BACH RADIOLOGY - FY99

1. **Background**- Basset Army Community Hospital was the next major Alaska site after Elmendorf to convert to computed radiography. The modalities converted to the digital environment are Plain CR, Ultra Sound, Computed Tomography (CT) and Fluoroscopy. Bassett ACH supports three spokes, Eielson AFB, Fort Greeley, and the Kamish Troop Medical Clinic (TMC) on Fort Wainwright. Eielson AFB and the TMC have CR. Ft Greeley is supported with a film digitizer.

    Communications between Greeley and BACH and Eielson AFB and BACH is through a T-1 line currently shared with the Composite Health Care Computer System (CHCS). The TMC is connected to BACH through a fiber optic line.

    Some of the equipment used for the BACH installation was previously earmarked for the Tacoma VA. New equipment was procured from General Electric (GE), Fuji, Imation, and Dejarnette.

    Installation was completed in February 1999.

2. **Organization**

    COL Steven A. Greenwell, MC - Commander
    MAJ Mike Citrone – COTR, Chief, Radiology
    CW3 Donald Bowling, Medical Maintenance
    Mr. Kirk Juchau, Database Administrator.

3. **Mission Statement**- Convert BACH, Eielson AFB, FT Wainwright TMC and Ft. Greeley from a film-based operation to a digital environment.

4. **Goals and Objectives -**

    Objectives -.Turn over the system to BACH and to Eielson AFB Clinic.

    Goals: Sign the Memorandum of Agreement with BACH and Eielson AFB.

5. **Current Status**

    Primary Accomplishments-

    1. Secured VA Tacoma equipment from the Joint Imaging Technology Program Office (JITPO).
    2. Preliminary design completed by ITI.
    3. Installation completed in October 1998.
    4. Acceptance Testing completed in February 1999.
    5. Began official clinical use in January 1999.

6. **Strategic Direction –** The next step is to conduct, a study to explore the networking of federal facilities in the Alaska Federal Health Care Partnership. Further networking can be accomplished by connecting with facilities in the lower 48 states, namely Madigan AMC and Tripler AMC. Central archiving or data warehousing is also an issue that needs to be studied because it is a central part of the eventual "virtual radiology" department. Following the establishment of proper infrastructure, Telemedicine will be implemented through the association of Akamai and the AFCAN project.

7. **Business Associations**
Corporate Partnerships:

GE Medical Systems
Dejarnette
Fuji Medical Systems U.S.A., INC.
MEDWEB
MIS-LABS

Government Partnerships

Joint Information Technology Program Office (JITPO)

8. **Project Security**

System Security- The system is protected through the use of usernames and passwords. The systems administrator will maintain the list of authorized users.

Standards compliance measures: All attempts are being made to comply with all applicable standards.

9. **Summary:**

CR was installed at BACH and its supported clinics (Wainwright Troop Medical Clinic (TMC), Eielson AFB and Ft. Greeley) during October 1998 and February 1999. Equipment from Tacoma VA was augmented with new equipment from GE, Dejarnette and Fuji. Funding was provided by Akamai for installation and first year operation. BACH is expected to program and fund for all operational costs for the out-years. BACH is an integral part of the Alaska Virtual Radiology Environment (VRE) and is also central to the Telemedicine implementation in the region.