

CSA Agency Report

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Resources

CSA provides the following resources:

Philip Melanson (SM+C)	0.1PY
Shen-En Qian (Image data compression)	0.1PY

In addition Marc Blanchet (Viagenie Inc.) is the SANA Working Group Chair which he currently does on a best effort basis. Efforts will be made to secure funding for Viagenie to host SANA services and infrastructure in addition to his participation in the SANA WG. Such funding is not certain at this time and would likely not become available before November 2008 at the earliest.

Missions and CCSDS Protocols

Below is a table of CSA missions that are currently in operation or in development and their use of CCSDS protocols.

Mission	CCSDS Standard
Radarsat1 (1995)	none
Scisat (2003)	CCSDS 200.0-G-6 Telecommand Summary of Concept and Rationale, Green Book Issue 6, January 1987
Radarsat2 (2008)	
Cassiope (2009)	CCSDS 201.0-B-2 Telecommand Part 1 Channel Service Architectural Specification, Blue Book Issue 2, November 1995
NEOSSat (2010)	
M3Msat (2010)	CCSDS 202.0-B-2 Telecommand Part 2 Data Routing Service, Blue Book Issue 2, November 1992
	CCSDS 202.1-B-1 Telecommand Part 2.1 Command Operation Procedure, Blue Book Issue 1, October 1991
	CCSDS 203.0-B-1 Telecommand Part 3 Data Management Service Architectural Specification, Blue Book Issue 1, November 1986
	CCSDS 101.0-B-4 Telemetry Channel Coding, Blue Book Issue 4, May 1999
	CCSDS 102.0-B-4 Packet Telemetry, Blue Book Issue 4, November 1995
	CCSDS 103.0-B-1 Packet Telemetry Services, Blue Book Issue 1, May 1996
Fine Guidance Sensor / James Webb Space Telescope (2013)	TM / TC (on-board only)
	CCSDS 102.0-B-5 Consultative Committee for Space Data Systems (CCSDS) Recommendation For Space Data System Standards - Packet Telemetry
	CCSDS 201.0-B-3 CCSDS Recommendation For Space Data System Standards –

	Telecommand, Part 1, Channel Service
	CCSDS 202.0-B-3 CCSDS Recommendation For Space Data System Standards – Telecommand, Part 2, Data Routing Service
	CCSDS 203.0-B-2 CCSDS Recommendation For Space Data System Standards – Telecommand, Part 3, Data Management Service, Architectural Specification
	ECSS-E-50-12A ECSS Space Engineering SpaceWire - Links, Nodes, Routers and Networks (JWST-REF-002664)
Support to other agencies	
Helios1B (CNES)	TM / TC
Helios2A (CNES)	
Envisat (CNES)	
Helios2B (CNES)	
Ariane5 (Envisat and H2A launches, CNES)	TM
SAR-LUPE 1,2,3,4 (DLR)	TM / TC, SLE
Terrasar (DLR)	TM / TC, SLE
SRE (ISRU)	TM / TC
Future support	
Helios2B (2009, CNES)	TM / TC
Pleiades (2010, CNES)	TM / TC, SLE
SAR-LUPE 5 (2008, DLR)	TM / TC, SLE