

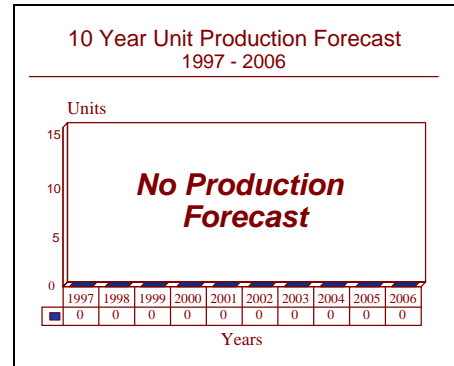
ARCHIVED REPORT

For data and forecasts on current programs please visit
www.forecastinternational.com or call +1 203.426.0800

BQR-19 - Archived 7/97

Outlook

- Production completed in 1980s
- No additional systems are anticipated
- Spares support only



Orientation

Description. Submarine mast-mounted passive search and detection sonar used to discover surface ships before the submarine surfaces.

Sponsor

US Navy
Naval Sea Systems Command
Arlington, Virginia (VA)
USA
(Program Manager)

Contractor

Raytheon Co
Submarine Signal Division
1847 W Main Street
Portsmouth, Rhode Island (RI) 02871
USA
Tel: +1 401 847 8000
Fax: +1 401 842 5200
(Prime Contractor Development and Production)

Status. In operational service.

Total Produced. Raytheon produced approximately 45 BQR-19 systems for the US Navy.

Platform. US Navy SSBN-726 Ohio class ballistic missile submarines.

Application. The detection of surface vessels within proximity of surfacing submarines.

Price Range. This information is not available because the system is no longer in production.

Technical Data

Originally designated "Top Hat," the BQR-19 was developed during the mid-to-late 1960s, and became operational in 1970. It was designed as a collision avoidance sonar to listen for and detect any surface ships in the proximity of a surfacing ballistic missile submarine. The BQR-19 is one of four sonars in the

SSBN-unique submarine sonar family, the others including the BQR-15 and BQR-21 (DIMUS) and BQR-23 sonars. The BQR-19 was installed aboard submarines of the SSBN-608 Ethan Allen class and SSBN-616 Lafayette class during scheduled ship conversions and overhauls. The SSBN-726 Ohio class

submarines received the system while being built. The BQR-19 was never sold overseas to foreign navies.

Current spares and support funding for this sonar, which is no longer in production, is derived from the Navy FBM Systems Sonars line, which also includes funding for improved processors and memory array modifications and various other alterations for SSBN

installation. Raytheon developed and produced the system while other contractors supplied various related components. These include Lunn Laminates for mast fairings, National Designers, Inc for mast bearing assemblies, Eghbaugh Corp for masts, Scandia Corp for spares, Aluf Industries for subsystems, and Tracor, Inc for system coordination of SSBN-unique sonars.

Variants/Upgrades

There are no known variants or upgrades to this sonar.

Program Review

Background. Through FY86, Raytheon received approximately US\$85 million in announced contract awards for the BQR-19. The US\$18.5 million in FY81 provided various modification kits for the BQR-19, BQR-21 and BQR-23 sonars, besides BQR-15 cables and arrays and BQR-T4 fire control interface kits. FY82 funds also procured those items. The FY82 contract provided engineering support for the BQR-19 and the BQR-T4, planning, installation, development

and operational support. A Basic Ordering Agreement (BOA) issued to Raytheon in FY84 included funding for testing, repairs and refurbishment of BQR-19 systems. In April 1985, Raytheon received a US\$9.5 million contract for support of the BQR-19 and the BQR-T4 on-board trainer. Work on this contract was completed in September 1988. Raytheon continues BQR-19 spare and repair parts support.

Funding

No further funding has been listed.

Recent Contracts

No recent contracts have been awarded.

Timetable

1960s	Research and development conducted
1969	First system ordered
1980s	Production completed
1984	Systems refurbishment commenced

Worldwide Distribution

The BQR-19 is in service with the US Navy.

Forecast Rationale

The SSBN-726 Ohio class is the only operational strategic missile class submarines in the US fleet equipped with the BQR-19. However, as long as the Ohio class remains active, Raytheon will continue to

provide engineering service support and repair parts. As for the deactivated SSBN-616 boats, the Navy plans to salvage BQR-19 equipment for use in maintaining existing active systems.

Ten-Year Outlook

This program is complete and no additional systems are anticipated.

* * * * *