Enterprise Imaging Technical Governance

One Working Model

Core Topic Session

Kenneth Persons
Mayo Clinic
Centralized EI Governance Model

Clinical operational stakeholders have representatives on single EI governance body

From: Enterprise Imaging Governance: HIMSS-SIIM Collaborative White Paper

EI Governance Leadership

Role

- Oversee and monitor all clinical digital imaging projects to assure alignment with the Organization’s Strategic Plan.

- Responsible for creating, vetting, approving, maintaining, and overseeing the Enterprise Imaging strategy and 5 year plan.

Membership

- Dermatologist (Chair)
- IT Sr. Project Manager
- Radiology MDs
- Critical Care MD
- Family Medicine MD
- Cardiology MD
- Orthopedic Surgeon
- IT Leadership
- Radiology Informaticist
- Research Physicist
- Radiology Physicist
- Cardiology Physicist
- Rad. Onc. Physicist
- Medical Photography
- IT Team Leads and Architect by invitation

EI Technical Governance Groups

- Architecture Governance
- Applications Governance
- Imaging Equipment Governance
- Coordinating Council

Meets bi-weekly, Annual Retreat
EI Governance Technical

**Role**
- EI Architectural Oversight
- Review Imaging Architectural Topics
  - Imaging data flows and interfaces
  - Imaging data storage architecture
  - System architecture
  - Standards-related topics
  - Image viewing technical topics
- Architectural Input from multiple disciplines
- Keeper of the imaging reference architecture

**Membership**
**Chair:** Radiation Oncology Physicist
- Radiology Architecture Oversight
- Cardiology Technical Oversight
- Research Oversight
- IT Leadership
- IT Technical Leads
- Imaging Architect
- Sr. Project Manager

**Meetings**
- Meets bi-weekly
- Annual Retreat
EI Governance Technical

EI Applications (Mayo Developed)
- Clinical Image Viewer
- Institutional Image Management System
- Photo and Video Import Software
- Mobile device Photo/Video Acquisition
- Outside Images Import Software
- Electronic Image Exchange Integration
- EMR Integration

EI Applications (Vended)
- VNA
- Mobile Image Viewer
- Electronic Image Exchange

Role
- EI Applications Oversight
- Review Application Development Plans
  - New features and functionality
  - Keep everyone informed
  - Provide feedback, direction when needed
  - Help vet governance-related questions
  - Raise issues to Governance Leadership
- Review other EI applications (vended)

Membership
Chair: Cardiology Physicist
- Radiology Physicist
- Medical Photo Leadership
- Surgeon and Surgical Staff
- Cardiology
- Ophthalmology
- IT Leadership
- IT Technical Leads
- Imaging Architect
- Sr. Project Manager

El Technical Governance Groups
- Architecture Governance
- Applications Governance
- Imaging Equipment Governance
- Coordinating Council

Enterprise Imaging Governance Leadership
Meets bi-weekly
Annual Retreat

• Review Application Development Plans
• New features and functionality
• Keep everyone informed
• Provide feedback, direction when needed
• Help vet governance-related questions
• Raise issues to Governance Leadership
• Review other EI applications (vended)
EI Governance Technical

Enterprise Imaging Governance Leadership

EI Technical Governance Groups
- Architecture Governance
- Applications Governance
- Imaging Equipment Governance
- Coordinating Council

New Equipment Requests – Examples
- GI Endoscopic Imaging Equipment
- ENT Endoscopic Imaging Equipment
- Bedside Ultrasound Systems
- Video Capture and Recording Systems
- Cell Image Analysis Equipment
- Ophthalmology Imaging Equipment
- OR Digital Capture System
- Microscopes
- Surgical Treatment Planning Systems
- Orthopedic Templating System
- Etc.

Role
- Oversight of purchases of new imaging related equipment
- Insure that it will connect with imaging infrastructure
- Make recommendations to proponents
- Keep track of all types of imaging equipment that we have – and that we have reviewed
- Perform connectivity evaluation trials for some types of new equipment that we have never had before

Membership
- Chair: Orthopedic Surgeon
  - Surgery
  - IT Security
  - Biomedical Engineering
  - RN Leadership
  - IT and Physical Plant Leadership
  - IT Imaging Software Developers
  - Imaging Architect

Meets bi-weekly
EI Governance Technical

Enterprise Imaging Governance Leadership

EI Technical Governance Groups

- Architecture Governance
- Applications Governance
- Imaging Equipment Governance
- Coordinating Council

Meets weekly

Role

- Review and Prioritize Current EI Work, Timelines
- Review Current Issues/Problems
  - Assign team to investigate and report
  - Bubble up to Leadership Governance if needed
- Orchestrate timing for new releases
- Orchestrate communication processes
  - Outage/Impairment communications process
  - Communicating changes to users process

Membership

Chair: Sr. Project Manager
- Project Managers
- IT Technical Leads
- IT Leadership
- IT Developers
- Imaging Architect
Translating Governance to Action

Enterprise Imaging Governance Leadership

- Architecture Governance
- Applications Governance
- Imaging Equipment Governance
- Coordinating Council

EI Applications (Mayo Developed)
- Clinical Image Viewer
- Institutional Image Management System
- Photo and Video Import Software
- Mobile device Photo/Video Acquisition
- Outside Images Import Software
- Electronic Image Exchange Integration
- EMR Integration

EI Applications (Vended)
- VNA
- Mobile Image Viewer
- Electronic Image Exchange
- Image Routing and Coercion

Enterprise Imaging IT Department
- Sr. Project Manager
- Project Managers (2)
- IT Team Leads (3)
- IT Developers
- Support and Implementation
- Imaging Architect

Radiology Governance Leadership

Close Interaction
Same IT Section

Radiology Imaging IT Department