THAAD and Product Support Overview
For the MDA Small Business Conference

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Agenda

• MDA Overview

• THAAD Overview

• Product Support Requirements for set-aside
**Missile Defense Agency Mission**

To develop and deploy a layered Ballistic Missile Defense System to defend the United States, its deployed forces, allies, and friends from ballistic missile attacks of all ranges and in all phases of flight.

**Missile Defense Capability Globally Deployed**
Missile Defense Agency Priorities
- In Support Of The National Defense Strategy -

- Continue focus on increasing system reliability to build warfighter confidence

- Increase engagement capability and capacity

- Rapidly address the Advanced Threat

BMDS Meets Today’s Threat but Requires Additional Capacity and Advanced Capability to Stay Ahead of the Evolving Threat
Today’s Ballistic Missile Defense System

C2BMC: Command Control, Battle Management and Communications

NMCC
USSTRATCOM
USNORTHCOM
USINDOPACOM
USEUCOM
USCENTCOM

BOOST / ASCENT Defense Segment
Aegis
Ballistic Missile Defense

SM-3
Standard Missile-3

MIDCOURSE Defense Segment
GBI
Ground-Based Interceptor

Aegis Ashore

THAAD
Terminal High Altitude Area Defense

PAC-3
Patriot Advanced Capability-3

TERMINAL Defense Segment

Aegis
Sea-Based Terminal

The System Of Elements

Sensors

- Satellite Surveillance
- Forward-Based Radar
- Upgraded Early Warning Radar
- AEGIS BMD SPY-I Radar
- Sea-Based X-Band Radar
THAAD Capabilities Overview

- Defends against short-, medium- and limited intermediate-range ballistic missiles
- High firepower and sustainability for resistance to mass attack
- Both endo and exoatmospheric intercept capability
- High lethality with proven hit-to-kill
- Interoperable with other Ballistic Missile Defense (BMD) Systems
- Dedicated to BMD missions – positioned to counter prevailing threat
- High single-shot kill probability provides cost effectiveness

THAAD Provides Unique and Cost-Effective Capabilities for Critical Ballistic Missile Defense Missions
THAAD Configuration

**Launcher Component**
- HEMTT-based launcher
- 8 Interceptors per Launcher
- 6 Launchers per Battery
- 30-min reload
- Highly-mobile

**Interceptor Component**
- Hit-to-Kill lethality
- Uncooled sapphire window
- Infrared gimbaled seeker
- Single-stage solid-propellant booster with thrust vector control
- Liquid bi-propellant Divert and Attitude Control System (DACS)

**Key System Attributes**
- Endo- and exo- atmospheric engagements
- Shoot-Look-Shoot capability
- Hit-to-Kill
- Wide area coverage
- Operationally flexible TFCC
- Long range, high accuracy Radar
- Worldwide deployable by C17

**Critical System Attributes**
- AN/TPY-2 (TM) Radar Component
  - Target discrimination
  - Hit assessment
  - Communication link with in-flight missile
  - Surveillance and target tracking
  - Common with AN/TPY-2 (FBM)
  - Radar components: Antenna Equipment Unit (AEU), Electronic Equipment Unit (EEU) Cooling Equipment Unit (CEU), Prime Power Unit (PPU)

**Peculiar Support Equipment (PSE)**
- Battery Support Center (BSC)
- Missile PSE
- Single Missile Round Transport Container (SMRTC)
- THAAD Active Leak Sensor System (TALSS)
- Missile Round Pallet – Transportable (MRP-T) Trailer

**Interim Contractor Support System (ICSS)**
- ABV and CSV
- THAAD Fire Control and Communications (TFCC) Component

**THAAD Fire Control and Communications (TFCC) Component**
- One Tactical Station Group (TSG) contains:
  - Tactical Operations Station (TOS)
  - Force / engagement operations managed from dual tactical operation stations
  - Launch Control Station (LCS)
  - Robust communication capabilities
  - Station Support Group (SSG)
  - Antenna Support Vehicle (ASV)
  - Cable Support Vehicle (CSV)
THAAD Battery Status

Battery Updates

US Batteries
- E/3 Forward Stationed; Operational Mission Support
- D/2 Forward Stationed; Operational Mission Support
- A/4 Ready Battery
- A/2 Normal Operations
- B/2
- E/62
- B/62

UAE Batteries
- UAE Battery A: Operational Mission Support
- UAE Battery B: Operational Mission Support

As of: 31 May 19
THAAD Contribution to the BMDS

Provide Combatant Commanders a globally-transportable, rapidly-deployable capability to intercept and destroy short-range, medium-range, and limited intermediate-range ballistic missile threats inside or outside the atmosphere during terminal phase of flight.

THAAD Unique Battlespace

High Altitude Area Defense

Battlespace
- Aegis SM-3
- THAAD / SM-3
- THAAD
- PAC-3 / MSE / SM-6 DUAL 1
- SM-6 DUAL 1

THAAD Fills the Gap Between Low-Exo and High-Endo with High Pk
Draft Set-Aside
Work Scope Overview

• **CLS Manager**- Manage support of fielded THAAD-peculiar equipment in areas such as:
  - Maintenance
  - Sustainment
  - Supply

• **Contractor Maintenance Support**- Embedded Contractor Logistics Support (CLS) Teams responsible for Maintenance of THAAD Peculiar Equipment

• **Augmentation Team**- Additional support to the CLS Teams, as needed

• **Supply Chain Management**- Conduct supply support activities in areas such as:
  - Maintain warehouse equipment
  - Material handlers
  - Quality Assurance/Safety
  - Inventory control

• **Maintenance Support to the THAAD Instructional Division**- In support of the Institutional Training Base (ITB) at Ft. Sill, OK.
Draft Schedule

• Draft Request for Proposal release-August 2019
• Industry Day #1- August 2019
• Final Request for Proposal release-October 2019
• Industry Day #2-October 2019
• Proposals Due-December 2019
• Award date: March 2020

Draft Information-Subject to Change
Summary

• First time competitive set-aside for Product Support functions

• Award targeted for March 2020

• Industry Days planned for both draft and final Request for Proposal releases

• Break out session (Room #1) June 26th 1500-1700 for more specific information
  – Provide more information on requirements and acquisition
  – Seeking feedback to incorporate into draft Request for Proposal that is under development
Questions?
Contact Information

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