

Jared Fortune, “Estimation Methods for Systems Engineering Reuse”

Systems engineering reuse is the utilization of previously developed systems engineering products or artifacts such as architectures, requirements, and test plans across different projects. Such reuse is intended as a means of reducing development cost, project schedule, or performance risk, since reusing products or artifacts may result in some systems engineering activities not having to be repeated. This paper will provide an overview of systems engineering reuse and recent developments with the Constructive Systems Engineering Cost Model (COSYSMO) to estimate the effect of reuse on systems engineering effort.