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**Title: COMBINED ALTITUDE TEMPERATURE AND HUMIDITY TESTING OF THE SOLID STATE FLIGHT DATA RECORDER (SSFDR) FOR THE SU-30 MKI AIRCRAFT**

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**Abstract :**

The Solid State Flight Data Recorder (SSFDR) unit was subjected to CATH test in a Combined Altitude, Temperature and Humidity chamber. This unit was developed by M/s SLN Technologies Pvt Ltd Bangalore, for SU-30 MKI Aircraft to HAL, Korwa. This unit has three LRU's namely, 1. Data Acquisition Unit (DAU), 2. Recorder Unit (RU) and 3. Control & Indication Unit (CIU). The CATH test was done as per MIL-STD 810F, Method 520.2. After conditioning, the functional test was carried out by the firm and the unit was handed over to the firm.