

PERIODICAL TECHNICAL SERVICING OF TILLE ENGINEERING IN THE BULGARIAN ARMY

OKRESOWE OBSŁUGIWANIE TECHNICZNE SPRZĘTU WOJSKOWEGO W BUŁGARSKIEJ ARMII

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Abstract: Article presents characteristics periodical maintenance tiller technique, planning process, its preparation and execution, well its reporting. paper presents how account activity technology these cards and forms they individual types, brands and models technique. Plan, perform, and document repair grille during maintenance. Quality periodically maintenance and repair logistic equipment are important for overall performance tasks logistics support army.

Streszczenie: Artykuł przedstawia charakterystykę procesów okresowego obsługiwanie technicznego sprzętu wojskowego, procesów planowania, ich przygotowania i realizacji, jak również raportowania. Przedstawia różne formy realizacji poszczególnych procesów i typy sprzętu. Jakość obsługiwanie okresowego i napraw sprzętu logistycznego jest ważna dla całorocznych zadań wsparcia logistycznego armii.

Keywords: Logistic equipment, technical maintenance, technical repair.

Słowa kluczowe: wyposażenie logistyczne, obsługiwanie techniczne, naprawy.

Introduction

Technical servicing vehicles and gilder equipment by Armed Forces Republic Bulgaria includes complex obligatory and timely events order to preserve and restore state art accordance with requirements manuals and instructions for servicing specific

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machine brands and carrying out general events such loading with fuels and oils and special liquids, washing and cleaning, lubrication, control-setting, fastening and other operations. maintenance is designed to ensure consistent technical condition, traffic safety, fault-free operation machines, aggregates and assemblies, achieving maximum over-service mileage, minimizing cost fuels and oils and other operating materials (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 49, para. 1).

Characteristics periodical technical servicing (PTS)

Periodic maintenance (PTS) is performed during preparation technique for use during spring – summer and autumn – winter period, according to “Methodology organization and conducting PTS” and those activities that are required for each brand machine are made preparation for use during relevant period, according to specific conditions and forthcoming tasks. PTS events are planned and executed twice year, with duration up to 20 consecutive whole business days, depending tasks performed by respective formation, with PTS plan to be completed by end April until end October. technique formations, which have small number and have no specialists for carrying out technical servicing and repair, instructed by senior logistics body, can be serviced and repaired other formations, and when this is impossible – servicing and repairing equipment is done specialized workshops under conditions and by order Public Procurement Act and secondary legislation its implementation (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 54, para. 1 and para 2).

Commanders relevant structures organize timely and quality technical maintenance equipment. They are obliged to ensure that technical services are carried out within established time limits, regardless situation, providing necessary material resources and time for personnel, both during use technique and during its storage. technical servicing equipment by Armed Forces Republic Bulgaria is carried out basis Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011 r. (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 55).

Order for planning, preparation, conducting and reporting periodic technical servicing (PTS) equipment

On basis order commander formation for PTS, plan for holding PTS during spring – summer conditions is prepared. After plan is drawn up, list is drawn up people who will participate PTS. Safety measures are being drafted and same persons are identified. There is linear schedule for servicing road vehicles routes. breakdown technique is made, which is divided among individual companies. manager draws up

plan for conducting classes Technical Training with staff roles. Plan seen to include maintenance chassis; electrical equipment; transmission; engine and systems. request is made with required fuels and oils. Periodic maintenance is carried out by crews, drivers technology, personnel repair units under direct management complex omandirite staffs, Vice – commanders logistics, heads departments and services. Verification readiness technique for use autumn-winter (spring-summer) conditions formation is organized by their commanders and their deputies. commander respective formation gives order for organization PTS. Upon completion periodic service, commission commissioned shall carry out check readiness operating technique and shall draw up report which shall be approved by commander. Organization periodic maintenance includes:

- studying guidance documents;
- planning organization and implementation periodic maintenance and its overall provision;
- conducting practical and demonstrative classes with personnel involved periodic maintenance;
- carrying out periodical maintenance;
- control quality work done;
- checking readiness equipment to work under appropriate conditions.

Staff involved periodic maintenance shall not be assigned to any other activities and tasks not related to its performance (Methodology for organizing and conducting periodical maintenance).

In sense rules for technical servicing equipment from aircraft Republic Bulgaria “Technically Serviced Equipment” means:

- be clean and have good appearance, greased and charged rate with addition fuel – lubricants and other service liquids;
- engine must be lowered safely and safely at various speeds crankshaft;
- with clutch disengaged completely, providing smoothness and silence when gearshifts are switched and not rewinding with fully-folded pedal;
- with pavilion system providing simultaneous, smooth hold and stopping machine prescribed braking distance for respective brand;
- when driving machine, do not hear uncharacteristic noise main assemblies and units. Self-exclusion gearboxes and gearboxes is not allowed;
- essary with tons and inclination front wheels to match standards set;
- cleansed be order, and air pressure them to conform to standards;
- and cumulative battery is charged, density and electrolyte level to match norms;
- lighting and signaling systems, control devices and wipers are order;
- there is no leakage fuel, oil, coolant and brake fluid;
- with equipment machine to be upright and compliant with technical regulations;
- to be equipped with necessary additional equipment and instrument according to complete payroll (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 92).

Planning, performance and documentation repair equipment during PTS

Periodic maintenance technical maps shall be completed before, during and after service. They shall include upcoming activity technique, main operations to be carried out and necessary technical requirements. Operator, well commander who has exercised control over activity, shall be entered card. If there are any comments, same is noted technology map. (Methodology for organizing and conducting periodical maintenance) repairs equipment from aircraft Republic Bulgaria represent complex events, carried out certain sequence order to bring them into technical condition. To these events repair and repair work performed directly machinery and auxiliaries, such acceptance for repair, defect, testing and after repair. Repairs are carried out specially designed areas, and case field trials and on-the-road, it can be done at site accident (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 60, para 1).

Necessity repairing equipment is determined depending its technical condition with act for change technical condition.

Depending volume operations performed, repair is divided into:

- current repair (first degree) – concludes to remove small defects arising during operation, replacement individual defective parts, appliances / pads, crane / tightening, adjusting, cleaning mud, scale, small chipping and others;
- with ordinal repair (second degree) –concludes replacing or repairing one or two main units, units or details, and check others. average repairs are carried out workshops for repairs technical equipment all grades;
- basic repair (third degree) – concludes full dismantling, repair and replacement worn or damaged components, assemblies or parts, assembly and testing equipment under technical conditions. In middle and major overhaul equipment and its technical assets, works, which are planned for ongoing repair, are also carried out (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 62).

In order to be able to determine which cases machine needs repair, due to natural wear and when premature wear is present, certain work or intervals are introduced. For main types vehicle, intervals are follows:

After performing periodic maintenance, Commission shall review technical and technical equipment, determine its category and prepare act amending technical condition and material resources used for maintenance equipment follows:

Category I – new and technically correct, used within warranty period established by manufacturer;

Category II – technically warranted by manufacturer or repaired;

Category III – defects need ongoing repairs;

IV category – faulty, needing repair grade third.

V category – scrapping (unfit for their intended use, expired complete technical resources or recovery which is economically inexpedient). (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 6, para 1).

Table 1. Equipment resources

Technical description	Until ongoing repairs	Up to medium repair	Up to capital repair
Innovative cuisine	1000 km	30000 km	60000 km
Furnace	400 km	10000 km	30000 km
Desserts department		1000 mph	2000 mph
Drum washing machine	1200 h	12,000 h	36000 h
Centrifuge for lingerie	1200 h	12,000 h	36000 h
Lingerie dryer	2400 h	12,000 h	36000 h

Source: "Technique Food Service", author Veselin Marinov, p. 9, p. 56, p. 62

Current tons till repair is carried out with forces and resources military unit for this purpose using technical capabilities unified technical workshop. Upon entering workshop, it is recorded by Chief Staff book that briefly describes deficiencies, brief description repairs, repaired materials, and who has done repair. (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 62, para 1).

Reporting forms and service books machines

Repair tying technique military part is taken into account annual plan for operation technique. Specifically for each machine, repair is recorded service book and recorded report. In case replacement machine form, transfer basic data from old one and filling new form shall be carried out by commission appointed by order commander /chief /head formation which accounting technique is kept. Old forms are kept until subsequent financial audit is performed (Order Minister Defense Republic Bulgaria No. OX-881 / 23.11.2011r., Article 7).

Form seen to be filled following circumstances:

- with tire, accumulator, oil and more. parts vehicle;
- when entering meters Ashina formation division order;
- switching driver machine;
- offender shall be credited with order by commander formation;
- at end month mileage machine is completed, and then total kilometers are counted;
- PTS notes form;
- form shall be taken notes checks carried out. (Methodology for organizing and conducting park days).

Conclusion

Modern and quality periodic maintenance and repair logistic equipment is so important we meanings for overall performance tasks logistics support troops.

To fulfill this task logistics officers Army are obliged:

- to carry out systematic monitoring state and timely maintenance girder;
- provide planned maintenance and repair machinery and equipment;
- keep proper and systematic official newspaper get booklet and forms machinery;
- to take measures to immediately remedy detected malfunctions, well to make use spare parts.

Timely servicing, regular reviews, and organization proper operation and storage equipment lead to extension its use, ensuring trouble-free operation and saving valuable financial resources.

REFERENCES

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