

PUS-C Library for TEC Software Lab CCN1 - Abstract

The main focus of the PUS-C Library for TEC Software Lab CCN1 activity was the consolidation of the LibPUS-C library developed in the previous project phase and improvement of EagleEye CSW v7 with the following items:

- Integration of a File Management System (FMS);
- Connection of the PUS service 23 to the FMS;
- Implementation of a File Based Packet Store to be integrated into EagleEye CSW;
- Connection of PUS service 15 to the File Based Packet Store;
- Implementation of download/upload method to transfer files to/from EagleEye to/from Ground;
- Integration of an OBCP based on a MicroPython engine, provided as a CFI form the Agency, into EagleEye CSW;
- Connection of PUS service 18 to the OBCP.

The main outcome of the project was to have a consolidated LibPUS-C library, File Management System and File Based Packet Store integrated into EagleEye CSW v7.