenda and rules of the competition;
To fulfill the directions of judges and arbiters unquestionably, to follow strictly the safety precautions and rules of handling the weapon and ammunition;
To report to the chief of the team about all accidents, malfunctions happened to the armament or any other materiel
Members of the team have right:
To check the completeness and condition of the weaponry and rehears at designated place and time set by the Chief Judge;

To address arbiters only with the urgent questions concerning the conduction of the exercise, in all other cases they should address judicial board in writings or verbally through the Chief of the team.

He is not allowed to interfere into work of judicial board.

Examination of protests

The protest shall be handed in to the judicial board by the chief of the team only in written form. The protest should be reasonable and should be presented not later than one hour from the end of the competition stage or from the announcement of the results.

Judicial board shall examine the protest, hear evidences of arbiter, and study the conclusion of the technical team. They can also study photo and video recordings if needed and take a decision on this case by open vote. The decision is considered to be approved in case, majority of judges of countries participants voted for it (Chief Judge, his deputy, arbiters, technical workers and secretary of judicial board are not allowed to vote).

In case votes have separated equally, the final decision shall be taken by the Chief Judge of the competition. The decision shall be announced to the applicant in a short term and before the results of the competition are approved by the Chief Judge.

3. Conduct order of the competition

The competition consists of 5 (five) stages:

First stage – “Accurate rifleman”.

Second stage – “Consistent reception”.

Third stage – “Consistent transmission”.

Fourth stage – militarized relay “Signal at any cost”.

Fifth stage – “Radio-orienteeing”.

Exercises evaluation procedure

Every stage of competition is evaluated separately.

First stage – “Accurate rifleman” is evaluated by the maximum points earned by the team. Determination of the place at accomplishment of exercise in team's line-up and an individual competition is determined by the greatest amount of the beaten-out points, and at their equality on:

to bigger quantity "10", then - "9", "8", etc.;

to bigger quantity of the beaten-out points from a prone position from a hand;

to the smallest removal from the center of the worst hole in the last, penultimate, etc. targets.

If the benefit does not come to light, exercise is carried out repeatedly.

Second stage – “Consistent reception” shall be evaluated by the sum of the points earned during reception and transmission of the radio program with use of telegraphic key (flashlight) by all the team members, after deduction of penalty points.

In case of equal results by reception of the radio program, competition shall be conducted once again.

Third stage – “Consistent transmission” is evaluated by the maximum speed of transmission of the program with the account of minimum mistakes and breaks.

In case of equal results by transmission of the radio program, competition shall be conducted once again.

Fourth stage – militarized relay “Signal at any cost” is evaluated by the total time used by the team members to fulfill the task with account of the penalty time for the mistakes.

Fifth stage – “Radio-orienting” is evaluated by the total time used by the team members to fulfill the task with account of the penalty time for the mistakes.

Safety measures by conduct of the competition

During conduct of the competition is prohibited:

To allow teams to the stages without medical checkup and exchange of the team members from reserve;

By conduct of the practical shooting:

To fire defective weapon with defective ammunition;

For team members not conducting the exercise to be at the fire point;

To fire out of firing sector.

In case of appearance of people, animals or low-altitude flying machine in the firing sector;

In case of stoppage (breakage) of the weapon till elimination of the malfunction or exchange of the weapon with reserve;

In case of fire accident;

In case of radio outage;

In case of absence of communication at the firing range.

By reception and transmission of the radiogram:

The provided devices include circuitry decisions; fuse-elements and blocks should match standards and be in a working order. It's prohibited to use self-made fuse-elements, “bugs” etc. Elimination of malfunction is allowed only after disconnection from the power source.

Wiring shall not have bare spots. Connection spots of electricity charged wires shall be closely isolated.

At the place of work of the team member by conduct of radiogram transmission should be clearly seen sockets with labels “key” and “telephone”.

The socket for powering of the electronic key shall be set aside and labeled “net 220 V”.

Headgear and telegraph key of members shall have standard plugs and sockets. It's prohibited to connect them by end fixture splice.

For unreasonable refusal to receive the radiogram and illegal raise of objection the participant shall be removed from the second stage “Consistent reception”.

For unreasonable refusal to transmit the radiogram and illegal raise of objection the participant shall be removed from the third stage “Consistent transmission”.

By fulfillment of the stage “radio-orienteeing” to follow safety precautions by movement of the cross-country terrain.

All participants of the competition shall be familiarized with the borders of the areas for search of transmitters, ways to approach finish, other assembling areas and signals for tracing of lost athletes.

Judicial board shall necessary include medical personnel and every control point shall be equipped with medical kit.

Every technical arbiter bears full responsibility for safety measures at his stage.

In case of some individual participants or country participant’s team doesn’t follow safety rules, Chief Judge has right to dismiss athlete (team) from the competition.

In case of rude violation of safety rules, injury of staff, the team shall be dismissed from the competition.

If member of the team brakes the terms of regulation by conducting the exercise the technical arbiter should force him to do it correct.

In case weaponry or signal means are faulty it is accepted to exchange it with reserve. Technical team determines the reason of equipment to be faulty and reports to the Chief Judge. In case breakage was caused by the team members the stage shall not be accounted.

The exchange is conducted by the Chief Judge command.

Further execution of the exercise shall be resumed by the Chief Judge command with start of the countdown.

FIRST STAGE – “ACCURATE RIFLEMAN”

The stage includes execution of the practical firing exercise with AK – 74 by members of the team.

The team composition is 3 people.

Aim: chest figure with circles (target № 4).

Distance to the target: 100 m.

Number of rounds: 10pcs.

Firing time: unrestricted.

Firing position: lying position with hand.

Uniform: combat uniform, kevlar helmet, tactical vest.

Execution order:

Team members form up on the start line under command of chief of the team and he briefs them. Every rifleman receives at the ammo point 10 rounds of the same series and year, which they feed the magazines with.

The participants are located at the start line, magazines are in the tactical vest equipped with rounds, and weapons are on safe.

By command “**Shift, to the firing line MARCH**” participants reach the firing line and align themselves by the target’s numbers appointed by the draw.

After reaching the firing line participants prepare themselves for firing **“from the lying position with hand”** and report. For example: **“sergeant Petrov is ready to fire”**, by command of arbiter **“On your targets FIRE”** they fire their targets. After firing they put their weapons on safety and report **“sergeant Petrov finished firing”**;

After completion of firing by team members, judge gives command to disarm weapons and prepare for inspection. During the exercise all the actions are done by participants independently. To eliminate stoppages and malfunctions of weapon it is allowed with permission of the judge for participant to address armourer or other person.

Participants, who are late for the beginning of exercise, are not allowed for firing.

All the shots during exercise are accounted, no matter if they were with purpose or accidental. For firing outside of the firing range participant will be removed from the competition. For an extra shot the result of firing from the same position, where the extra shot was done shall be eliminated.

In case participant started firing before the target was raised, only the shots which reached the target will be accounted.

After firing the judge should announce to the participant number of shots he has performed and participant should sign the card.

For firing after command **“All-clear”** participants shall be removed from competition.

The participant whose target has more hits than he had rounds should redo the exercise. During the exercise the participant is restricted to use any lining or to make any structural changes.

In case of stop of firing due to reasons not dependent on participants they have right to redo the exercise one more time, from the same position they were stopped in. Stops during firing caused by participants are not accounted and extra time shall not be given.

Evaluation of firing results

The result of firing of each participant is calculated by the sum of hits he made on the exercise target. In case participant hit the external dimension, it shall be counted if hit touches the line.

Breach of counter line of dimension should be considered either breakthrough by the hole or presence of a clear trace from a bullet. The rupture of the line of a dimension the radial beams dispersing from a hole is not taken into account. The oval hole from the bullet which got to a target at the time of its opening is set off if length of a bullet opening does not exceed at shooting with submachine gun. The combined hole (hit of a bullet in a bullet) is defined and assured, without removing a target from a board, not less than two judges.

Presence and advantage of holes in targets is defined by not less than two judges. In the absence of a consensus at them the final decision is made by the Chief Judge. The solution of a judiciary board in assessment of advantage of holes is final and is not subject to protest.

Determination of the place at accomplishment of exercise in team's line-up and an individual competition is determined by the greatest amount of the beaten-out points, and at their equality on:

to bigger quantity "10", then - "9", "8", etc.;

to bigger quantity of the beaten-out points from a prone position from a hand;

to the smallest removal from the center of the worst hole in the last, penultimate, etc. targets.

If the benefit does not come to light, exercise is carried out repeatedly.

Determination of point numbers

The main criterion of determination of number of the gained points is determined by the amount of the beaten-out points in targets of the test series received by all participants of team at accomplishment of firing practice.

SECOND STAGE "CONSISTENT RECEPTION"

The team consists of 3 people.

Transfer of radiograms is performed by means of the computer, AMCS. A permissible deviation of speed 3 signs a minute. The tone of a signal has to be within **700-900 Hz**. Organizers of Competition provide to participants the headphones having identical resistance.

Texts not of semantic alphabetic radiograms consist only of 31 letters of Cyrillics, digital - of 10 Arab figures. Groups consist of five signs, the radiogram with a capacity of 30 groups.

Initial speed of reception begins with 20 groups a minute.

Radiograms go with increase in speed on 10 (ten) signs a minute.

For reception of control radiograms participants are given to about one attempt.

The second attempt is provided in case of break of the line or malfunction of the transferring equipment.

Indoors for reception the separate workplace is allocated for each participant. Members of one team should not be nearby or one after another. Any communication of participants of Competition with each other and trainers during exercise is forbidden. The entrance to the hall for reception and an exit from it is allowed only with the permission of the Chief Judge.

Before the competition in reception of radiograms the training text for check of jobs is transferred.

Participants of Competition receive radiograms with record of texts a hand. Use of tablets and notebooks is forbidden.

Exercise begins with reception of digital radiograms, further there is reception of alphabetic radiograms.

The records of texts issued by a judiciary board, the participant makes on in advance issued forms (a surname initials, the participating country, the name of team).

Military personnel at record of the received text uses only letters of Cyrillics and the Arab figures on 5 groups in line. The received text, shall be registered with

a pen or a simple pencil, not less than 10 cm long, average hardness, ground from two parties. Record is kept accurately, is legible, as by the usual writing. It is forbidden to use substitutes of signs when writing figures and letters.

During the stage in writing of letters participants of Competition have to be guided by annex No. 8.

Radiograms after reception of each speed under the leadership of the Chief Judge not later than 3 minutes should be gathered by judges for control check.

Accepting from the participant of the radiogram, the judge is obliged to be convinced of correctness of their registration, on one form two radiograms digital and alphabetic with indication of reception speed have to be written.

The radiogram is deemed received if it has not more than 5 (five) mistakes.

Types of mistakes at reception of radiograms:

reception (record) of other sign;

shift of signs by places (depending on the number of the rearranged signs);

missing sign;

sign shift (one shift is over 1-mistake)

reception (record) of the excess sign.

Examples:

12345 67890 25145... 12365 — one mistake — reception (record) of other sign;

02365 — two mistakes;

13245 — two mistakes (shift of signs by places);

23145 — three mistakes;

1345 — one mistake — the missing sign;

123345 — one mistake (record of the excess sign);

Assessment of results of reception.

To offset to the participant there is each received radiogram (alphabetic and digital). For the received radiogram the quantity of points corresponding to speed less quantity of mistakes is added. The points earned for reception of the alphabetic and digital radiogram in the amount define result at reception of radiograms.

The amount of results on each text (alphabetic and digital) each participant gives total number of the points earned by team for reception of radiograms.

For each mistake made in the received radiograms from the participant of team 10 penalty points are removed. Command places are determined by the greatest number of the points earned by team at reception.

When summing up reception speed aurally, quantity of the made mistakes earned by team for reception of radiograms is considered.

Table with points

Ser №	Reception speed	Number of points	Notes
1	20 groups per minute	240	
2	22 groups per minute	300	
3	24 groups per minute	360	

4	26 groups per minute	420	
5	28 groups per minute	480	
6	30 groups per minute	540	
7	32 groups per minute	600	
8	34 groups per minute	670	
9	36 groups per minute	730	
10	38 groups per minute	790	
11	40 groups per minute	850	

Points award system.

The main criterion of determination of number of the gained points - the total number of the points got at reception of radiograms by all participants of team less penal points.

THIRD STAGE “CONSISTENT TRANSMISSION”

The team consists of 3 people.

Competition consists of two exercises

Exercise No. 1. Radio exchange with the help of a vertical cable key.

Radio exchange - transfer and reception of radiograms is carried out with use of a cable key in the specialized equipped class.

Exercise begins at the command of the Chief Judge. Athletes establish cable connection among themselves then transfer of radiograms begins.

Application of electronic keys with the logic and memory devices providing semi-automatic or automatic transfer of the text or separate signs is forbidden.

Radiograms for transfer are chosen by judges by method of draw and are made out by the protocol.

The texts provided to participants on transfer are printed by letters of Cyrillics and the Arab figures of 30 groups through an interval on 5 groups in a line and through 1.5 - 2 intervals between lines.

The line consists of five groups. Each text on transfer is well readable. Control texts are on a table.

Participants of team meet them in arrival time for exercise accomplishment. It is forbidden to train on this text.

On a table at which participants carry out exercises on transfer, cable keys, sockets with clearly the distinguished inscriptions "Key", "Phones" are installed. Tables are fixed to a floor, for a vibration exception by transfer.

Participants by means of headphones have an opportunity to control the transfer. Sitting positions at the workplace is free.

The judgment by this stage is open. Judges and participants are in one room. The texts allowing to control an order of transfer of the radiogram by participants of teams are issued to members of the commission.

Radiograms are passed round: the first athlete reports the alphabetic radiogram received from the judge to the second athlete, the second athlete conducts reception. Reception is conducted with record by a hand.

Then the second athlete reports the radiogram received from the judge to the third athlete, the third - tells the radiogram to the first. After transfer of alphabetic radiograms athletes of team on the second circle perform a cycle of transfer and reception of digital radiograms.

The digital radiogram then the alphabetic radiogram is transferred in the beginning, the volume of control radiograms is 30 groups.

The countdown of time begins after transfer three signs of letter "ZH" (...-) and the sign of the section (=) (-...-) the chief judge starts a stop watch.

Upon end of transfer of the control text and after transfer of letter "K" (the end of transfer), (-.-) the chief judge stops a stop watch.

Thus six radiograms are passed round. The received radiograms are made out according to the established requirements and are given on check to judges of competitions.

Assessment of transfer of radiograms.

The radiogram is considered to be transferred if it includes not more than 3 (three) mistakes and not more than 5 (five) interruptions.

Classification of mistakes on transfer:

incorrectly transferred sign;

transfer of the sign not from the text provided for transfer;

the omission of the sign which is in the text;

For correction of the mistake made by transfer of the control radiogram, the participant of the competition has to make interruption a series of points of sign "E" (not less than six) and completely repeat that group in which the mistake was made. The error corrected by interruption is not considered for a mistake, a mistake is considered for incorrectly transferred or distorted sign.

Transfer is evaluated by 3-5 judges who control:

presence of mistakes and distortions;

number of interruptions.

For solutions of disagreements between judges during calculations of correctly and incorrectly transferred signs by participants of teams, transfer of digital and alphabetic radiograms of participants of teams will be fixed on video and the sound recording equipment, for repeated viewing and the solution of matters of argument.

The technical reasons granting to the participant the right to the second attempt:

break in conducting lines;

malfunction of the equipment controlling transfer;

malfunction of a key or headphones.

The second attempt is given to the participant according to the solution of a judiciary board on correction of malfunction or on the same day at once.

Assessment of results of transfer.

To offset to the participant there is each received radiogram (alphabetic and digital). For the received radiogram the quantity of points corresponding to speed less quantity of mistakes is added.

For each mistake made in the received radiograms from the participant of team 10 penalty points are removed.

The amount of results on each text (alphabetic and digital) each participant gives total number of the points received by team for reception of radiograms.

Example of calculation of speed of transfer:

Quantity of groups/time of transfer

30 groups / 3 minutes 20 sec. = 9.3 groups a minute that makes 9 groups per minute.

Note:

At value 0.5 less, the calculated speed is rounded to smaller value.

At value 0.6 more, the calculated speed is rounded to bigger value.

Table with points

Ser №	Transmission speed	Number of points	Notes
1	8 groups per minute	80	
2	9 groups per minute	120	
3	10 groups per minute	160	
4	11 groups per minute	200	
5	12 groups per minute	240	
6	13 groups per minute	280	
7	14 groups per minute	320	
8	16 groups per minute	360	
9	18 groups per minute	400	
10	20 groups per minute	440	
11	22 groups per minute	480	
12	24 groups per minute	520	
13	26 groups per minute	560	
14	28 groups per minute	600	
15	30 groups per minute	640	

System of charge of points

The main criterion of determination of quantity of the gained points by the total number of the points got by team during reception and transfer of radiograms by means of a cable key all participants of team less penal points.

Exercise No. 2. Light transfer of signs of the Morse alphabet with use of a flashlight.

The team consists of 3 people.

Distance between participants of team - the 150-200th.

Participants of competition serially on the open area at night time by means of a flashlight with use of the Morse alphabet transfer and receive radiograms.

Radiograms of 10 groups (50 signs) are printed only with letters of Cyrillics and the Arab figures.

Radiograms are on a table, the military personnel meet them on arrival for exercise accomplishment. It is forbidden to train on texts.

Radiograms for participants of competition are chosen by method, draws are made out by the protocol and packed in envelopes

For control of correctness of transfer and reception, control radiograms are issued to participants of competition by members of the commission.

The countdown of time begins by command of the Chief Judge "**Start the accomplishment of a task**".

After obtaining the command participants run to take the specified places and start transfer.

The first participant of team transfers the radiogram to the second participant of team. The second participant performs reception of the radiogram, by hand writing on the issued form.

After transfer of the radiogram and sign "K" by the first participant, the second participant starts transfer of the radiogram to the third participant.

Then the third participant of team starts transfer of the radiogram to the first participant.

Upon end of transfer of the radiogram and sign "K" by the third participant of competition, the full team arrives to the place of disposition, the senior of team reports "**Task is complete**", the chief judge stops a stop watch.

Judges gather envelopes with the transferred and received radiograms from participant of team and hand to the chief judge.

After that verification of radiograms, on availability of the made mistakes is made.

The initial standard for transfer of radiograms is not established.

Any speed of transfer is allowed to offset.

The technical reasons granting to the participant the right to the second attempt:

malfunction of the flashlight;

weak charge of the power supply.

The second attempt is given to the participant according to the solution of a judiciary board or at once after correction of malfunction or on the same day.

Assessment of results of transfer and reception.

When summing up it is considered: the smallest time of transfer by team; the smallest quantity of mistakes;

On the greatest number of points taking into account a deduction of penalty points.

For each mistake made by transfer and reception of the radiogram by participants to team about 5 penal points are charged.

System of charge of points

The main criterion of determination of number of the gained points - the total number of the points got during reception and transfer of radiograms by means of a flashlight by all participants of team less penal points.

Table with points

Ser №	Sum of time used for transmission	Number of points	Notes
1	3 min	500	
2	3 min 30 sec	490	
3	4 min	480	
4	4 min 30 sec	470	
5	5 min	460	
6	5 min 30 sec	450	
7	6 min	440	
8	6 min 30 sec	430	
9	7 min	420	
10	7 min 30 sec	410	
11	8 min	400	
12	8 min 30 sec	390	
13	9 min	380	
14	9 min 30 sec	370	
15	10 min	360	
16	10 min 30 sec	350	
17	11 min	340	
18	11 min 30 sec	330	
19	12 min	320	
20	12 min 30 sec	310	
21	13 min	300	
22	13 min 30 sec	290	
23	14 min	280	
24	14 min 30 sec	270	
25	15 min	260	

THE FOURTH STAGE - THE MILITARIZED RELAY

"COMMUNICATION - AT ANY COST"

Composition of the team - the 3 people.

Distance length: 600 m.

Arms (means of communication): AK-74 assault rifle, portable HF and VHF radio station, light field cable P-274M (500 m), field telephone set.

Uniform standard: combat without weapon, a metal (Kevlar) helmet, a tactical vest.

Exercise accomplishment conditions.

The militarized relay is carried out to any weather regardless of atmospheric conditions of weather (rain, wind).

Accomplishment of the militarized relay includes:

laying of the field cable P-274M, connection to the field telephone set, production of temporary joints with use of insulating material; deployment and folding of HF and VHF radio stations, control and entry into communication in the telephone and cable modes, transfer of digital and alphabetic radiograms; defeat of 5 targets (paper) from an AK-74 assault rifle.

Starting position.

Participants of teams are on start, the property of communication is distributed between participants:

field cable P-274M (500 m) and field telephone set;

AK-74 assault rifle.

For work with use of VHF and HF of radio stations special sites at which radio stations are placed are equipped.

for VHF of radio station at a line of the 1st stage according to the scheme;

for HF of radio station at a line of the 2nd stage according to the scheme.

Exercise accomplishment order.

The first participant of team is on the line of start:

On the arbitrator's signal (a wave a tag of red color) starts task performance of relay:

1) from the line of start in the specified place connects one end of a field telephone cable to the telephone set and lays a field telephone cable 500 m long, till the line of connection of the second telephone set:

2) runs 20 meters receives:

the sealed envelope with radio data (call signs of radio stations, numbers of operating frequencies);

radiograms for transfer in quantity - 3 pieces, for transfer to radio the telephone and cable modes and also on wire means of communication;

3) Overcoming obstacle No. 1 "**Ditch**" (annex No. 6);

Penalty points are charged:

for not overcoming an obstacle "**Ditch**" - 1 min.

4) runs a distance of 100 m, deploys VHF radio station at the special site, with use of the pintel-antenna, establishes a radio communication with the second participant in the mode a radio telephone and transfers the digital radiogram from 15 groups, having received the receipt on obtaining the radiogram, folds radio station.

5) runs a distance of 70 m, performs a cable joint on in advance prepared training place (according to annex No. 5) , without using the construction length of a cable;

Penalty points are charged:

For incorrectly made joint of a field cable of-10 min.

For not the correct deployment and setting of radio station of-5 min.
letters of Cyrillics and in the Arab figures.

Radiograms are on a table, the military personnel meets them on arrival for exercise accomplishment. It is forbidden to train on texts.

For not transferred radiogram - for not accomplishment of conditions removal of the participant from Relay.

6) runs a distance 40 m long, on the cross-country terrain;

7) overcomes obstacle No. 2 in a platoon way "**A wire entanglement on low stakes**" (annex No. 6);

Penalty points are charged:

for not overcoming an obstacle "**A wire entanglement on low stakes**" - 5 minutes.

8) runs a distance of 95 m, (annex No. 6) overcomes obstacle No. 3 "**A blockage from automobile wheels**", coming in the center of each wheel with no miss;

Penalty points are charged:

for the omission of a wheel when passing an obstacle "**A blockage from automobile wheels**" - 1 min.

9) runs a distance of 65 m, develops HF radio station at the special site, establishes a radio communication with the second participant in the mode a radio telephone, passes into the mode of acoustical AT and transmits the digital radiogram of 15 groups through a cable key, folds radio station.

Penalty points are charged:

for not correct deployment and setting of radio station of-5 min.

for not transferred radiogram - for not accomplishment of conditions removal of the participant from Relay.

10) runs 80 m, and at a line of connection of phone connects the second end of a field cable to the telephone set, establishes connection with the second participant of team who is on start and transfers the alphabetic radiogram of 15 groups and accepts the receipt on receiving.

Penalty points are charged:

For not transferred radiogram - removal of the participant from Relay.

11) runs 100 meters performs target shooting:

Exercise accomplishment conditions:

Purpose: 5 paper.

Range to the target: 100 m.

Quantity of rounds: 5 pieces.

Time for firing: not restricted.

Position for firing: promn from a hand.

AK-74 assault rifle: is at a firing line;

Uniform standard: combat.

Preparation for firing is performed independently, with obtainment of security measures, i.e. the resolving signal for open of fire has to be a necessary condition. The adjunction of magazine is performed at a fire line, the target shooting in random order, after firing magazine is unlocked, control shot is performed, weapon is put on the safety lock, the magazine is kept within an tactical vest. After accomplishment of conditions of firing the participant independently gets up and continues relay. Defeat the target will be fixed by judicial team.

In case of a miss upon end of firing the penalty loop 200 meters is appointed. One miss = one loop.

In case of a particular case at which it is forbidden to carry out firing, time for accomplishment of the exercise stops for team whose participant arrived to a fire line (the line designated on the site) and starts at the command of the judge after reception of permission, for the purpose of an exception of cases of violation of security measures, at the same time training weapon and means of communication in the period of a pause contains in marching position.

12) return of the participant of team is performed along the return route running an obstacle line, at the same time without fail performs folding of a field cable with use of the TK-2 coil.

The role of the receiving correspondent is assigned to the third participant of relay.

After relay pass to the third participant for reception of radiograms for the boundary there is the first participant.

Reception of radiograms is performed on start by the next participant, at the same time record is made on in advance prepared forms and after receiving is transferred to the judge for the further analysis.

When overcoming relay in the return sequence penal points are charged:

for the omission of a wheel when passing an obstacle "**A blockage from automobile wheels**" - 1 min.

for not overcoming an obstacle "**A wire entanglement on low stakes**" - 5 minutes.

for not overcoming an obstacle "**Ditch**" - 1 min.

In case of detection of malfunction of the coil TK - 2 when folding a field cable, extra time is not provided to the participant for elimination of malfunction.

Assessment of results of Relay.

When summing up the total time spent by team members for passing of Relay is considered.

For each made mistake, in the received radiograms to team it is charged 1 min., penalty time.

The criterion for determination of number of the gained points is determined by the general total time spent by participants of command for task performance taking into account penalty time for the made mistakes made during the course of performance the militarized relay.

THE FIFTH STAGE - RADIO-ORIENTEERING ON THE AREA (night)

Composition of the team - the 3 people (men up to 30 years).

Distance length: 9 sq.km.

Arms compass, local map, flashlight.

Receivers - 3 sets;

Radio transmitters - 6 sets;

Uniform standard: combat.

Radio orientation is carried out in the set direction.

The task of participants of team is passing to the shortest time with use of receivers - direction finders, the card and a compass, detection of 5 checkpoints (CP) located on the area (night) and to come to the finish for control time.

CP — the checkpoint is equipped with the radio transmitter, a prism and means of a mark.

To participants for complication of search of CP the interfering situation with use of the radio transmitters working at one general frequency with various call signs is created.

Draw order

Draw can be carried out manually or by the computer.

Athletes from the same team cannot start at the same time or one after another.

Athletes start through equal intervals of time - 10 minutes.

At a distance the start, starting and finishing corridors, checkpoints, the finish are equipped.

Radio transmitters have to work at each range in the following sequence:

The finishing radio beacon a MO code - continuous;

Radio transmitter No. 1 the MOE code - in the first minute;

Radio transmitter No. 2 a MOI code - in the second minute;

Radio transmitter No. 3 a MOS code - in the third minute;

Radio transmitter No. 4 a MON code - in the fourth minute;

Radio transmitter No. 5 M05 code - in the fifth minute.

The start and the finish can be located in one or in different areas. The start, a starting corridor, some CP and the finish of distances of various groups competing can be combined.

In start and finish area the places for athletes who expect start and who passed the distance, coaches and representatives of teams and also parking are allocated.

The place of start and the finish is designated by the line and limited by flags (boards, curbstones, etc.).

The starting corridor not less than 30 m long is marked by well noticeable tags or tapes.

Athletes are obliged to pass this corridor up to the end.

Before start the legend of area is announced to participants - borders of the area, a binding of CP, dangerous sites, ways of an exit for lost, order of the designation CP and mark in them, control time.

Cards with the marked circles with a radius of 7 mm, the area of CP are issued to participants.

The participant who did not accept start on command or late for the beginning of start is excluded from a stage.

On the card issued to participants have to be put:

Point of the beginning of start (it is designated by a triangle, one of tops of which is directed towards the area of the first CP), the area of CP (are designated by circles with a diameter of 7 mm), the finish (it is designated by two circles 5 and 7 of mm).

Numbers of CP are written near circles so that all small reference points near CP were clearly read.

Checkpoints on the area are designated by trihedral prisms of red-white color. Sizes of a side of a prism of 30 cm. On a white background number CP is written.

The prism is set, as a rule, on pegs at the height of 50-60 cm on the upper edge of a prism. In some cases it is allowed to attach them to trees.

The CP sign has to be established so that it was clearly visible to the participant at distance of 5 meters. Means of marking the passed CP are puncher and colored pencils should be of the same type for all CPs.

The mark represents a puncher which the athlete punches the starting ticket issued on start. A configuration of the openings left by punchers on each of CP differ from each other and allow to identify CP on which the mark is made.

The puncher is fixed directly over a white-orange prism.

Checkpoints are located within 150 meters from the circle with a diameter of 7 mm marked on the map.

The mark about passing of CP is made by the participant in the starting coupon.

Any help at a distance, except of medical, from strangers or members of team is forbidden.

It is forbidden for participants of sports competitions: before the end of sports competitions to leave to the region of arrangement of a distance;

to try to receive any data on the area or a distance of sports competitions, except provided by a sports judiciary board;

to cooperate with other athletes and also to pursue any of participants when passing a distance of a sports competition;

to draw attention to itself with any signals;

to change designation or the CP device, to break means of a mark on CP.

For the violations specified in this point, the judiciary board has the right to remove the athlete from participation in sports competitions in radio orientation. Crossing by the athlete of the line of the finish is considered the end of radio orientation.

The finish is established by the front to the most probable direction of the movement of athletes from the last CP on condition of a right choice it option of passing of a distance. The line of the finish is preceded by a finishing corridor 30-

50 meters long which has to be on the open area, not have steep slopes and descents, large and hardly noticeable obstacles.

In the beginning of a finishing corridor the radio beacon of the standard power of 3-5 W is installed.

At distance 1 meter from the radio beacon settles down a trihedral prism of red-white color with a size of 30 x 30 cm, means of a mark. The finishing corridor is noted from two sides - well noticeable cord with tags or tapes.

The athlete has to pass a finishing corridor completely, otherwise the result will not be counted for him.

Time of the finish is fixed to within a second and is noted in the sheet.

The participant who withdrew has to be in perhaps short time on the finish or the assembly point and declare it to sports judges.

Results

The result of the athlete depends first of all on the number of the found CP, and then on the shown running time.

In offset to the athlete only those CP which are test are set off.

The place of team depends first of all on total number of CP found by team, and then on the amount of times shown by members of team.

The criterion for determination of number of the gained points is the total time spent by the command for search of checkpoints and charge of penalty time.

Penalty points are charged:

- for receiving the help and the hint at a distance - removal of the participant from a stage;
- for use of any vehicles at a distance - removal of the participant from a stage;
- for loss of the local map or control coupon - 30 minutes of penal time;
- for not passing at least one CP (lack of a mark in the card or the coupon) - 30 minutes of penal time;
- for violations of sequence of passing of CP - 30 minutes of penal time;
- for the wrong mark, i.e. a mark otherwise, than it was announced - 30 minutes of penal time;
- for damage of military property removal of the participant from relay;
- for deliberate breakage of the receiver - removal of the participant from relay;
- for use of the GPS receivers installed in hours phones etc. removal of the participant from relay.

1. An order of determination of places at stages, final places and winners in Competition

The team - the winner in the overall ranking of international contest of professional skill "Consistent reception" is defined according to the Regulation on competitions by the following methods:

The place is determined by the smallest amount of the places taken by teams.

In case of equality of the amount of places preference is given to the team having more than the first, then second places, etc.

2. Order of giving of a protest

All participants of sports competitions have to observe sports ethics, be respectful to each other and mutual understanding, to be fair.

It is absolutely forbidden to accept (to render) any help, except medical from any representative, including athletes, or to use at a distance any vehicles, with an exception:

the help rendered by sports judges equally to all to athletes, according to their duties;

duties of all athletes, assistance to victims in case of an injury.

The athlete violating any paragraph of this Regulation of competition is disqualified.

The protest concerning the results recorded upon end of stages of competition and also actions of judges and the judicial commissions of competition shall be forwarded by the representative of the team of the country-participant in written form to the judicial board of the competition the same day of the stage conduct before the results are approved.

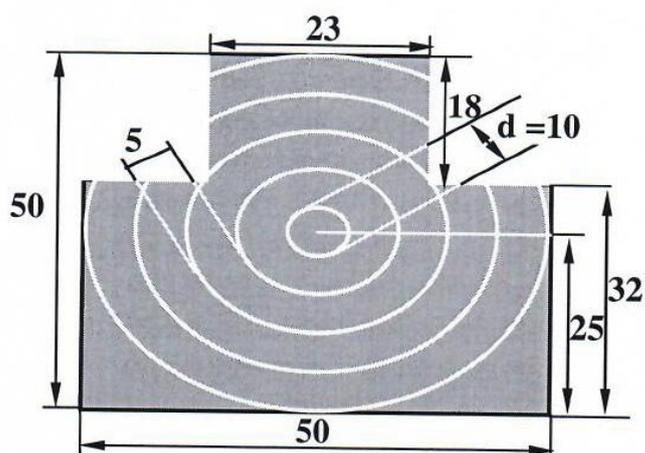
The photo and video recordings of the dispute moment with detailed explanation of the problem are attached to the address.

Decisions according to the addresses containing a protest are accepted by an open voting the judicial commission of competition, are made out by the protocol which is carried to representatives of teams - participants of Games.

Each representative from among teams of the country-participant has the right after determination of results to give "special opinion".

4 Decoration order of winners and awardees of the competition.

The decoration of the winners and awardees with medals is conducted in a festive atmosphere, during the ceremony of declaration of competition participants, after approval of the final protocols of stages of the competition by the Chief Judge.



chest target with circles (target № 4)

AK – 74 assault rifle



Caliber	5.45
Initial speed of a bullet	960
Range, m:	
-Destructive	1350
-Maximal	3150
Combat fire rate,	
Rounds per min:	
-single shot	50
-bursts	150
Magazine capacity, rounds:	30
Weight, kg:	
-without bayonet	
with not equipped magazine	3.1
-with equipped magazine	3.69
Length of the rifle, mm:	
-with the fixed bayonet	1020
-without bayonet	880



Backpack VHF radio station (PRC-930) is intended for providing a voice communication and data transmission in the conditions of infighting in a control link "company-battalion".

The functionality of radio station includes the modes of enciphering and a anti-jam facility and also algorithms of identification (correction) of mistakes.

Frequency range is from 30 to 108 MHz.

Power of the transmitter is 5 W.

Range of communication is up to 5000 meters.



Backpack HF radio station (PRC - 6020) is intended for the organization of communication in a tactical control link. Frequency range is from 1.5 to 30 MHz

Power of the transmitter is 20 W.

Communication range - up to 50 km (when using the pin antenna), up to 300 km (when using the dipolar antenna).

The radio station ensures functioning in the conditions of active hindrances (PGGRCh), has the built-in ciphering device (enciphering of a voice and data).



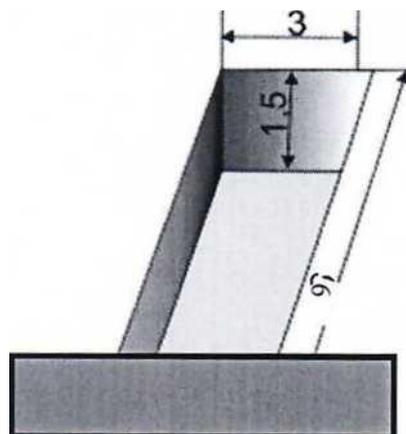
The telephone set of the MB-TSB system is intended for ensuring telephone communication in field conditions.



Flash light the electric Diameter of focus - 8 cm. Length - 7 cm.
Width - 7 cm. Push-button mechanism

Obstacle № 1 “Ditch”

Width - 9 m
 Length - 3 m
 Depth - 1.5 m



Obstacle № 2 “Timber”

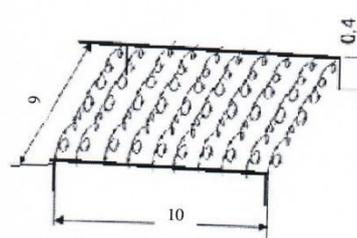
Width - 0.2 m
 Thickness - 0.2 m
 Length - 4 m



Obstacle № 3

“Wire entanglement on low stakes”

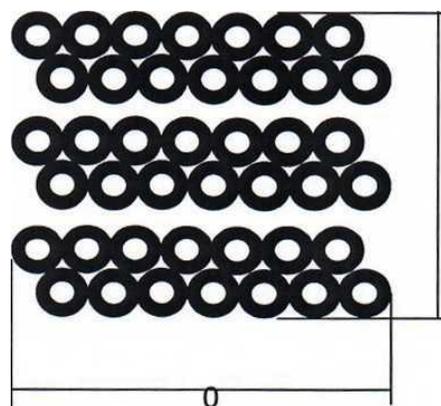
Width - 9 m Length - 10 m
 Height of stakes - 0.4 m



Obstacle № 4

“Blockage from automobile wheels”

Width - 9 Length - 10



Order of merging of a field cable of communication

During the militarized relay to carry out merging of the P-274M cable with observance of the following instructions:

1) on each of the spliced ends of a cable to remove by means of a knife an insulating and kapron cover on the site of 10-12 mm;

2) to cut off edges of an insulating cover of each wire on a cone on length of 8-10 mm;

3) to select copper a wire in each vein and to unbend them on the sides;

4) steel a wire connected to knot to straight lines;

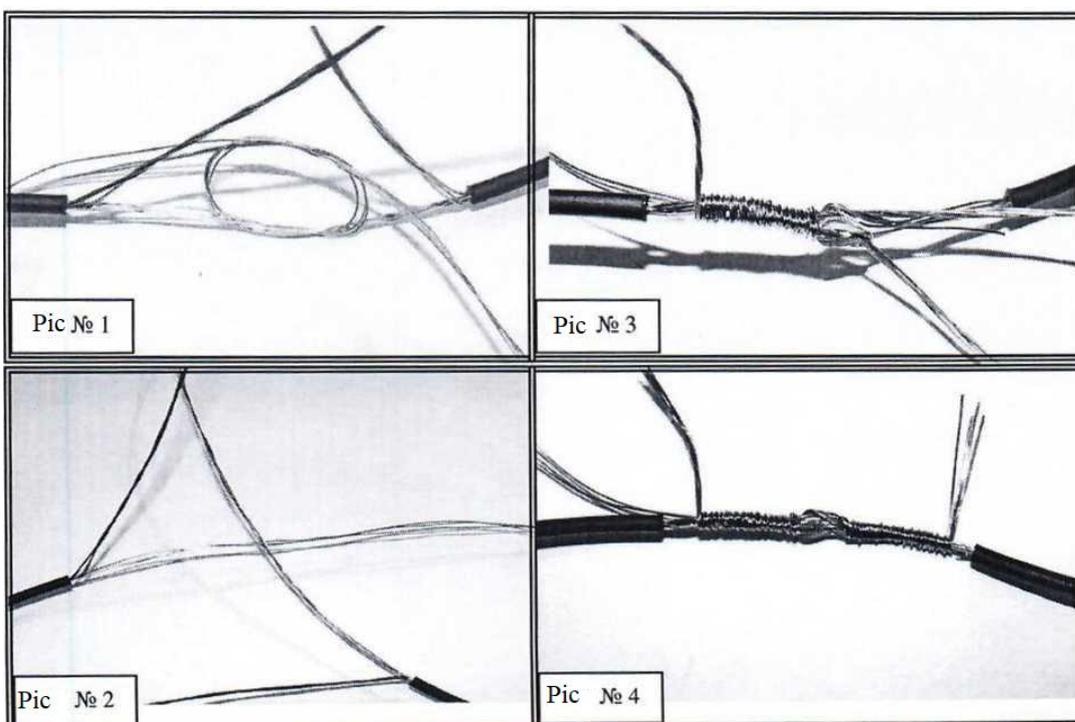
5) to bite off the steel ends of wire which remained after tightening of direct knot;

6) copper wires unbent to the left to overlay on direct knot one round clockwise, then copper wires to wind with the remained ends the cutt-off ends steel at all length with transition to a conducting vein;

7) in the same way to make merging of the second wire with a condition of preserving of approximately identical tension of both wires of a cable and a factory step of twist;

8) to isolate joints overlaying of four layers of an adhesive polyethylene tape. An adhesive tape to begin on the left side and to make a joint winding so that each round took previous on a half of width of a tape;

9) with a tape the insulating cover of a cable on 10-has to be covered 15 mm from each party.



a, d, f, o, t, g, e, h, z,

u, ũ, k, ʌ, u, h, o, n,

p, c, t, y, φ, x, u, z,

u, u, y, a, b, e, h, o, a,

l, z, 3, 4, 5, 6, 7, 8, 9, o



Receivers direction finders are intended for search of "foxes" during the trainings and sports radio direction finding competitions.

Main technical characteristics of the receiver Range of operating frequencies: 3.5... 3.6 MHz Sensitivity: <1 mV/m Power supply: Lithium ionic battery — 12V.

Dimensions without antennas: 160 x 50 x 20 mm. Weight: 180 g.



Transmitters are intended for the cyclic broadcasting of a signal, the code of the Morse alphabet during the trainings and sports radio direction finding competitions.

Main technical characteristics of the transmitter.

Range of operating frequencies: 3.51 MHz, 3.6 MHz

Modulation of A1A

Recurrence: 2,3,4,5,0 minutes

Morse code of MOE, MOI, MOS, MOH, M05, MO

Output power: 2.5 - 3 W.

Power supply: The rechargeable battery of 12 V - 3.2 and / h

Dimensions without antennas: 150x65x70 mm. Weight: 700 g.