

Early Identification, Specification and Measurement for Data Definition and Database Requirements

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Abstract— The European ECSS series of standards for the aerospace industry includes data definition and database requirements as one of sixteen types of non functional requirement (NFR) for embedded and real time software. A number of data definition and database related concepts are dispersed throughout the ECSS standards to describe at varying levels of details the various types of candidate data definition and database requirements at the system, software, and hardware levels. This paper organizes these dispersed data definition and database concepts into a generic standards-based reference model of system data definition and database requirements.

Keywords- Software Engineering, Non functional requirement (NFR), Data definition and database Requirements, ECSS International Standards.