



# *Systems Engineering Forum*

## Virtual Series

### **Model Based Mission Assurance and Flight Worthiness (MBMA & FW)**

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**Abstract:**

The space community defines Mission Assurance (MA) as the disciplined application of proven scientific, engineering, quality, and program management principles towards the goal of achieving mission success. Similarly, the air community defines Flightworthiness (FW) as being in proper physical or mechanical condition for safe flight. In both cases, mission success is measured by the system's ability to meet both specified performance requirements and expectations of users and operators in terms of safety, operability, suitability, and supportability. This presents the results from a workshop with the goal of sharing lessons and identifying opportunities for future collaboration as programs migrate from traditional document-based MA/FW practice to model-based practice. Government organizations presented current MBMA/FW strategies, approaches, processes, and techniques as applied to their system acquisitions.