# TRIPLER RADIOLOGY PHASE II

1. **Background:**
The Medical Diagnostics Imaging System (MDIS) began operations in June 1996. Due to the fast growth and innovations in this field, it was known at that time, that a Phase II would be needed to update the system, and to use this technology throughout the hospital. Phase II will upgrade the MDIS system from 6.0 to 7.X, and this will allow a new product, WebLink, to be introduced. This new product will allow clinicians to view digital radiographic images through a web browser on their desktop PC, which Akamai will be providing. This direction gives us the opportunity to avoid the cost of deploying very expensive MDIS workstation throughout the hospital in Phase I of the project.

2. **Organization:**
Col. James Breitweser—Chief of the Department of Radiology
Maj. Stephen O'Connor—Department of Radiology, Remote Diagnostic Chief.
James Francoise—PRPO Project Manager
Glenn Kim—PRPO Assistant Project Manager

3. **Mission Statement:**
Upgrade TAMC's MDIS system from 6.0 to 7.X. Also to install WebLink, which will give TAMC the ability to view radiographic images throughout the hospital via standard desktop PC's.

4. **Goals and Objectives:**

**Objectives-** Upgrade MDIS and install Weblink. Upgrade the CT/MRI network to enhance the viewing capabilities.

**Goals-** To distribute PC workstations so that end-users may view the images via WebLink at their desktops. Install the network to support PC's and CT/MRI workstations.

5. **Current Status:**

Primary Accomplishments

-Completed the planning phase for the PC's
-PC's have arrived and deployment began on Oct 12, 1998
-The purchase of GE equipment
GE had quoted Akamai for the cost of the ODJ platters; this quoted price turned out to be lower than what GE could get the ODJ platters for. GE, at first, did not honor the quote and overcharged the account. The account only had enough money for the quoted price of the ODJ platters and WebLink. By overcharging Akamai for the ODJ platters there was not enough money to pay for WebLink. After several days GE honored the original quote and credited back the difference.
-Upgrade of Ultra Sound reading network
-Installation of Acuson Workstation
-Installation of Weblink and 7.0 upgrade.
-IP Conversion; from unregistered to registered IP's
-Schofield PC workstation installation

Project Timelines- see attached Gantt Chart.

6. **Strategic Direction:**

In Phase II of the Project, appropriate technologies will be installed and used to display images on personal computers rather than single-use clinical workstations for a fraction of the cost. Data will be transmitted on Local Area Network rather than proprietary (GE/MDIS) networks which is the case for the high-end workstations. Phase II will also enhance the MDIS network and the viewing capabilities of CT/MRI by installing high-end routers and switches into the network.

7. **Budget/Financial Status and Information**

   See Attached documents.

8. **Business Associations**

Corporate Partnerships

- GE Medical Systems Integrated Imaging Solutions Group
- Dejarnette
- GTSI
- Acuson
- Presentation Products
- Digital Equipment Corp
- MedWeb

Government Partnerships

- TAMC Information Management Department - network installation, software, hardware deployment.

9. **Project Security:**

System Security- The systems are protected through usernames and passwords.
Standards compliance measures: Standards published or enforced by the Security Manager, Information Management Office are complied with.

10. **Summary:**

GE Medical has come out with a new product called WebLink that works with version 7.0 of the GE PACS system (MDIS). WebLink will allow clinicians to access DICOM images, which are stored in MDIS, from their desktop computer. MDIS Phase II will implement this new technology. Along with WebLink, TAMC will upgrade the original MDIS system and its network. By improving the MDIS network TAMC is not only getting a better performance through expanded availability of images, but it will also enhance the viewing capabilities for CT/MRI by taking advantage of the upgraded network that is installed.