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COSMIC-2 is a follow on of the successful COSMIC-1 mission launched in 2006. COSMIC-2 is a 12 satellite constellation that will provide operational and research users with the next-generation Global Navigational Satellite System Radio Occultation (GNSS-RO) data. Radio Occultation data is collected by measuring the changes in a radio signal as it is refracted in the atmosphere, allowing measurements of the physical properties (temperature and moisture) of the atmosphere to be taken. The 1st 6 satellites (C2A) are nearly ready for launch. In preparation for the System Pre-Ship Review in Taiwan, the team is going thru verification of requirements and validation of the system. This presentation will walk thru the joint verification and validation plan. Verification shows that the system complies with requirements. The Verification plan is in place, being executed, with Verification Testing complete. Validation shows that the System functions as expected when placed in the intended environment. This paper will additionally walk thru the planned and current testing exercises (e.g. team training and demonstration of readiness), and walk thru of various validation tests (e.g. System End to End Test, NSPO End to End Test, Day in the Life test all work the team and the system).
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