



Systems Engineering Concepts Applied to a Hospital Emergency Department

Outbrief

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Outbrief: SE Concepts Applied to a Hospital Emergency Department



- **Workshop goals**

- Gather direction and feedback to the HWG on how INCOSE can best contribute to improving Emergency Departments?

- **Workshop outline**

- Session 1 – Stakeholders & Stakeholder Perspective
- Session 2 – Systems Engineers & SE Perspective
- Session 3 – System Simulation Users & Perspective

- **Key guidance**

- Analyze stakeholders and the value proposition for each
- Include the people and cultural aspects in the systems engineering approach
- Generalize SE products to analyze nominal and “expected variation”
- Path forward/key technical challenges and opportunities:
 - Device interop
 - Cybersecurity
 - Healthcare IT and data interoperability

The Healthcare Working Group and MBSE Challenge Team will be developing a plan to execute on the guidance received