

ARCHIVED REPORT

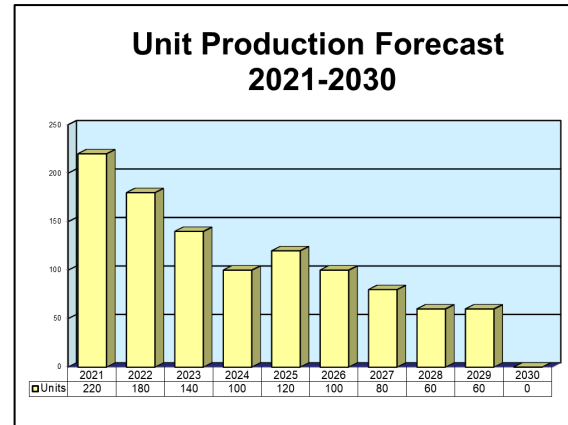
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Eagle

Outlook

- Possible limited production, but the dearth of any news or contract announcements, and a market flooded with alternatives, would indicate that its prospects have dropped off considerably
- Best prospects for new procurement – especially for replacement and replenishment – probably lie in Asia and Africa



Orientation

Description. Eagle is a close combat military radio that provides short-range communications between dismounted troops. The Eagle Close Combat Radio (CCR) incorporates advanced network technology to provide automatic data and voice rebroadcast.

Status. Possible limited production and service.

Application. Short-range communications between dismounted troops.

Price Range. The price of one Eagle Close Combat Radio is estimated to be \$3,250.

Sponsor

Cobham Antenna Systems
 Defence Communications Ltd
 Haslingden Rd
 Blackburn
 United Kingdom
 Tel: + 44 1254 584581
 Fax: + 44 1254 284582

Contractors

Prime

**Cobham Antenna Systems,
 Defence Communications Ltd**

<http://www.cobham.com>, Haslingden Rd, Blackburn, United Kingdom,
 Tel: + 44 1254 584581, Fax: + 44 1254 284582, Prime

Contractors are invited to submit updated information to Editor, International Contractors, Forecast International, 22 Commerce Road, Newtown, CT 06470, USA; rich.pettibone@forecast1.com

Eagle**Technical Data**

The Eagle Close Combat Radio (CCR) has been designed for use as a stand-alone section/squad radio, or as a wireless communications platform that may be fully integrated through a Vehicle Intercom System (VIS) to provide seamless communications between platform and dismounted infantry/crew. Key features include simultaneous voice and data transmission, AES 128 encryption, and advanced network technology.

Eagle provides not only full duplex voice communications between section/squad members but also separate data networks for the passage of information and for maintaining situational awareness within the group. Eagle allows up to six users within any ad-hoc group to gain simultaneous voice access to the network. Full duplex voice eases the communications burden on users by eliminating the need for rigid voice procedure. In the Voice Operated Transmission (VOX) mode of operation, Eagle allows users to pass instructions and orders as they would if they were standing next to each other.

The Eagle CCR has a number of data modes. These include "low speed data" and "broadcast data." Low speed data mode allows small data files (objects) from

C4I systems to be sent over a normal voice channel. Similar to voice, this data can be rebroadcast up to five times within a group. Broadcast data mode is a higher-speed mode used to transmit larger files or images. This data is not rebroadcast, and any routing of this data has to be done via the C4I system.

The radio's single push and turn selection button is used in conjunction with simple voice-prompted menus to allow the user to make rapid changes to the radio configuration. Eagle uses a single rotary-control push button, accompanied by voice prompts, to guide users through the menu structure and select the various functions. Voice prompts can be made available in the user's language of choice.

Two Push-To-Talk (PTT) buttons are built into the radio as standard. One PTT activates the Eagle, and the second PTT provides additional external radio or VIS access. A wireless access unit with two remote PTTs is also available. It can be hand- or weapon-mounted for ease of use.

Eagle operates in the 2.4-GHz band and has a line-of-sight range of 700 meters in open terrain.

Program Review

Cobham Defence Communications introduced its Eagle Close Combat Radio (CCR) in September 2007 at the Defence and Systems Equipment International (DSEi) exhibition.

Cobham demonstrated its Eagle CCR at the September 2009 DSEi exhibition (now renamed Defence and Security Equipment International but retaining the initialism). In the summer of 2009, Cobham Defence Communications secured several orders of undisclosed value for nearly 10,000 Eagle CCRs from customers in the Middle East, the Far East, and Africa.

Cobham announced in January 2011 that the company had received two contracts totaling \$21 million to provide its military Vehicle Intercom System and Eagle CCR to an undisclosed customer in the Middle East.

In September 2011, Cobham announced that it would be demonstrating the Eagle CCR at the DSEi exhibition being held that month at the Exhibition Center London (ExCeL).

Cobham sold approximately 10,000 Eagle CCRs from 2008 to April 2012.

Contracts/Orders & Options

<u>Contractor</u>	<u>Award (\$ millions)</u>	<u>Date/Description</u>
Cobham Defence Communications	Unknown	2009 – Several orders of undisclosed value for nearly 10,000 Eagle CCRs from customers in the Middle East, the Far East, and Africa.
Cobham Defence Communications	21.00	Jan 2011 – Two contracts to provide a military VIS and an Eagle CCR for delivery to an undisclosed customer in the Middle East.

Worldwide Distribution/Inventories

Cobham reports that undisclosed customers in the Middle East, the Far East, and Africa have purchased the Eagle Close Combat Radio.

Forecast Rationale

The forecast period may see limited production of the Eagle Close Combat Radio (CCR), but the dearth of any news or contract announcements would indicate that its prospects have dropped off considerably. And of course, the system isn't helped by competing in a market flooded with alternative radios.

Eagle has been designed for use as a stand-alone section/squad radio or as a wireless communications platform that may be fully integrated through prime

contractor Cobham's Vehicle Intercom System (VIS) to provide seamless communications between platform and dismounted infantry/crew.

After a period of significant production for countries in Asia and Africa, the best prospects for new procurement – especially for replacement and replenishment – probably lie in those same geographic areas.

Ten-Year Outlook

ESTIMATED CALENDAR YEAR UNIT PRODUCTION												
Designation or Program	Thru 2020	High Confidence				Good Confidence			Speculative			Total
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
Cobham Antenna Systems												
Eagle Close Combat Radio <> Department of Defense <> Worldwide												
	13,080	220	180	140	100	120	100	80	60	60	0	1,060
Total	13,080	220	180	140	100	120	100	80	60	60	0	1,060