

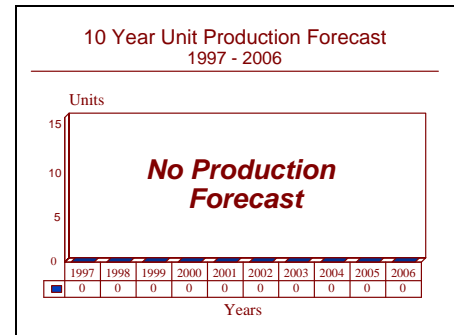
ARCHIVED REPORT

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SRC-47(V) - Archived 8/98

Outlook

- Production complete
- Activity limited to spares support
- Unique to flight decks of large aircraft carriers/assault ships
- Program appears bought out earlier than planned (FY96)



Orientation

Description. Flight deck communications system.

Sponsor

US Navy

Naval Sea Systems Command
Arlington, Virginia (VA)
USA

Contractors

GTE Government Systems Corp
Communications Systems Division
77 A St
Needham Heights, Massachusetts (MA) 02194
USA
Tel: +1 617 449 2000
Fax: +1 617 455 4460
(Prime: Development/production)

Status. Production complete.

Total Produced. About 38 systems were produced through 1995.

Application. Flight deck personnel communications for CV, CVN aircraft carriers and LPH amphibious assault helicopter carriers. The SRC-47(V) radio system is unique to the large flight decks of aircraft carriers and amphibious assault ships.

Price Range. Undetermined.

Technical Data

Design Features. The SRC-47(V), also known as the Man-On-The-Move Communications System, incorporates a number of communication units and is used for communication among crew members aboard aircraft carriers. Base station equipment includes the CV-3679(V)/SRC-48(V) signal data converter, which performs priority sequencing and switching, audio and digital processing and power distribution; the AM-

7104/ SRC-48(V) audio frequency amplifier; the C-10906/ SRC-48(V) and C-10907(V)/SRC-48(V) control indicators; the RT-1372/SRC-48(V) receiver-transmitter; and the CU-2346/SRC-48(V) antenna coupler.

Equipment used on the flight deck comprises the PRC-114 handheld transceiver and the AM-7103/PRC-114 amplifier-charger for vehicular

applications. Helmet communication is also available. Support equipment comprises the PP-7659/SRC-48(V) battery power supply, the PP-7988/PRC battery charger and the TS-4173/PRC-114(V) transceiver test set.

The SRC-47(V) provides 500 frequency-synthesized channels with the capability of four preset channels. Encryption can be used, and the transceiver is designed for operation in extreme electromagnetic interference environments.

Variants/Upgrades

No variants or upgrades have been identified.

Program Review

Background. GTE was selected to develop the SRC-47 in the early 1980s following an award of \$13 million in September 1984. The new-generation LSI transceiver system was designed to be lighter and smaller than existing systems while offering encrypted communication capabilities in high noise or extreme EMI environments among base and mobile stations, support equipment, handheld or helmet-mount users.

Since 1988, GTE has received approximately \$20 million in announced contract awards for development, production and engineering services for the SRC-47(V) system.

The SRC-47's most recent contract activity is recorded for March 1996. At this date, a contract modification of US\$5 million was awarded to Milcom Systems Corp by the Naval Command, Control and Ocean Surveillance Center, Norfolk, VA, for the continuing performance of mission-essential engineering and technical services. These services included installation of the SRC-47 flight deck communications systems, and were to be completed by July 1996.

Funding

No further funding is listed for the SRC-47. Long-Range Acquisition Estimates dated 1994 call for two systems in 1995 to complement ten from 1994. Beyond that, the procurement requirement for this system is likely filled; no further procurement estimates are listed for FY96 or FY97.

Recent Contracts

Contractor	Award (\$ millions)	Date/Description
GTE	4.6	Jul 1988 — Delivery order under a BOA to provide 50 line items of electronic spares in support of SRC-47(V) shipboard flight deck communications (N00140-88-G-0168).
Milcom	5.0	Mar 1996 — Contract modification for continued performance of mission-essential engineering & technical services required by the Naval Command, Control & Ocean Surveillance Center, In-Service Engineering, East Coast Detachment, Norfolk, VA. Services support ship survey & installation of advanced narrowband digital voice terminals, crypto equipment, AN/SRC-47 flight deck communications systems, and AN/SRC-49 decoy launching system. Services also provide for ships alterations in conjunction with ship overhaul for various communications transmitters, receivers, multiplex terminals, and communication antennas. Work completed July 1996 (N00189-90-D-0319)

Timetable

1984	Awarded development contract
1987	First aircraft carriers fitted
FY96	Last year of procurement

Worldwide Distribution

The SRC-47(V) is unique to US Navy aircraft carriers and amphibious assault ships.

Forecast Rationale

A portion of the SRC-47 requirement was used to fit out two Nimitz class carriers (CVN-74 Stennis and CVN-75 United States), one Wasp class LHD (likely LHD-5) and one more Nimitz class carrier (CVN-76, approved in 1994). The remainder of these will be mostly used for replacement of older equipment and spares.

The Navy's FY94 Long Range Acquisition Estimates outlined procurement of 12 systems, ten for FY94 and two more in FY95. Activity appears to have ended in 1996 with completion of the last contract modification, which went to Milcom Systems Corp for installation of the SRC-47 (among other services). Further activity will likely be limited to spares support.

Ten-Year Outlook

As no further procurement production is envisioned, the forecast chart is omitted.

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