

**Annual contract for maintenance of the
Concern Avrora Scientific & Production
Association JSC range of products**

Annual maintenance contract

Annual maintenance contract (AMC) includes the following:

Provision of continuous operability

Repairs of faulty modules

Conduction of current repairs

Consultations

Provision of continuous operability of systems during the period of AMC

- ✓planned and preventive maintenance; fulfillment of routine maintenance
- ✓periodical adjustment of parameters (i.e. test of software and check of interfacing)
- ✓functional checks of interfacing with adjacent systems (when it is required, restoration of system's operability)
- ✓analysis of system condition after mission
- ✓servicing of systems at a port, which is not an order port of a submarine
- ✓inspection before repairs
- ✓development of preliminary repair specification with arrangement of supplementary agreement for fulfillment of repairs and replenishment of SPTA
- ✓elimination of defects (in the course of 3 days)
- ✓analysis of defect cause

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Repairs of faulty modules

- ✓checking of operability of repaired units in onboard systems
- ✓replenishment of used SPTA (onboard, base & depot, long-term exploitation) in the course of 1 month
- ✓all the modules of new/ modernized equipment are included into the scope of a contract
- ✓when it is required to send a module to Russia for repairs, the freight, insurance and repair charges are to be paid by the Russian side

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Conduction of current repairs

- ✓ fulfillment by a supplier of all the scheduled works on new/ modernized equipment
- ✓ provision by a supplier (within the scope of a contract) of complete set of test equipment for fulfillment of planned maintenance
- ✓ provision by a supplier (within the scope of a contract) of SPTA and consumables for fulfillment of planned maintenance

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Consultations

Consultations

- ✓ conduction by a supplier of consultations on system operation and maintenance
- ✓ consultations are conducted on the following:
 - preliminary maintenance ,
 - identification and elimination of failures,
 - use of built-in checking and measuring instrumentation and external checking equipment,
 - finding of faults in electric circuit,
 - loading of backup software,
 - adjustment of systems,
 - replacement of modules,
 - setup of parameters,
 - testing/ setup,
 - measurement of system parameters for checks and sea trials.

Additional sections of AMC

On customer's request the following sections can be included in the draft standard annual contract for maintenance of the Concern Avrora Scientific and Production Association JSC range of products :

1.

supply of automatic test equipment (workstations), which allows to identify failure in a module

2.

development and supply of repair and technical documentation

3.

supply of SPTA

4.

monitoring of components

5.

information support of a customer (interactive preparation of a request)