



Advanced Helicopter Training System (AHTS) One-on-One Meetings



5 – 8 Mar 2018

Presented to:
Industry

Presented by:
AHTS Team



Welcome

Welcome to the Naval Air Systems Command
One-on-One Meetings

- Please silence all cell phones and other devices.
- All electronic devices (two way pagers, cell phones, cameras, recording devices, laptop computers, etc.) are prohibited from use.
- One-on-One meetings are only scheduled for companies who provided an RFI response to the Solicitation Number: N6134017R9999.
- Please be cognizant of other workspaces in the building.



Welcome

Introduction of Government

Name	Org	Position/Title
CAPT Todd St.Laurent	PMA-273	Program Manager
Mike Overs	PMA-273	Principal Deputy Program Manager
Christina Hall	PMA-273	Deputy Program Manager
James A. Litsch	PMA-273	AHTS DIPTL
CDR Adam Taff	PMA-273	AHTS Military DIPTL
Michael Gaydar	PMA-273	AHTS APM- Systems Engineering
LCDR Karl Orthner	PMA-273	AHTS Class Desk/Program Integrator
Eric Qiu	PMA-273	Cost/Schedule
Isaac Gonzalez	PMA-273	Cost Team Lead
Phillip (Hunter) Draheim	PMA-273	Acquisition Cost Analyst
Eric Kelly	PMA-273	O&S Cost Analyst
Meghan Huett	PMA-273	Acquisition Lead
Jennifer Trevethan	PMA-273	AHTS Program Analyst
Rufina Nelson	PMA-273	AHTS Program Analyst

Name	Org	Position/Title
Rob Bain	PMA-273	Product Support Manager
Carrie LaMere	PMA-273	APML
Joe Bell	PMA-273	GBTS
Mark Thomas	PMA-273	DAPMSE
Kerry Westervelt	PEO(T)	Deputy APEO(T) Engineering
Patrick Coll	PEO(T)	Legal Counsel
CDR Jeremy Casella	N98	Requirements Officer
Gary Moser	PMA-273	GBTS
CDR Dan Moritsch	CNATRA	Requirements Officer
LCDR Scott Purcell	TW5	AHTS Lead
MAJ Ron Chino	CNATRA	PTO
Jeff Guarnero	AIR-2.5A	Deputy Dept Head
Maria Maldonado	NAWC(TSD)	Contracting Officer
Alana Nunez-Bennett	NAWC(TSD)	Contracting Officer/Sr. Contract Specialist



Welcome



Introduction of Industry



Welcome



- Classification: **UNCLASSIFIED**
- FAR 15.201, “Exchanges with industry before receipt of proposals”
 - Industry or small business conferences constitute an **Informal Exchange of Information**
 - Insight into Government plans
 - No Guarantee as to Government’s final course of action
 - To improve the understanding of Government requirements and industry capabilities, thereby allowing potential offerors to judge whether or how they can satisfy the Government’s requirements, and enhancing the Government’s ability to obtain quality services, at reasonable prices, and increase efficiency in proposal preparation, proposal evaluation, negotiation, and contract award.
- Formal RFP is the only contract action to allow industry to formally respond with a proposal



Objectives

- Hold an open dialogue with industry regarding the upcoming AHTS acquisition; Solicitation Number: N6134017R9999.
- Provide industry an opportunity to ask the Government questions related to the US Navy AHTS RFI-2.
- Gather information on industry recommendations and possible solutions for AHTS.
- Provide industry with the notional AHTS milestone schedule.
- Obtain written responses from Industry NLT 23 Mar 2018 regarding additional questions to industry posted with this brief on FedBizOps.



Guidelines & Information

- Notecards have been provided to submit questions in writing. Questions can be submitted during the One-on-One meetings or after.
- Every effort will be made to answer questions during the One-on-One meeting. Those questions not answered will be responded to via email.
- This brief will be issued on FBO at <https://www.fbo.gov> under the AHTS solicitation number N6134017R9999.
- Questions being submitted after your scheduled One-on-One meeting shall be emailed to Ms. Alana Nunez-Bennett at alana.nunez-bennett@navy.mil, Sr. Contract Specialist and Ms. Maria Maldonado, Contracting Officer at maria.d.maldonado@navy.mil using “One-on-One Meeting Questions” as the subject line.
- Responses to additional One-on-One meeting questions shall be emailed to Ms. Alana Nunez-Bennett, Sr. Contract Specialist at alana.nunez-bennett@navy.mil and Ms. Maria Maldonado, Contracting Officer at maria.d.maldonado@navy.mil using “One-on-One Meeting Responses to Questions” as the subject line.



Rules of Engagement

- All information released to date and during this brief is to be considered draft and for informational purposes only.
- Internal source selection plans and procedures will not be discussed.
- Any AHTS information given during discussions with industry attendees is subject to change.
- We will not share proprietary and/or proposal strategy information provided by companies to other potential offerors.



Disclaimer

Today's remarks by Government officials involved in the AHTS Contract solicitation shall not be considered a guarantee of the Government's course of action in proceeding with this or any other solicitation. The information shared today reflects current Government intentions and is subject to change based on a variety of circumstances, including internal and external comments and reviews. The formal Request for Proposals is the only document that shall be relied upon in determining the Government's requirements.



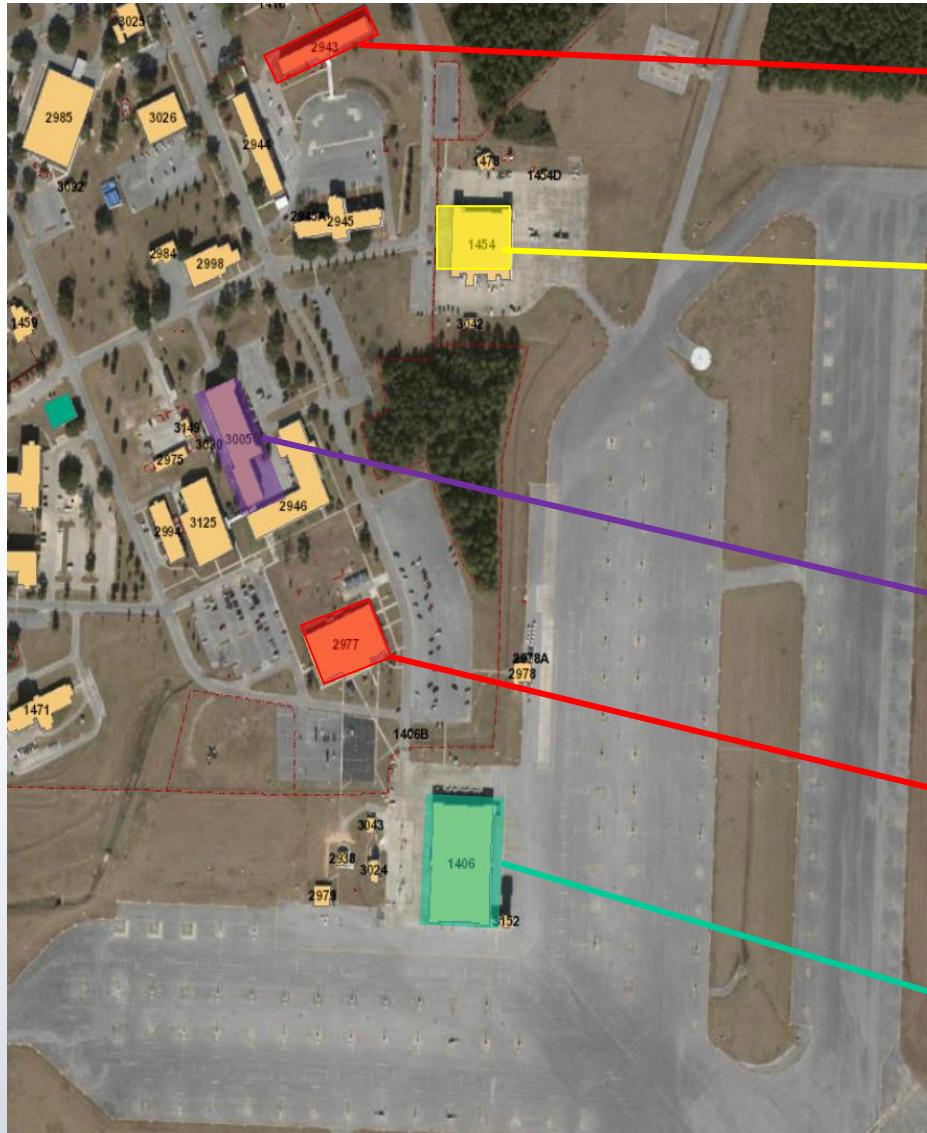
AHTS Approach

- Buy helicopters in FY20 with full divesture of legacy system in FY23
- Successfully transition from TH-57 to TH-XX (AHTS)
- Procure via 100% commercial acquisition with Best Value Trade-Off Source Selection Approach

Item	Type of Procurement
Aircraft (Helicopters)	COTS
GBTS/Simulators	Hardware and/or Services
Maintenance/Sustainment	Hardware and/or Services



Current Facility Layout



Bldg 2943
HT-28 Admin spaces & briefing spaces

Mid-field Hangar
(6) ARFF's vehicles, NITC (NETSAFA), Aviation Crash Division, CNATRA GSE maintenance contractor, State Forestry Helo Division, Sea Cadets

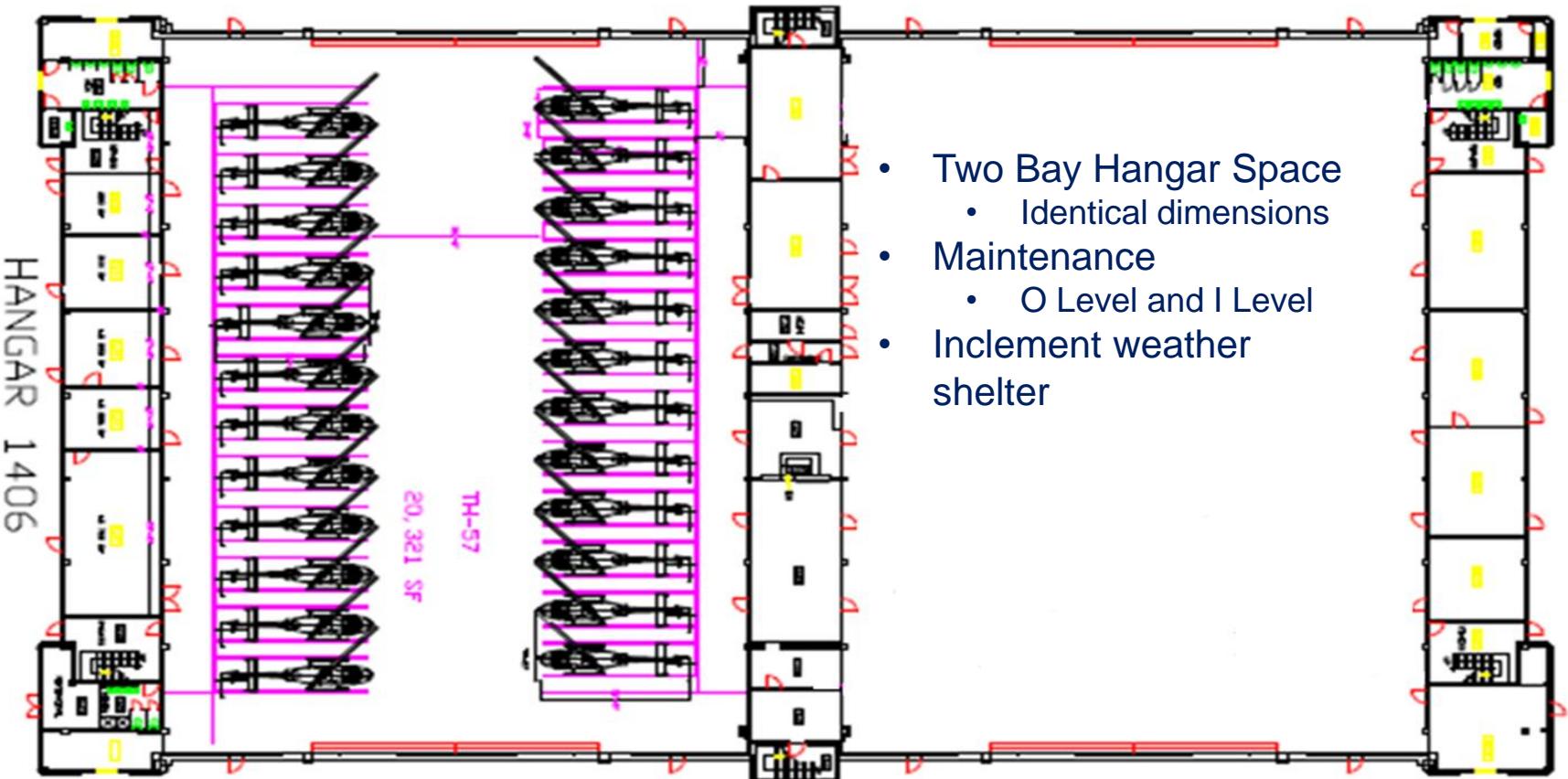
Bldg 3005
Consolidated HT Simulators
(6) Hyd Motion TH-57 & (3) TH-57 Static CPT

Bldg 2977
HT-8 & HT-18 Admin spaces, briefing spaces, and ALSS Gear Storage

Bldg 1406
Consolidated Maintenance 2-bay Hangar, Maint contractor and Pool/Rental ALSS Gear Storage



Facility Layout



Bldg. 1406: Currently capacity is (24) TH-57 maintenance spots in each bay



Preliminary AHTS Helicopter Requirements



- FAA Airworthiness Certification
- IFR Certification
- Configuration:
 - Single Type/Model/Series
 - Two pilots, side-by-side seating
 - ≥2 additional passengers
 - Tail Rotor
 - Interconnected, hydro-mechanical flight controls
 - Automatic Flight Control System
 - Landing skids
 - Rotor Brake
 - Blade fold
 - External payload capable
 - Hoist capable (a few kits capable for use on all TH-XX)
 - Sliding passenger door
 - Crew and passenger doors jettison capability
- Cockpit & Cabin Environmental Control Systems
- Fuel
 - JP-5, JP-8, Jet A, Jet A-1 for normal use
 - Gravity refueling
 - Pressurized/Hot refueling
- Communication
 - UHF
 - VHF
 - 2 separate radios, minimum
 - Passenger audio: ICS, radios
 - HGU-84 helmet compatible
- Safety Equipment
 - Mid-Air Collision Avoidance Capability (CNO Req)
 - Terrain Avoidance Warning System (CNO Req)
 - Crash Data Recorder (CNO Req)
 - ADS-B Out (FAA Req)
 - HUMS
 - Mobile passenger harness capable
- Navigation
 - TACAN
 - ILS/LOC
 - VOR / DME
 - GPS + WAAS (Garmin or Jeppesen)
 - RADAR Altimeter
 - OEM-provided Flight Management System and mission planning software
- Displays/Lighting
 - Interior and exterior NVD compatible lighting
 - Independent, digital cockpit displays to both pilots
- Performance (specifics to be resolved)
 - Endurance: ≥ 2.00 hrs (w/ 20 min reserve)
 - Cruise speed: ≥ 120 kts
 - Crew + interior payload ≥ 1,000 lbs
- Anthropometric: 5-95% populace via FAA standards



Preliminary AHTS GBTS Requirements

- **Federal Aviation Administration (FAA) Level 6 & 7 Flight Training Devices (FTD):**
 - Certificate of Qualification and Statement of Qualification (SOQ) (IAW 14 CFR Part 60, Appendix D) from a “parent” FTD that is the source device from which the installed device will be constructed and is functionally analogous to
 - Simulators are representative of the aircraft ultimately purchased
 - Simulators share the same aerodynamics, engine & blade element models, control loading (feel), and visual database
- **Visual System capable of displaying Visual Meteorological Conditions (VMC), Instrument Meteorological Conditions (IMC), day, and night conditions:**
 - FTD-7: 220° h x 60° v (approx. +20°, -40°) degree Field of View (FOV)
 - FTD-6: 120° h x 40° v (approx. +15°, -25°) degree FOV
 - Night Vision Goggle (NVG) compatible w/ near IR overlay spectrum
 - Selectable eye points (pilot, co-pilot, center).
 - Hover training
 - 3D visual scene
- **Remote Instructor Operator Station (IOS):**
 - Common Control Station allows selection, control, and communication with any of the FTDs
 - Remote/repeater IOS (tablet or other handheld device)
- **Motion System:**
 - FTD-7: Short-throw 6-Degree of Freedom Motion System to provide motion cuing and realistic, platform based, low-frequency correlated vibration
 - FTD-6: Single channel (correlated) base-vibration system with low-speed aerodynamics model
- **Contractor shall provide support personnel required to install, operate and maintain the contractor-provided FTDs.**
- **Other Requirements:**
 - Stability dampening
 - Emergency procedures
 - Background radio traffic
 - Debrief capability



Preliminary AHTS Sustainment Requirements

- **Sustainment/Maintenance**

- Options IAW CNAF Inst 4790.2 Chapter 11
 - FAA / Commercial
 - 4790
- Hybrid Option
 - OEM recommended maintenance with some retention of 4790 elements
 - Retain OEM recommended inspection cycles; or
 - OEM to modify inspection cycles to account for training flight profiles, if different than design profile
- “Commercial-like” Ops and Maintenance
 - Leverage commercial fleet efficiencies to minimize O&S costs
 - Potentially less manpower
 - Use of global supply parts
 - Utilize OEM maintenance manuals / flight manuals
 - Utilize OEM recommended support equipment

- **Additional items to consider procuring with AHTS**

- Curriculum Update
- TH-57 CLS transition
- Cadre pilot and maintainer training



Contemplated Acquisition Strategy Options

Single Prime Contract Award

- Full and Open Competition
- FAR 12 Commercial
- X Year Base Ordering Period, indicate option periods (if any)
- Items may include:
 - Helicopter, GBTS, and Sustainment for both AHTS and TH-57

Award Multiple Prime Contracts

- Full and Open Competitions
- FAR 12 Commercial
- Potential competitive RFPs:
 - AHTS
 - GBTS
 - Sustainment (CLS)



Draft Milestone Schedule

• Industry One-on-Ones	MAR 2018
• Presolicitation Notice	JUL 2018
• Issue Draft RFP	OCT 2018
• Industry Day	NOV 2018
• Issue Final RFP	FEB 2019
• Proposals Due	APR 2019
• Award Date	Q1FY20
• First Heli & GBTS Delivery	Q1FY21
• TH-57 Divestiture	Q4FY23



RFI-2 Re-cap

Opportunity for companies to explain their RFI-2 responses or provide clarification.



Thank You!