

CE-IT Community

A Clinical Engineering/IT Collaboration

SPONSORED BY



CE-IT Community Working Group Updates April 1, 2010

Working Group 1—Infrastructure & Wireless

Coordinating Organization: HIMSS

Contact: Christel Anderson, canderson@himss.org

Project: Expand stakeholder listing and participation to include IT vendors.

Status: In progress, staff liaison is the lead. Once additional stakeholders have been identified to participate, next call will be scheduled.

Project: Develop a framework to define the technical specs for a medical grade network, including wireless.

Status: In progress, the deliverable will address the following concepts:

- identifying messaging for the public/industry
- pros and cons
- criteria
- validation
- maintenance “off line”, connectivity loss
- end user expectation of reliability/notice of connectivity loss/clinician trust
- intended uses
- security
- “usability” of infrastructure
- data needs
- reality vs. conceptual
- access points
- has integration been proven?
- Joint Marketing Document – there is a wealth of *marketing* information out there, just needs to be “surfaced”
- Assessment

Project: Develop a whitepaper comparing the benefits and risks of wireless medical devices.

Status: In progress, next steps to address potential audience. There is a lot of variation between sites, care settings and within other disciplines.

Project: Develop a whitepaper comparing the benefits and risks of putting wireless devices on an isolated infrastructure vs. a shared enterprise infrastructure.

Status: Exploring feasibility of developing and successfully executing

CE-IT Community

A Clinical Engineering/IT Collaboration

Working Group 2—Integration

Coordinating Organization: AAMI

Contact: Patrick Bernat, pbernat@aami.org

Project: Examining impact of software maintenance in the hospital setting

Status: Issue identified, specific deliverable(s) to be determined

Project: Questions hospitals can ask IT vendors with respect to integration: 2nd Matrix

Status: Project identified, work to begin

Project: Device integration with EMR: How can CE & IT work together to meet the challenges surrounding this issue?

Status: Issue identified, specific deliverable(s) to be determined

Project: Webinar on questions hospitals can ask device vendors with respect to integration (Guidance on using the 1st CE-IT Community Matrix)

Status: To be scheduled

Project: Questions hospitals can ask device vendors with respect to integration (1st CE-IT Community Matrix)

Status: Published

Project: Catalog of published documents, references, and other resources related to medical device integration

Status: Published

Working Group 4—Collaboration

Coordinating Organization: AAMI

Contact: Patrick Bernat, pbernat@aami.org

Project: Webinar on improving communication between CE and IT departments

Status: Webinar developed; to be rehearsed on April 7, 2010.

Project: Development of job descriptions/outlines of necessary skill sets for hybrid CE/IT technology support specialists

Status: Group has begun gathering and reviewing existing job descriptions

Project: Catalog of published documents, references, and other resources related to medical device integration

Status: Published

Project: Getting IT vendors to be more responsive

Status: Issue identified; specific meeting or other communication to be determined

Project: Hospital questionnaire on CE-IT convergence in healthcare facilities

Status: Questionnaire developed, ready for dissemination

CE-IT Community

A Clinical Engineering/IT Collaboration

Project: Guidance document on how to assign “first call” responsibilities for healthcare networking issues

Status: Published

Working Group 5—Risk Management Coordinating Organization: ACCE

Contact Steve Grimes, stephen.grimes@techmed.linccs.com

Proposed deliverables

- ✓ Toolkit/guidelines that enable providers to apply effective risk management processes ... including use of
 - risk management elements & process for medical technology defined
 - Failure mode effects analysis (FMEA)
 - Ishikawa "cause & effect" diagrams
 - Risk matrixes (severity vs probability)
 - Appropriate roles/responsibilities (e.g., clinical systems engineer = medical IT risk manager)
 - Sample assurance cases using above elements
 - other
- ✓ Bibliography of material (includes both directly related presentations & publications as well as supporting material that shows precedents in healthcare & other industries)

Actions

- Workgroup recognized that best opportunity to yield toolkit/guidelines that would achieve widespread adoption by industry would be to insure these deliverables with similar materials under development by Technical Group developing TR on Risk Management for IEC 80001-2. Workgroup proposed liaising with the committee developing IEC 80001-2 Risk Management TR. Grimes & Schrenker joined core RM committee to insure WG5 has voice on committee and that material under development by the 80001-2 RM committee gets back to WG5 to insure this workgroup’s material is consistent. Schrenker recently returned from face-to-face 80001-1 meeting in Frankfurt and reported to WG5 at last meeting on 3/4/10. Grimes has joined by Risk Management & Security core committees for 80001-2 and has participated in several conference calls ... and will be attending next face to face 80001-2 meetings in Boston.