

Space Link Security - Cryptographic Processor

Marco Rovatti

TEC-EDD

ESA UNCLASSIFIED - For Official Use



European Space Agency

Title of Presentation

- *Budget: 700 KEuro*
- *Duration: 4 years*
- *Prime: Airbus Defence and Space*
- *Main Objectives:*
 1. To identify a security concept covering the specific needs of the Spacecraft TT&C Link
 2. To develop and test a breadboard (BB) model for an on-board Cryptographic Processor
 3. To develop, verify and validate a CCSDS 355.0-B-1 Cryptographic Processor IP Core to be reused on ESA Programmes;
 4. To achieve a Security-Evaluation-Ready CP IP Core data package;