

Presentation Abstract

Presentation Title	IV&V ISS UPA and CDRA simulator development
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Presentation Abstract	<p>IV&V developed the UPA and CDRA low cost simulators to supplement analysis activities and as an education project for interns. These simulators are focused on ISS subsystems with a relatively low number of requirements. The simulators were developed to supplement missing or incomplete artifacts (such as design documents), gain system understanding, and uncover failure scenarios. The simulators were developed using MatLab Simulink and include a model to emulate the system software behavior, an environment or plant model, and a user interface. The presentation also demonstrates a WPA simulator developed by Hamilton Sundstrand that includes an elaborate user interface.</p>