

Requirements Management for Safety Critical Systems Engineering

About the course and intended audience

This course is intended for validation engineers, systems engineers, project and R&D managers working in regulated and safety critical businesses, where legal and normative constraints play a central role for market access, and where product liability is determined in the extent these development efforts have adhered to these criteria. Most importantly of course, the topic is safety and how Requirements Management plays a vital role as part of design assurance, such as in FDA, EN50128, ISO 26262 IEC 15288/12207, or 61508 based systems engineering processes.



The course is based on an analysis of a large number of standards and guidelines applied for safety critical systems engineering, and which criteria these standards lay upon Requirements Management. In majority of cases, these standards are to be strictly adhered to in these regulated businesses, and in some cases carry even a legal compliance status. This means, the topics addressed in this course are very real and acutely relevant for those working in these regulated branches.

About course instructor



Dr Sam Lund has long background in safety critical systems, and has worked personally for providing solutions for Requirements Management with product validation and market entry in focus, including engineering and regulatory processes. This means his approach is not dominated by normative topics, but includes a very pragmatic hands-on view to the topics on a real-world Requirements Engineering basis. Dr Lund is one of the longest standing experts and consultants in Requirements Management with DOORS, the leading tool used in this domain space.

Course contents

1 day course on Requirements Management includes walk through of general outline of practices in Requirements Management, followed by extensive dive into the specific due diligence areas for establishing compliant systems engineering practice for relevant regulatory frameworks. These due diligence criteria will be also provided as a document listing the specific requirements and criteria on Safety Critical Requirements Management.



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