

This paper presents an integrated standards-based model that helps in early identification, specification and measurement for a single type of NFR, which is the performance requirement. The development stages of the standards-based framework have passed by two main steps: the first step is constituted in identifying and analyzing the system performance requirements and their allocated software performance requirements that are dispersed into the IEEE and ECSS international standards, the second step is modeling the identified system/software performance requirements using the Soft-goal Interdependency Graphs and clarifying the interdependency relations between these requirements.

Keywords— Performance Requirements, International Standards, Soft-goal Interdependency Graphs.