

55th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE
ACTIVITIES (D5)

Quality and Safety, a challenge for all in Space (1)

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IMPLEMENTATION OF THE SATELLITE SUBSYSTEM AND SYSTEM TEST DOCUMENTATION
USING WEB-BASED APPLICATION SOFTWARE**Abstract**

Satellite subsystem and system testing documentation is one of important role in a space program, this document can be used as a reference for the next satellite development, it can even be used as source for evaluation and iteration of ongoing satellite development. The testing process carried out by engineers needs to be documented. The documentation is not enough to write in the test worksheet because some things appear visually that need to be recorded. The recording of testing activities can do electronically. This paper describes the implementation of the satellite system and subsystem test documentation to be easily analyzed and evaluated. This test documentation system is part of the implementation of the information contained in the standard configuration management (CM) and information/documentation management (IDM) ECSS-M-ST-40C. Documentation of this test activity is a continuation of the development of the Satellite Development Documentation Software (SDDS) application, development using the PHP programming language with MySQL as the database. Apache webserver which is used as a server engine and internet access makes this application accessible anywhere and anytime. The features of this test documentation application can record descriptions, take pictures and videos from the camera, add diagrams, and add files.