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Titolo	The AI Act and The Agile Safety Plan / / by Thor Myklebust, Tor Stålhane, Dorthea Mathilde Kristin Vatn
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
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Descrizione fisica	1 online resource (XI, 156 p. 16 illus., 13 illus. in color.)
Collana	SpringerBriefs in Computer Science, , 2191-5776
Disciplina	005.1
Soggetti	Software engineering Risk management Data protection Computers Software Engineering IT Risk Management Data and Information Security Hardware Performance and Reliability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction to the Book -- 2. The Agile Safety Plan -- 3. Definition of the System, Operational Design Domain, and Concept of Operation -- 4. Hardware/Chip -- 5. Software and Data -- 6. Artificial Intelligence (AI) -- 7. Stakeholders and Organizations -- 8. Compliance with Regulations, AI and Functional Safety Standards -- 9. Planning Tests, Analysis, Scenarios, Verification, Validation, and Regression -- 10. Software and AI Lifecycles -- 11. Tools, Programming Languages, and Pre-existing Software -- 12. Hazards and Risks -- 13. Requirements -- 14. System Design Plan -- 15. Documentation, Information, and Work Products -- 16. Human Aspects -- 17. Level of Automation and Autonomy -- 18. A Process to Prepare Safety Cases -- 19. Procurement and Subcontractors.
Sommario/riassunto	This open access book aims to provide the reader with some basic insight into the AI Act (REGULATION (EU) 2024/1689) and its relevance

for the development of high-risk AI systems. It covers all aspects relevant in a safety plan that should serve as the foundation for developing future safety cases for AI safety systems. The topics include e.g. the system definition; hardware, software and its lifecycles; stakeholders and organizations; tools, programming languages, and existing software to be integrated; documentation and work products; procurement and subcontracting; and human aspects. The book aims at experts and stakeholders involved in developing high risk systems, both manufacturers and operators. It is also written for everyone having an interest in how the AI Act impacts technology development processes generally. As such, especially start-ups and small and medium-sized enterprises (SMEs) will find this book useful.

2. Record Nr. UNINA9911019987103321

Autore

Fitzpatrick Faith A.

Titolo

Geomorphic Processes and Riverine Habitat

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Soggetti

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