



2010



THE HEALTHCARE ENVIRONMENT


MEDICAL EQUIPMENT MANAGEMENT

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SCORING SUMMARY

- ▶ Three point scale
 - 2 is fully compliant
 - 1 is partially compliant
 - 0 is not compliant at all
- ▶ Two Scoring Categories
 - A is pass / fail
 - C is based on observations
 - 10 observations
 - $\geq 90\%$ = 2 (compliant)
 - 80% = 1 (partial)
 - ≤ 70 = 0 (noncompliant)

SII MEDICAL EQUIPMENT (EC.02.04.03)



EP 2 The hospital inspects, tests, and *maintains all life support equipment*. These activities are documented. **A, 3, D**

EP 3 The hospital inspects, tests, and *maintains non-life support equipment* identified in the medical equipment inventory. These activities are documented

C, D

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SCORING SUMMARY

- ▶ Three point scale
 - 2 is fully compliant
 - 1 is partially compliant
 - 0 is not compliant at all
- ▶ Two Scoring Categories
 - A is pass / fail
 - C is based on observations
- ▶ Criticality Based
 1. Immediate Threat to Life
 2. Adverse Decision
 3. Direct Impact
 4. Indirect Impact

HUMAN FACTOR




- ▶ Trust
- ▶ Report
- ▶ Improve




Communication

LESSONS LEARNED FROM 2009

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- ▶ Scope issues
 - ❑ Contamination issues
 - ▶ Alarm Hazards
 - ❑ Disabled or otherwise compromised
 - Telemetry
 - Infusion pumps
 - ▶ Surgical Site Fires
 - ❑ Sentinel Event Alert
 - ▶ MRI Safety
 - ❑ Magnetic field risk

SII MEDICAL EQUIPMENT (EC.02.04.03)



4 The *hospital* conducts performance testing of and maintains all sterilizers. These activities are documented.

A, 3, D

5 The *hospital* performs equipment maintenance and chemical and biological testing of water used in hemodialysis. These activities are documented.

A, 3, D

TIME DEFINED



For the Healthcare Environment the Joint Commission has defined time in the **Introduction** of the EC chapter:

- ❑ Daily, weekly, monthly and quarterly are calendar references
- ❑ Semi-annual is 6 months from last occurrence +/- 20 days
- ❑ Annual is 12 months from last occurrence +/- 30 days

DEFIBRILLATORS: FAQ



Q. Are defibrillators considered life support equipment?

A. YES.

- ▶ Maintenance activities then must be identified for equipment on the inventory
- ▶ A maintenance strategy for defibrillators could include a range of activities from a visual inspection of the single-use AED (automatic external defibrillator) to the daily testing of a defibrillator in clinical use settings based on organization policy

Note: the daily and weekly observations are assessed as per policy

2010 EMERGENCY MANAGEMENT SURVEY PROCESS UPDATE



- ▶ A methodology change from response to mitigation and preparedness.
- ▶ Emergency Management will now have its own 90 minute session

Mitigation

Preparedness

Response

Recovery

PRE-SESSION DOCUMENTS



Emergency Operations Plan

- ❑ All hazards approach
- ❑ Addresses the six critical areas
- ❑ Inventory of resources and assets

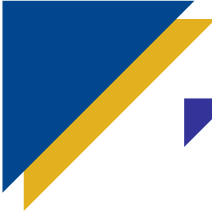
▶ Hazard Vulnerability Analysis (HVA)

- ❑ Mitigation and preparedness activities for the top 2 or 3 events


▶ Disaster drill and real event evaluations

- ❑ Monitors and evaluates the six critical areas

OVERVIEW OF THE 2010 EM CHANGES

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- ▶ Stand alone EM session
 - Up to 90 minutes
 - ▶ Focus on mitigation and preparedness
 - ▶ No disaster scenarios; use hospital disaster critiques
 - ▶ Focused discussion on six critical areas
 - Communication
 - Safety & Security
 - Utilities
 - Resource & Assets
 - Staff Response
 - Patient Care
 - ▶ Look at resources and assets inventory; appropriate storage, expirations, training

SURVEY PROCESS

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- ▶ Review Medical Equipment Management Plan (MEMP)
 - ▶ Evaluate based on MEMP
 - ❑ New equipment acquisitions
 - ❑ New equipment inspections
 - ❑ Evaluate life support devices
 - ❑ Evaluate non-life support devices
 - ▶ Evaluation with users as well as maintainers
 - ❑ Users: satisfaction
 - ❑ Maintainers: Maintenance strategies


SII MEDICAL EQUIPMENT (EC.02.04.01)




3 The hospital identifies the activities for maintaining, inspecting and testing for all medical equipment on the inventory.

Note: hospitals may use different strategies for different items as appropriate. For example, strategies *such as* predictive maintenance, **reliability-centered maintenance**, interval-based inspections, corrective maintenance, or metered maintenance may be selected to ensure reliable performance.

SII MEDICAL EQUIPMENT (EC.02.04.01)

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- 4 The hospital identifies frequencies for inspecting, testing, and maintaining medical equipment on the inventory based on criteria *such as* manufacturers' recommendations, risk levels, or current hospital experience. (See also EC.02.04.03 EP 2 & 3)

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QUESTIONS?

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