Overview

- Current AF DDRS “Team”
- Phase I Status
- Phase II Status
- Issues
  - Software
  - Hardware
  - Contracting
  - Business Practices and Policy Changes
- Other Concerns
- CDA and AHLTA Integration
- What’s Next?
AF DDRS Team

Air Force Medical Logistics Office
- Ft. Detrick, MD
- Maj Steven Casimir and Ms. Paula Bins
- Prepare packages for submission to contracting

Defense Supply Center, Philadelphia (DSCP)
- Review packages / Provide advice
- Award contracts

Col Stanczyk/Col(ret) Stuckey
- Liaison between AFMLO and AFDS

AF/SGR – Col Ibanez-Pabon
- Col(s) Graver
18 DTFs Included

FY05 Funds Used

11 Sites Completed: Maxwell, Malmstrom, USAFA, Elmendorf, Sheppard, Elmendorf, Eielson, Robins, FE Warren, Hill, Hickam

2 Sites Currently in Progress: W-Pat, Kadena

6 Sites Scheduled: Misawa, Hanscom, Eglin, Edwards, Tinker, Yokota

Completion of Phase I planned for June 2007
DDRS Phase II

- 61 DTFs Included
- FY06 Funds Used
  - Funds Obligated
  - Purchase Orders must be completed by 30 Sep 07
- Contracting Process Will Change vs. Phase I
  - Will have significant Government Purchased Equipment
  - Possible multiple integrators/installers
  - May speed process and cost less
- Requires Complete Site Proposal Review
  - Initial Review Complete – nearly all had significant disconnects
  - Site coordination on disconnects in progress
Software currently does not allow for error correction

- **Patient demographics locked after creation**
  - Name, Gender, DOB, SSAN

- **Images locked after “Approval”**
  - Cannot “un-approve” to correct orientation errors
  - Cannot rename series after approval
  - Cannot move images from one series to another
  - Cannot add images to previously approved series

- **Current Situation is Unacceptable**
  - Once made, errors cannot be corrected
  - High potential for wrong site procedure
  - Fixes from Medicor are pending, ECD mid-Feb 2007
Current AF Network Certification limits hardware choices

- Not Entirely a bad situation
  - Helps standardization, eases training and support
  - Eases sole-source justification

- However...
  - May limit ability to switch to new technology

- Current Primary Hardware Choices
  - Panoramic: Planmeca, Kodak, Schick
  - Intraoral digital sensors: Kodak, Schick
  - PSP Scanner: Air Techniques ScanX
DDRS Panoramic Devices

- **Planmeca ProMax**
  - Multiple configurations: Pan only; Ceph and Tomo add-ons
  - Extraoral BWXR capability standard
  - Cone beam 3D add-on: ~$100k
    - No current MiPACS integration

- **Kodak 8000 Panoramic**
  - Has Ceph add-on capability
  - No conversion to Cone beam currently
  - Large footprint

- **Schick CDRPanX** – Pan only; none in current proposals
DDRS Digital Sensor Devices

- **Schick CDR Sensors**
  - 1.2 Megapixel equivalent
  - 0.6MB image size
  - <5mm thickness

- **Kodak 6100 Sensors**
  - 4.0 Megapixel equivalent
  - 2.0MB image size
  - Significantly >5mm in thickness
  - ~$600 - $800 more than Schick

**Current Dilemma:** Which to choose?
- “Last year’s technology” vs. “Resolution Overkill”?
Phosphor Storage Plate Sensors
- Same sizes and techniques as film
- Still need to “develop” and “mount” the image
- Overall cost much less than digital sensors
- DDRS uses both digital and PSP sensors
  - PSP was intended for backup

Unintended Consequences of dual technology
- Most technicians prefer PSP
- At least one clinic is nearly 100% PSP
- Resolution is lower than with digital sensors
Central Archive Capability

- DDRS Includes a single Global Image Repository
  - Will be located at Wright Patterson AFB
  - Design being coordinated at AFMLO
    - Some disagreements with capability and capacity
- DDRS will provide funding to purchase
  - No current charge to AFDS to maintain
  - PACS administrator being provided by HQ AFMC/SGD
- Current CoN and SSAA doesn’t apply to Central Archive
  - AF/SGR is working to modify current CoN but need system deployed to finish
- Unsure of deployment date but should be by late Summer
Logistics & Contracting Issues

- Much information is “Contracting Sensitive”

- Phase I
  - Mostly a Force3 design
  - Everything provided by Force3
  - Significant price markup
    - No competition at AFMLO request

- Phase II
  - Design more closely based upon true requirements
  - AFMLO will release a “Request for Proposal”
  - Certain items will be Government Provided
  - Additional integrators possible
Business Practices Changes

- PCS Dental Record In- and Outprocessing
  - Will need to use CDRs until DDRS globally deployed
  - Have developed a standardized preprinted CDR
    - Includes HIPAA and Privacy Act Statements
    - Much cheaper than printing
- To Print Or Not To Print?
  - DDRS philosophy is not to print
  - Most DTFs don’t get printers as part of DDRS
  - AF entry-point DTFs get diagnostic quality printers
  - Anticipate on-going need to have printed Panos
- Will work with AF/SGOD to develop DDRS Policies
Other Concerns

- **How Soon To Disestablish Film-based Capacity?**
  - Once darkroom and processors are gone, there is no going back to film

- **Is a Central Radiology Section Still Needed?**
  - If not, how can the space be best utilized?
    - Working with DECS to have pre-designed options
    - Possibly more DTRs eventually?

- **How Many Fixed X-ray Tube Heads Are Needed?**
  - What about the NOMAD Unit?

- **Support and Maintenance**
  - Centrally funded Helpdesk and Software Maintenance
  - DECS DDRS Webpages and FAQ
Even More Concerns

- Significant accomplishments to date but lots still to do
  - Are we providing adequate resources to sustain?
- Users seem to like the system
- Deployments have been fairly smooth
  - Will this continue if we have multiple integrators?
  - Can existing DDRS Team deal with multiple integrators?
- How soon do we need to replace current hardware?
- Integration Issues with Other Services and VA
Integration

CDA
- Army has their own dental digital imaging system
- Army system integrated into CDA
- Army expressed significant “concerns” over providing MiPACS integration into CDA
- MiPACS already has software “hooks” to allow integration into other software
  - Should not be a major change to integrate with CDA

AHLTA
- DoD working to integrate Documents, Files and Images into AHLTA
- AFDS has active members on this team to ensure MiPACS images are available within AHLTA
What’s Next with DDRS?

- Finalize Proposal Disconnects (mid-Feb 07)
- AFMLO Releases RFPs (mid-Feb 07)
- Government Purchased Equipment Contracted (May 07?)
- Integrator(s) are identified and Contracted (May 07?)
- Finalized Schedule is Developed (mid-Feb 07)
- Phase II is begun (Jun/Jul 07?)
  - Goal is to be at 100% DDRS deployed by Summer 2008
- Central Archive is Established with approved CoN (Summer 07?)
- MiPACS and New Sensors are Inserted into WRM/EMEDS
- Integrate into CDA and AHLTA
Review

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Questions?