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Systèmes intelligents de transport — Usage de UML pour définir et documenter les interfaces ITS/TICS

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Foreword

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Introduction

ISO 14817 specifies the formats and procedures used to define information exchanges within the ITS/TICS sector. Such information arises through the development of the architecture for a particular application standard and the subsequent specification of the detailed data concept instances that arise in association with the architecture's interfaces. This Technical Report illustrates the steps involved in such development.

In the development of standards, it is often the case that working groups have a well-formed perception of the conceptual context within which their standard is to be applied. This is the case because many standards are the result of a refinement and consensus of requirements based on recent practice. The formal process for the identification of the requirements is streamlined to capitalize on this available body of knowledge.

For completeness, we begin with the capture of requirements. These requirements need be only those which directly affect the standard. The context of a real-world system that incorporates the standard would include a much wider range of requirements; however, we are focusing on that aspect of standards which produces data elements and other concept instances which will be registered in a data dictionary or registry. The methodology is derived from processes used in the development of software-intensive systems.