

Title: HW/SW architecture implications in relation to CFDP and file system operation

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Abstract:

For several years now, Airbus Defense and Space (ex Astrium) has been working on SSMM architectures supporting file systems and transfer protocols. CFDP is the leading candidate for supporting reliable file transfers over unreliable communication links e.g. for deep space missions and EO Satellites using Ka-Band systems. This presentation discusses the implications of using file systems and CFDP in SSMM architectures and the resulting consequences for HW/SW partitioning.