

# *NAVAIR Lakehurst Aviation Gold Disk Program*

2M MTR Gold Disk

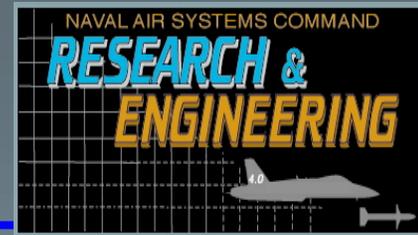
Strategic Planning Meeting

NAS North Island, Coronado, Ca.

June 25 – 26, 2002



## Outline



- Current Capability
- Current Gold Disk Production
- Near Term Strategy PMA-260
- Long Term Strategy PMA-260
  - Near Term Actions
  - Long Term Actions
  - Points of Contact



## Current Capability

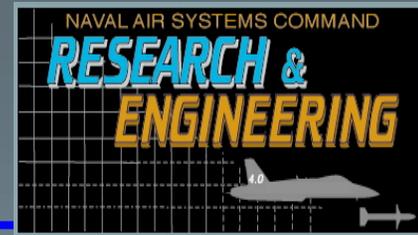


### AN/USM-646 Huntron 5100DS

- Test system has a fixed frequency range of 200 Hz and four fixed voltage ranges of 10, 15, 20 & 60 Vpp.
  - Approximately 176 test systems procured and delivered to AIMDs, MALS and NADEPs
  - Approximately 63 Gold Disks and 400 Silver Disks currently in Fleet inventory.
    - Silver Disks need to be validated/verified.
  - NAVAIR Lakehurst currently developing an additional 92 Gold Disks for E-2C, H-60 and F/A-18 support.
- ★ Huntron has dropped support for the 5100DS



## Current Capability



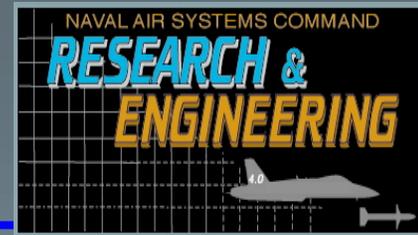
### AN/USM-674 Protrack 1 Model 20A

- 6000 + Ranges
- 24 Voltage (0.2-20Vpp)
- 16 Resistance
- 36 Frequency

- Advantages over the 5100DS
  - Program to the Most Descriptive Signature (MDS) of a component
  - Functional testing of gated components



## Current Gold Disk Production



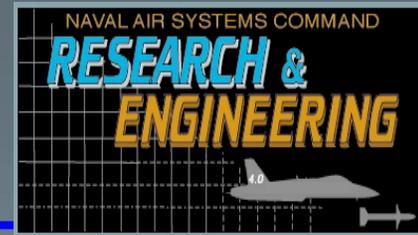
20 AV-8B CCAs funded in August '99  
20 Gold Disks developed



36 E-2C CCAs funded in August 2000  
24 Gold Disks developed  
2 Silver Disks developed  
10 CCAs in development



## Current Gold Disk Production



SH-60

- Candidates Submitted - May 2001
- 24 CCA's Selected - August 2001
- SPARCOM approval - Feb 2002
- 24 CCAs funded - March 2002



F/A-18C/D

- 1st Candidate List Submitted - May 2001
- 28 CCA's Selected - August 2001
- 2nd Candidate List Submitted - August 2001
- 30 CCA's Selected - August 2001
- SPARCOM approval - Feb 2002
- 58 CCAs funded - March 2002



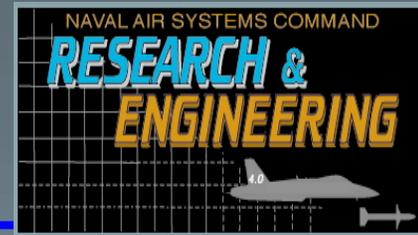
## Near Term Strategy PMA-260



- Upgrade 176 ISEA approved controllers and 3M ESD workstations.
- SERD Huntron 5100DS and controller separately (SM&R code will allow Fleet to requisition replacement parts via local purchase).
- Lakehurst Lab will be CFA for qualifying, maintaining and logistics support for Fleet candidates.
- Develop a User Logistics Support Summary for the Huntron System and distribute to the Fleet.
  - Identify NUWC approved POCs for Fleet training (Users/Developers).
  - Provide warranty information on new controllers.
  - Identify replacement items which Fleet can requisition as required.



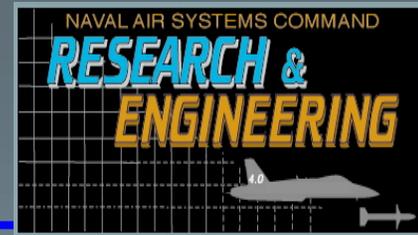
## Long Term Strategy PMA-260



- Replace existing Huntron 5100DS and Protrack 1 Model 20A test systems with a new COTS CCA Diagnostics Tester through competition in FY-04.
  - Contractor would be responsible for translation of all existing Gold and Silver Disks to the new system.
  - Contractor would provide initial training.
  - Contractor Logistics Support (CLS) utilized to sustain CCA Diagnostics Tester throughout its' life cycle. (CLS has proven successful on PMA-260 CASS and AECTS programs).
- Assess available diagnostic methods and tools for improved and more affordable CASS TPSs.



## Near Term Actions



PMA-260 to fund NUWC for upgrades to 176 systems with ISEA approved controllers, MTR software, technical manuals and documentation.

### NUWC

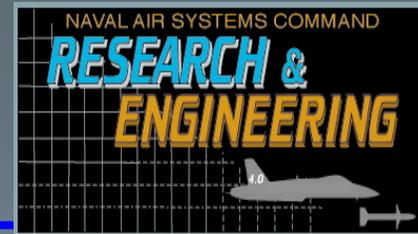
- Provide warranty and repair information on controller upgrade to NAVAIR LKE.
- Provide helpdesk support to NAVAIR Fleet Activities.
- Fleet personnel training as requested.
- Quarterly disk distribution/software upgrades.

### NAVAIR LKE

- SERD Huntron 5100DS and controller separately.
- Develop and distribute ULSS so Fleet can support test systems.
- Provide technical assist in development of Fleet Gold and Silver Disks.
- Centralize Gold Disk development to determine candidate status (ROI criteria, CASS Offload, logistics support).
- Screen Silver Disks for Gold development.



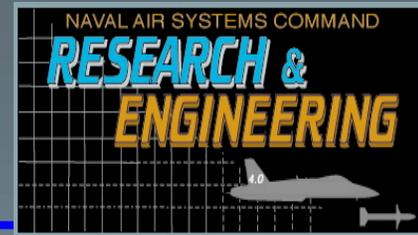
## Long Term Actions



- Competitive CLS CCA diagnostic tester in FY04
  - Cooperatively work Navy requirements with NUWC
  - Develop an acquisition program plan (cost, schedule, SOW)
  - Establish a Joint Services Program through the DoD EA for ATS
- Immediately initiate a study of available alternative diagnostic technologies and their applicability to Naval Aviation electronics maintenance.
- Work with the AIR-3.0 (LORA process) to determine if a diagnostic tester category can be established.
- TYCOM concurrence with the plan.



## Points of Contact



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