

# **A NOVEL APPROACH TO ASSURANCE DRIVEN DESIGNING FOR MISSION CRITICAL SOFTWARE SYSTEMS**

A

**SYNOPSIS**

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design and revision of guidelines; " as a reference in safety cases and demonstrations of safety of software based systems; " as guidance for manufacturers and major I&C suppliers on the international market. 9. Document Structure. After this publication, the task force continued to work on important licensing aspects of safety critical software that had not yet been addressed. At the end of 2005 when the NRWG was disbanded by the EC, the task force was invited by the Western European Nuclear Regulators' Association (WENRA) in 2007 to pursue and complete a revision of the report. Safety critical software Scrum Safescrum IEC61508 Quality assurance. Download conference paper PDF. 1 Introduction. Scrum was initially designed for small development projects with small self-managed teams, solving small-scale problems. Research from the past decade provides examples that this works well and that Scrum projects are more effective and flexible than plan-driven projects [4]. However, the trend in the software industry today is that Scrum is being used in increasingly more complex settings. Inherent in the plan-driven approach to software development is the idea that all requirements are known at the start of the project. With faster innovation, more rapid requirement changes, and more volatility allowed in the prioritized tasks, this idea is void.