



Industrial Communication Protocol Engineering using UML 2.0

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Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Concepts and approach | The engineering of communication protocols is quite difficult and a complex task, as it demands good experience in the field of protocol and system design, implementation, testing, optimization and maintenance of such protocols. In most cases, these protocols are described using informal techniques like informal textual documentations, graphical description techniques, and structural analysis and design. As proven in practice, these lead to ambiguous definitions and lack of definitions because completeness, and consistency cannot be proved. The advent of Unified Modeling Language version 2.0 (UML 2.0) along with its UML Testing Profile (U2TP) in the recent years, promises to be a major breakthrough in the field of formal description techniques. Thus, this work evaluates the suitability of UML 2.0 combined with its Testing Profile for engineering communication protocols using a case study. For experimental case study, this work uses a simple and the most commonly known INRES (Initiator - Responder) protocol. This book is expected to serve as a good starting point for learning UML 2.0 and protocol engineering. | Format: Paperback | Language/Sprache: english | 120 gr | 76 pp.



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