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Integration and Test for Small Shuttle Payloads

By Michael R. Wright

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 22 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. Recommended approaches for shuttle small payload integration and test (I and T) are presented. The paper is intended for consideration by developers of small shuttle payloads, including I and T managers, project managers, and system engineers. Examples and lessons learned are presented based on the extensive history of the NASAs Hitchhiker project. All aspects of I and T are presented, including: (1) I and T team responsibilities, coordination, and communication; (2) Flight hardware handling practices; (3) Documentation and configuration management; (4) I and T considerations for payload development; (5) I and T at the development facility; (6) Prelaunch operations, transfer, orbiter integration, and interface testing; and (7) Postflight operations. This paper is of special interest to those payload projects which have small budgets and few resources: That is, the truly faster, cheaper, better projects. All shuttle small payload developers are strongly encouraged to apply these guidelines during I and T planning and ground operations to take full advantage of today's limited resources and to help ensure mission success. This item ships from La Vergne, TN. Paperback.



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