



OpenSAND : Satcom Emulator

OpenSAND, formerly known as Platine is a satellite emulation testbed initially developed during the SATIP6 project. Secondly, the development has been continued in the frame of the SATSIX project. SATIP6 and SATSIX are both European **IST** projects. Finally, several CNES R&T studies have contributed to the enhancement of the testbed together with internal Thales Alenia Space R&D effort.

The OpenSAND project is now released under free licenses and the emulation testbed is mainly maintained by the collaboration work of Viveris Technologies, Thales Alenia Space and CNES.

OpenSAND emulates the main features of a SATCOM system, and has been inspired from the DVB-S2/RCS2 standards.

Manuals

This section presents the documentation of OpenSAND v5.2

- [Installation manual](#)
- [Legacy User manual](#) : to run with Manager and Collector to control/monitor OpenSAND
- [Compilation manual](#) ([advanced](#))

Advanced Manuals

- [Minimal CLI User manual](#): to manually run OpenSAND (without Manager and Collector)
- [OpenSAND Configuration manual](#): to manually make OpenSAND configuration : opensand configuration and network around.

OpenSAND Emulated Satcom features

A [Satcom System overview](#) is provided to better understand OpenSAND's features. [OpenSAND emulated Satcom features](#) are splitted in:

- [System](#)
- [Network](#)
- [Access](#)
- [Physical](#)

OpenSAND Testbed description

This section describes how OpenSAND works as a testbed and which features it provides to simplify the platform management and data analysis

The [OpenSAND testbed description](#) is splitted in:

- [Core](#)
- [Management](#)

Support

This section regroupes the [F.A.Q.](#) and the [Troubleshooting](#).

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