



# Acquisition Directorate

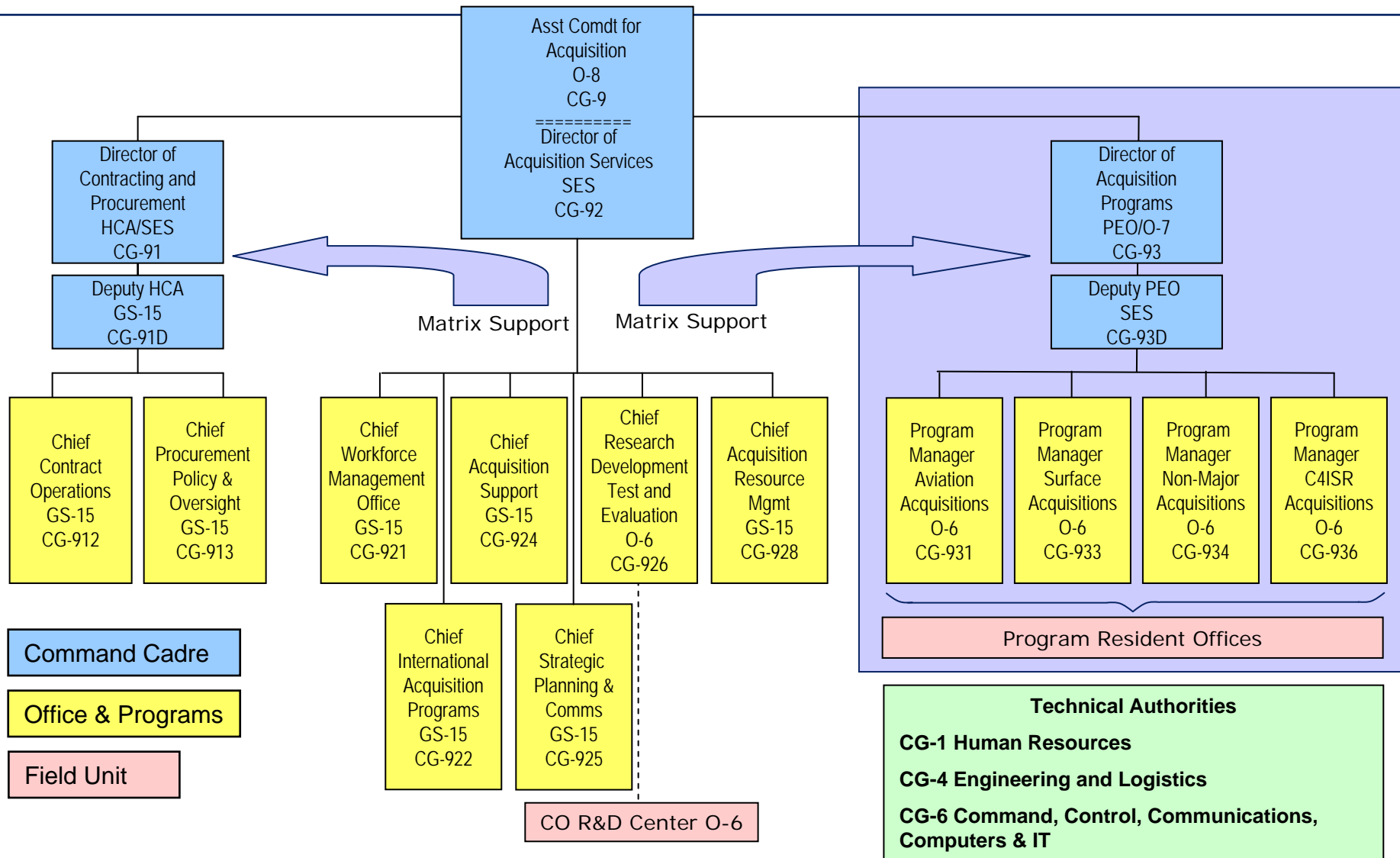
## Acquisition Insights & Transformation

CG-9 | RADM Gary T. Blore

31 October, 2007



# CG-9 Full Operational Capability, FY09





# Acquisition Directorate



# Director of Acquisition Programs (CG-93) – Acquisition Program Update

## Surface

- National Security Cutter
- Offshore Patrol Cutter
- Fast Response Cutter
- Coastal Patrol Boat
- Mission Effectiveness Project
- Response Boat Medium
- Ramping Down: Response Boat Small
- Long Range Interceptor / Short Range Prosecutor
- Close Out: Great Lakes Ice Breaker Replacement
- On the Horizon: Inland River Tender Emergency Sustainment

## Aviation

- Long Range Surveillance HC-130H & HC-130J
- Medium Range Surveillance HC-144A
- Multi-mission Cutter Helicopter HH/MH-65C
- Medium Range Recovery Helicopter HH/MH-60J/T
- Unmanned Air Systems
- MH-68A/HITRON

## C4ISR

- Deepwater C4ISR
- Rescue 21
- Nationwide Automatic Identification System
- On the Horizon: Command 21

## Logistics

- Logistics Integrated Management System

# Surface Projects



Length 418 Ft  
 Speed 28 kts  
 Range 12,000 nm  
 Endurance 60 Days

## National Security Cutter (NSC) : (8)

- Hull #1 BERTHOLF 88% complete
- Hull #2 WAESCHE 32% complete
- Hull #3 on contract (Aug 07)



Length 360 Ft\*  
 Speed 25 kts\*  
 Range 9,000 nm\*  
 Endurance 45 Days\*

## Offshore Patrol Cutter (OPC): (25)

- Production to begin 2012
- NSC, LCS lessons learned
- ABS Classed

\* Preliminary Characteristics



Length 140 - 160 Ft  
 Speed 30 kts\*  
 Range 4,230 nm\*  
 Endurance 7 Days\*

## Fast Response Cutter (FRC): (58)

- Competitive FRC-B RFP released June 07
- Parent craft
- ABS Classed

\* Preliminary Characteristics



Length 44 Ft  
 Speed 42 kts  
 Range 250 nm

## Response Boat - Medium (RB-M): (180)

- Twelve under contract
- First to be delivered March 08



Length 87Ft  
 Speed 25 kts  
 Range 600 nm

## Coastal Patrol Boat (CPB): (73)

- There are currently 8 remaining CPB's on contract
- Final CPB to be delivered Feb 09



## Mission Effectiveness Project: (CG Yard)

- 1 - 110' complete, 4 on going, 18 remaining
- 2 - 210's complete, 2 on going, 10 remaining
- 4 - 270's availabilities complete,
- Purpose: System Recapitalization

# National Security Cutter (NSC)



- **Plan: 8 *Legend*-class cutters**
- **Current Status:**
  - **Hull 1 – BERTHOLF 88 Percent complete**
  - **Hull 2 – WAESCHE 32 Percent complete**
  - **Hull 3 – Production contract awarded to ICGS**

## **Upcoming:**

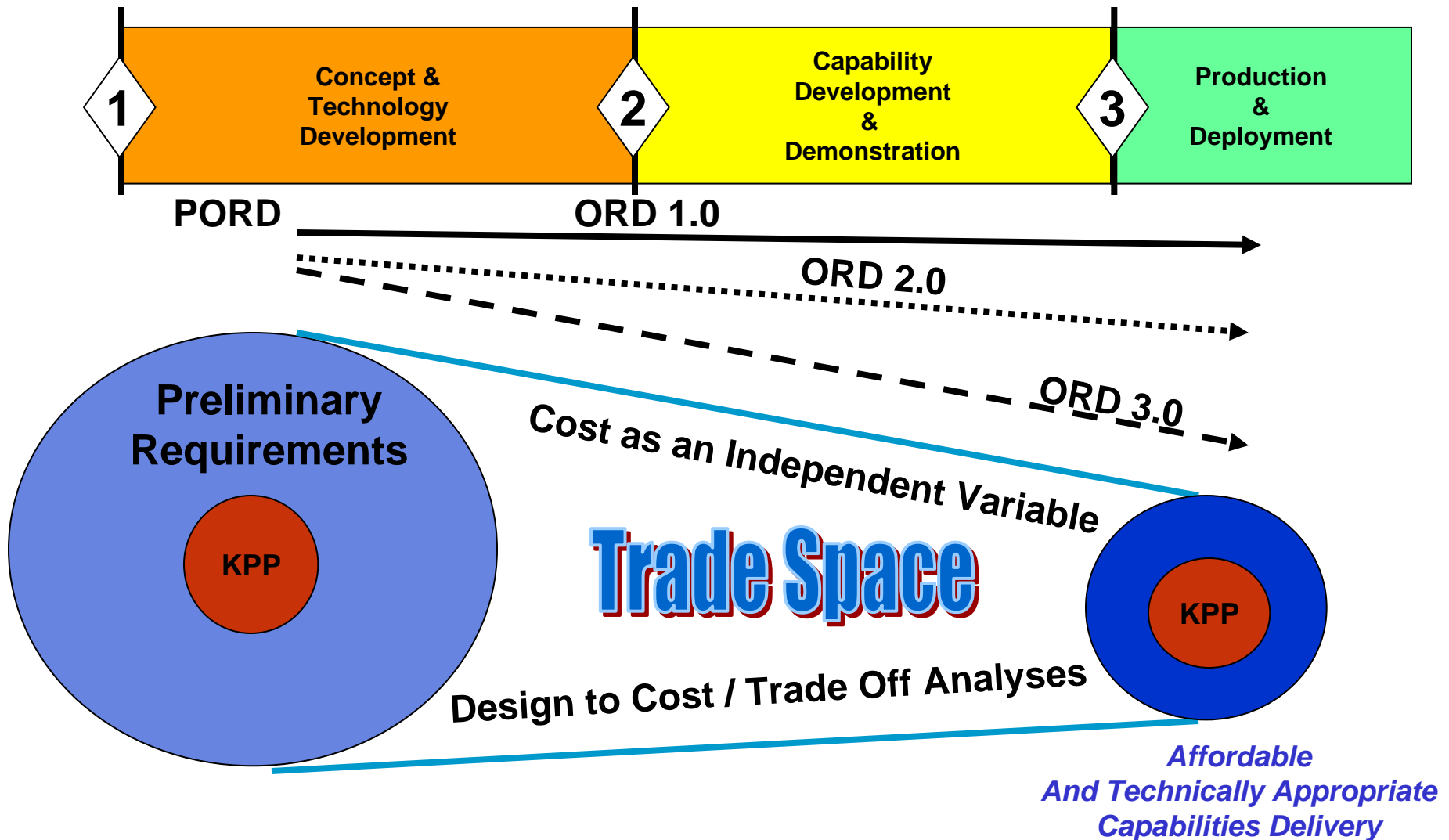
- **Builders trials, machinery trials and acceptance trials**

# Offshore Patrol Cutter (OPC)



- **Plan: 25 OPCs**
- **Notional Characteristics: length 360 ft; speed 25 kts; range 9,000 nm; endurance 45 days**
- **Current Status:**
  - **Requirements analysis and conceptual design phase**

# MSAM Acquisition Process





# Fast Response Cutter (FRC)



- **Plan: 58 FRCs (FRC-B first contract 12-34 hulls)**
- **Notional Characteristics: length 140-160 ft; speed 30 kts; range 4,230 nm; endurance 7 days**
- **Current Status:**
  - **Industry proposals due 1Q FY2008**

# Mission Effectiveness Project (MEP)

- **110'**
  - 1 complete
  - 4 ongoing
  - 18 remaining
- **210'**
  - 2 complete
  - 2 ongoing
  - 10 remaining
- **270'**
  - 4 complete
  - 1 ongoing
  - 21 remaining (of 13 hulls total, each undergoes two availabilities)



# Response Boat – Medium (RB-M)



- **Plan: 180 RB-M**
- **Current Status:**
  - **12 boats under contract**
  - **First delivery, March 2008**
  - **Additional deliveries follow every 1-2 months**

# Long Range Interceptor & Short Range Prosecutor

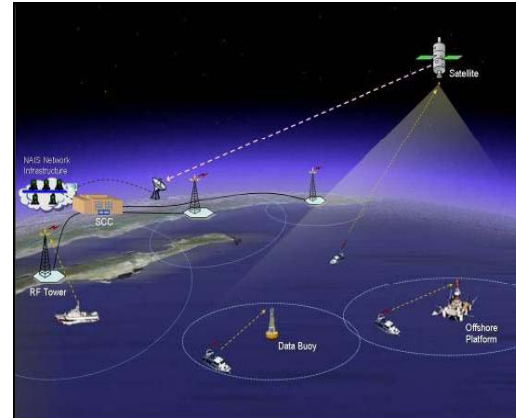


- **Plan: 33 LRI; 91 SRP**
- **Current Status:**
  - **LRI Factory Acceptance Testing complete**
  - **8 SRP delivered for the 123' WPB project**
  - **SRP 9+ will be acquired through competitive contract**

# Command, Control, Communications, Computers, Intelligence, Surveillance & Reconnaissance (C4ISR) Projects



**Deepwater  
C4ISR**



**Nationwide  
Automatic  
Identification  
System**



**Rescue 21:  
National  
Distress and  
Response  
System**

**On the horizon: Command 21**

# Deepwater C4ISR

- **Overview:**
  - **Legacy Upgrades phases I and II complete on all cutters**
  - **NSC Information Assurance (IA) testing begun**
  - **HC-144A mission pallet installation & testing underway**
  - **C-130J Missionization**
  - **Command Center prototype installation at Miami and San Juan, Puerto Rico**



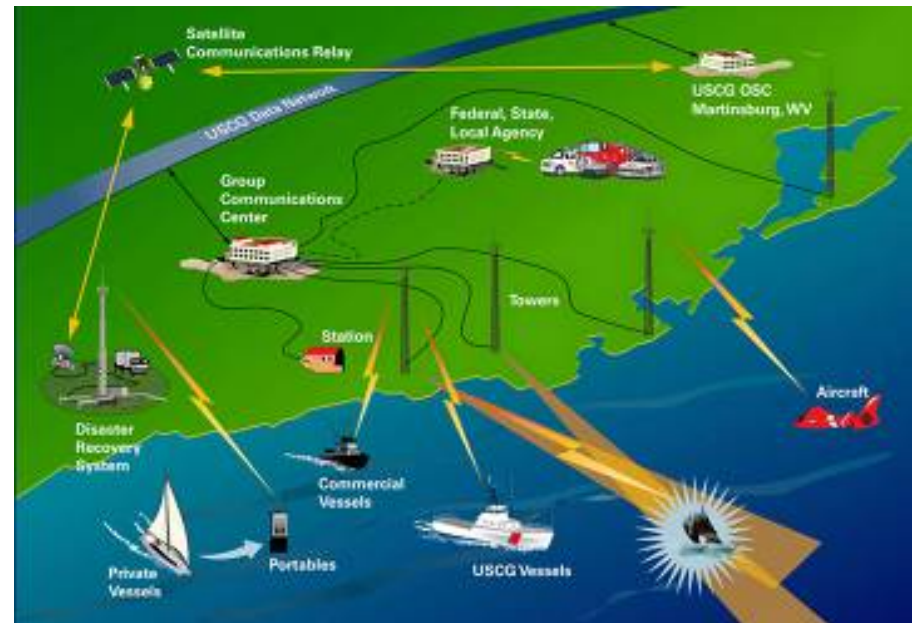
**HC-144A Mission System Pallet**



**Shore Facility Upgrades**

# Rescue 21

- **Overview:**
  - **39 Coast Guard Sectors to be outfitted with Rescue 21 capability**
  - **6 Sectors delivered to date**
  - **4 sectors began relying completely on new system in spring 2007**



# Nationwide Automatic Identification System (NAIS)

- **Overview:**
  - **165 AIS sites provide receive coverage in 55 designated critical ports and 9 coastal areas**
  - **Increment 1 completed by end of CY2007**
  - **Increment 2 provides additional transmit and receive capability**





# Integrated Logistics Systems (ILS)



- **Overview:**

- **USCG transitioning from commercial (Contractor Logistics Support) to organic (Government) logistics foundation**
- **USCG leads lifecycle logistics functions**
- **Logistics Information Management System (LIMS) in development for service-wide application**

# Aviation Projects Summary



Speed 175 kts  
Range 400 nm  
Endurance 4 hrs

## HH-65C: (95)

- 95 re-engined HH-65 helicopters delivered. 40% more power
- All air stations flying HH-65C's
- First AUF delivered to ATC Mobile



Speed 236 kts  
Range 1,565 nm  
Endurance 8.7 hrs

## Maritime Patrol Aircraft: (36)

- Aircraft #1, #2 & #3 at AR&SC
- #4-#8 on contract
- MSP – 3 on contract



Speed 170 kts  
Range 600 nm  
Endurance 6 hrs

## HH-60J: (42)

- Conversion to upgrade avionics and extend service life
- First Conversion to MH-60T undergoing tests at AR&SC



Speed 330 kts  
Range 5,500 nm  
Endurance 21 hrs

## Long Range Search Aircraft HC-130J: (6)

- HC-130J aircraft will be missionized in Greenville, NC by Lockheed Martin Aero

## HC-130H initiative: (16)

- APS-137 radar replacement, avionics upgrade. 16 total HC-130H retained for DW
- Remaining aircraft to be retired



Speed 170 kts  
Range 420 nm  
Endurance 4 hrs

## Helicopter Interdiction Tactical Squadron Ten (HITRON) (8)

- MH-68 Stingrays under contract
- Expires Jan 08



Speed 185 kts  
Range 100 nm  
Endurance 3 hrs

## Deepwater's Eagle Eye: (45)

- VUAV zeroed funding
- Stop work issued
- PEO charted 3 phase study
  - Evaluation of Eagle Eye & Fire Scout
  - Interim alternatives, manned and unmanned
  - Analysis of Phase II alternatives

# HC-130J/Long Range Surveillance Aircraft

- **\$120M Design to Cost , Task Order signed September 2005.**
  - **6 aircraft**
  - **Mission System design based on Medium Range Surveillance HC-144A**
  - **Belly mount radar, EO/IR, Flight Deck Mission System, Observer Stations**
- **First aircraft complete: Feb 2008**
- **Program complete: Sep 2008**



# HC-144A/Medium Range Surveillance Aircraft

- **Replacement for the HU-25 Falcon Maritime Patrol Aircraft**
  - **Aircraft 1 accepted Dec 2006**
  - **Aircraft 2 accepted Feb 2007**
  - **Aircraft 3 accepted Apr 2007**
  - **Mission Systems Pallet (MSP) 1-3 Acceptance Testing ongoing**
  - **Aircraft 4 thru 8 under contract as of 21 July 2007**



**Mission Systems Pallet**

# HC-144A/Medium Range Surveillance Aircraft



# M/HH-65C/Multi-mission Cutter Helicopter

- **Phase I - Complete**
  - **95 re-engined HH-65 helicopters delivered**
- **Phase II - Begun**
  - **Obsolete component modernization and Aircraft Ship Integrated Secure and Traversing System (ASIST)**
  - **Airborne Use of Force (AUF)**
- **Phase III – Begun**
  - **AFCS, cockpit upgrade and IDS C4ISR capabilities**



# H-60/Medium Range Recovery Helicopter

- **Service Life Extension Program**
  - Radar/FLIR Replacement
  - Engine Sustainment
  - Avionics Upgrades
- **First conversion to MH-60T undergoing tests at AR&SC**



# Unmanned Aircraft Systems (UAS)

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- **R&D Center is conducting UAS analysis studies**
- **UAS programs are being re-evaluated to available technology appropriate to USCG missions**
- **Possible joint UAS effort with other DHS agencies**





# Acquisition Directorate

*Thank You*

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