Unifying System Safety Engineering through

the Hazard Management Platform

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**Abstract**

Safety-critical systems are becoming increasingly common and more powerful. While industry continues to face corporate challenges such as; competitive marketplaces, schedule constraints, outsourcing of technical activities and cultural differences, including engineering standards that are too general and difficult to implement.

Therefore, the hazard management activity becomes a fundamental element of the safety certification process and one that continues to present significant challenges with respect to system complexity, system design, maintenance and operations.

In this presentation, we will look at: lessons learned, the financial impact that safety oversights can have on a company, integrating the system safety and V&V process, system stakeholders’ collaboration to achieve acceptable levels of safety and integrating the results in the program hazard log using a MIL-STD-882E based hazard management platform.