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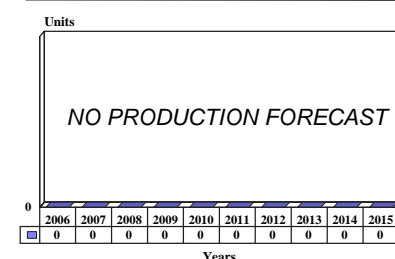
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## Royal Thai Air Defense System (RTADS) - Archived 4\2007

### Outlook

- The Royal Thai Air Force declared Phase III of RTADS to be fully operational in August 2000
- No outlook for RTADS is forecast
- Barring any major developments, this report will be archived in April 2007

10 Year Unit Production Forecast  
2006 - 2015



### Orientation

**Description.** The Royal Thai Air Defense System (RTADS) is an air defense command and control system devised to defend Thailand from hostile aircraft. RTADS provides early warning of unfriendly aircraft in flight over Thailand, and control for Thai fighter jets tasked with intercepting enemy planes.

#### Sponsor

Royal Thai Air Force  
Phatholyothin Road  
Bangkok  
Thailand

Thai Ministry of Defense  
Thailand

**Status.** Phase I and Phase III are complete and fully operational.

**Total Produced.** Phase I and Phase III of the Royal Thai Air Defense System have been installed.

**Application.** Surveillance; command and control.

**Price Range.** Phase I and Phase III of the Royal Thai Air Defense System cost approximately \$387 million.

### Contractors

#### Prime

##### Northrop Grumman Corporation

<http://www.northropgrumman.com>, 1840 Century Park E, Los Angeles, CA 90067-2199  
United States, Tel: + 1 (310) 553-6262, Fax: + 1 (310) 201-3023, Prime

Comprehensive information on Contractors can be found in Forecast International's "International Contractors Series." For a detailed description, go to [www.forecastinternational.com](http://www.forecastinternational.com) (see Products & Samples/Governments & Industries) or call +1 (203) 426-0800.

## Royal Thai Air Defense System (RTADS)

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

### Technical Data

**RTADS Phase I.** Phase I of the Royal Thai Air Defense System (RTADS) is composed of unspecified general surveillance radars. These radars are supported by a classified number of unknown mobile low-level air defense system radars. These radars provide low-level coverage and gap-filling.

Microwave relay stations provide sensor linkage to the operational command center. The Air Operations Center/Sector Operations Center (AOC/SOC) at Don Muang Air Base near Bangkok is the hub of the network.

**RTADS Phase III.** Phase III of the Royal Thai Air Defense System provides air defense over southern Thailand. Northrop Grumman was the prime contractor for developing and installing Phase III of the Royal Thai Air Defense System. Phase III of RTADS comprises several FPS-130 long-range radars, a communications network that would reach from Chicago to Baltimore, and a sector operations center.

### Variants/Upgrades

No variants of the Royal Thai Air Defense System are known to exist at this time.

### Program Review

#### ***RTADS Phase I Completed in 1989***

The first stage of the Royal Thai Air Defense System project included the purchase of general surveillance radars, which were used in the northern regions of the country. To support these radars, a number of low-level air defense system radars were installed. In 1985, the Thai government decided to incorporate a C<sup>3</sup>I system into RTADS. In April 1989, RTADS Phase I achieved Initial Operational Capability. Full Operational Capability was achieved the following October.

#### ***RTADS Phase II Put on Indefinite Hold; RTADS Phase III Completed***

With the successful completion of RTADS Phase I, RTADS Phase II was ready to go. However, the changing political situation and relationships in the

region resulted in RTADS Phase II being downgraded. The Thai government decided to place Phase II on indefinite hold. As a result, Thailand shifted its air security priorities to the rapid development of RTADS Phase III. In August 1990, the details of Phase III of the Royal Thai Air Defense System were released.

Phase III of the Royal Thai Air Defense System provides air defense over southern Thailand. Northrop Grumman was the prime contractor for developing and installing Phase III of the Royal Thai Air Defense System. Phase III of RTADS comprises several FPS-130 long-range radars, a communications network that would reach from Chicago to Baltimore, and a sector operations center.

### Significant News

***RTADS Phase III Completed*** – The Royal Thai Air Force declared Phase III of RTADS to be fully operational in August 2000. (Northrop Grumman, 12/02)

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## Funding

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Phase I of the Royal Thai Air Defense System (RTADS) was funded by U.S. Foreign Military Sales (FMS) credits. The credits totaled \$207 million. The Phase III RTADS cost Thailand approximately \$180 million.

## Contracts / Orders & Options

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No known contracts have been recently awarded for the Royal Thai Air Defense System.

## Timetable

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<u>Year</u>	<u>Major Development</u>
1985	RTADS project begun
1987	Low-level air defense system radars installed
1988	First live data transmission test
1989	Phase I Full Operational Capability achieved
1990	The details of Phase III of RTADS are released
1994	Contract signed for RTADS Phase III C <sup>3</sup> I and three FPS-130 radars
1999	First FPS-130 radar operational in southern Thailand
2000	RTADS Phase III fully operational

## Worldwide Distribution / Inventories

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The Royal Thai Air Defense System is customized to **Thailand** Ministry of Defense requirements. It is not an exportable item.

## Forecast Rationale

The Royal Thai Air Defense System (RTADS) is an air defense command and control system designed to protect Thailand from hostile aircraft. RTADS provides early warning of enemy aircraft, and control for Thai fighter jets tasked with intercepting enemy planes.

public information available regarding RTADS Phase II, Forecast International has omitted the 10-year outlook chart. Unless developments concerning RTADS Phase II occur, Forecast International will archive this report in April 2007.

### ***RTADS Phase III Fully Operational***

With the Royal Thai Air Force declaring Phase III of RTADS to be fully operational in August 2000, and no

## Ten-Year Outlook

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With no outlook forecast, Forecast International has omitted the 10-Year Outlook chart.

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