

Quantifying Systems Engineering Reuse - A Generalized Reuse Framework in COSYSMO

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Abstract. This paper further elaborates a generalized reuse framework for systems engineering reuse previously published and defines two interrelated reuse processes - development for reuse (DFR) and development with reuse (DWR). It proposes a quantitative approach for assessing such a reuse effort by defining a set of reuse categories for both the DFR and the DWR processes and by extending the model definition and cost estimating relationship of COSYSMO, a systems engineering cost model.