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## Rubin-EG

### Mission

Rubin-EG automated communications system is designed to provide reliable communications with shore-based command and control posts, other surface ships, submarines and aircraft.

### Features:

- integration of all ship communication facilities into a single system;
- operation in different radio bands, satellite channels including for long-range (up to global) communications providing;
- usage of state-of-the-art communication/data transfer protocols enabling high throughput, validity and secure data exchange;
- availability of data channels for automated ship/weapons management systems support;
- communication channels and modes automated control;
- automated testing of the system;
- dual redundancy of main switching and control units;
- adoption of the ISDN international digital networks standard enabling integration of additional Russian/foreign-made technical facilities, developed on the basis of this standard, to meet customer requirements;
- possibilities of installing the system on ships during their construction, repairs or upgrading.

### Composition:

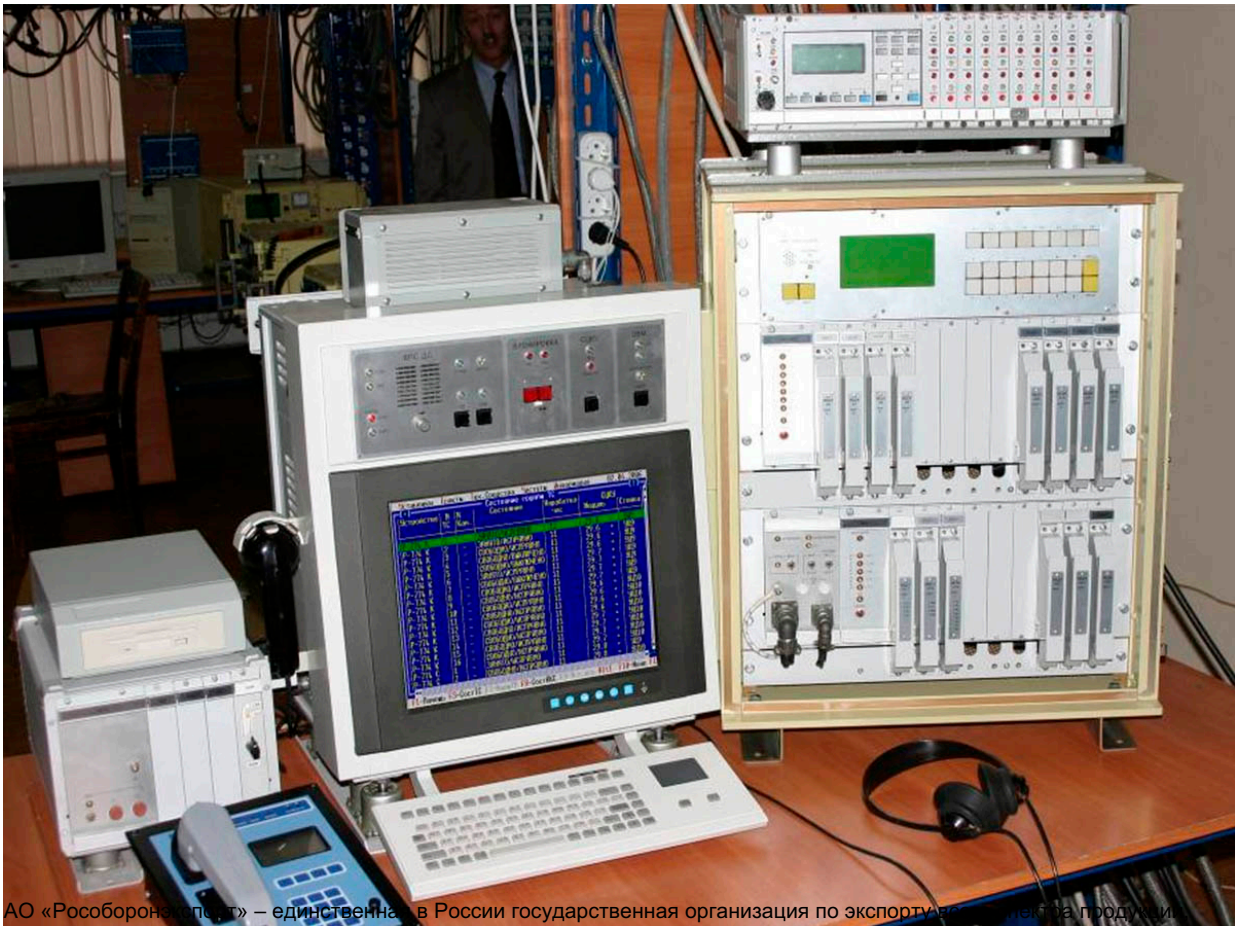
- channel-forming subsystem (antennas, switching and distribution system, transmitters, receivers, radio sets);
- terminal equipment subsystem (various-purpose data transfer units, including those for automated management systems);
- subscriber equipment subsystem (communication control panels, ship communication terminals, digital audio-recorders);
- information-and-control subsystem (communications control, testing and integration facilities, switching equipment, automated workstations).

### Main characteristics:

- Wavebands: Extremely long waves
- receive: 8-100 kHz
- Wavebands: Medium waves
- receive: 100-1,999.9 kHz
- transmit: 100-1,499.9 kHz
- Wavebands: Short waves



- receive: 1,500-59,999.9 kHz
- transmit: 1,500-29,999.9 kHz
- Wavebands: Metre/decimetre-length waves
- receive: 100-149.975 MHz
- transmit: 220-399.975 MHz



АО «Рособоронэкспорт» – единственная в России государственная организация по экспорту вооружения, продукции, услуг и технологий военного и двойного назначения. Входит в Госкорпорацию Ростех. «Рособоронэкспорт» образован 4 ноября 2000 года и является одним из лидеров мирового рынка вооружений. На долю компании приходится более 85% экспорта российских вооружения и военной техники. «Рособоронэкспорт» взаимодействует с более чем 700 предприятиями и организациями оборонно-промышленного комплекса России. География военно-технического сотрудничества России – более 70 стран.

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