


# EDDS GLOSSARY

## GLOSSARY

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<b>Abstract</b>			
The glossary containing the reference and applicable documents as well as acronyms and terms used within the documentation for the GNSS Advanced Monitoring Element (GAME).			

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2.3	2012-04-04	Updated for EDDS v1.1.1i2
2.4	2012-06-27	Updated for EDDS v1.1.2i1
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2.8	2013-03-21	Updated for EDDS v1.2.1i1
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# 1. Introduction

## 1.1 Purpose

This document is the Glossary of the EGOS Data Dissemination System (**EDDS**) component, containing the definition of the applicable and reference documents, as well as the acronyms and terms applicable to the system.

The intended readership is the EDDS system architects, developers and technical officer.

## 1.2 Scope

The role of this glossary document within the EDDS SWRR set of documentation is illustrated below.

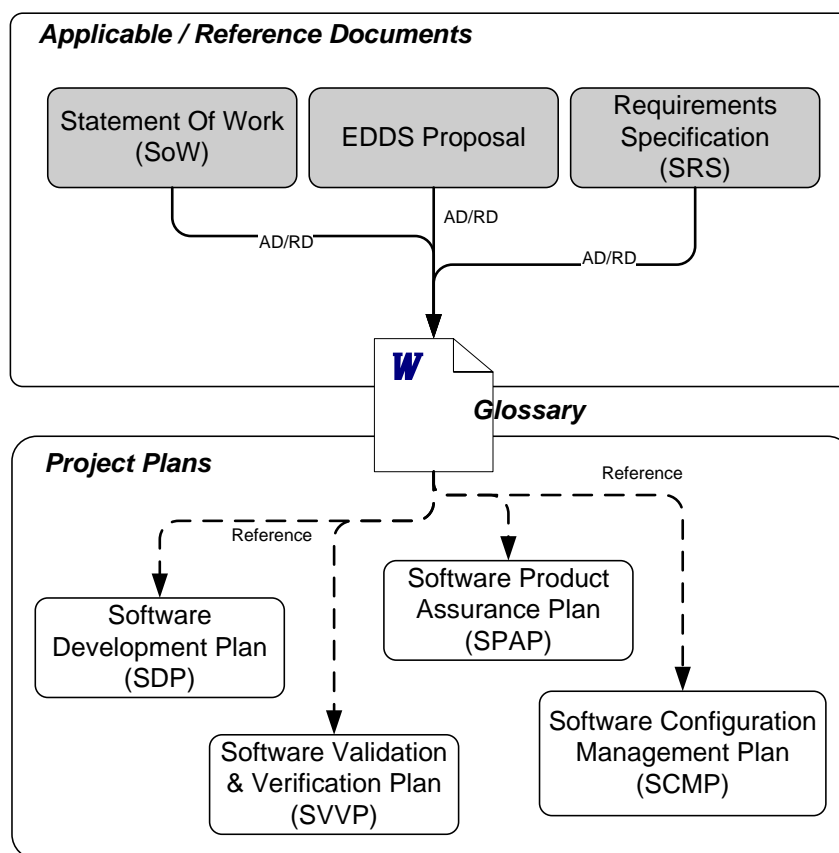


Figure 1: SWRR Document Package

The glossary is referenced by all other documents.

## 1.3 Document Overview

The document follows the SETG standard. The document thus consists of the following sections;

**Section 1 'Introduction'**, defined the scope and purpose of the document.

**Section 2 'Applicable Documents'**, defines the documents applicable to the project.

**Section 3 'Reference Documents'**, defines the documents referenced within the project.

**Section 4 'Acronyms'**, defines the acronyms used within the project.

**Section 5 'Terms'**, describes the terms of the project.

## 2. Applicable Documents

Id	Title	Reference	Ver.	Date
[SETG]	Tailoring of ECSS Software Engineering Standards for Ground Segments: <a href="#">Part A: Software Engineering</a> <a href="#">Part B: Product Assurance and Management</a> <a href="#">Part C: Documents Templates</a> <a href="#">Part D: Traceability against ECSS standards</a>	ESA - BSSC 2005(1)	1.0	01.06.05
[SOW]	EDDS Statement of Work	EGOS-GEN-EDDS-SOW-1001	1.1	13.01.09
[SRS]	EDDS Software Requirement Specification	EGOS-GEN-EDDS-SRS-1001	16.0	05.05.17
[SPAP]	EDDS Software Product Assurance Plan	EGOS-GEN-EDDS-SPAP-0001	1.1	18.01.10
[SDP]	EDDS Software Development Plan	EGOS-GEN-EDDS-SDP-0001	1.1	18.01.10
[SCMP]	EDDS Software Configuration Management Plan	EGOS-GEN-EDDS-SCMP-0001	1.1	18.01.10
[E-SCMP]	ESOC Software Configuration Management Plan	EGOS-GEN-GEN-CMP-1001	1.1	09.08.07
[E-3PP]	EGOS Preferred 3rd Party Products	EGOS-GEN-GEN-TN-1001	1.2	20.12.06
[GDS]	GDS Frame Contract Statement Of Work	OPS-GDS-SOW-0001	1.0	24.06.04
[EGGS-SRS]	<a href="#">EGOS Generic Ground Systems: Development Requirements Specification</a>	EGGS-ESOC-GS-SRS-1001	3.0	18.02.09
[EGGS-SCD]	ESOC Generic Ground Systems: System Configuration Baselines: Part 3- Baseline Definitions	EGGS-ESOC-GS-SCD-1002	1.3	04.08.11
[E-DOT]	EGOS Template Guidelines	EGOS-GEN-GEN-TN-0010	3.0	01.11.07
	CIG Template Guidelines	EGOS-GEN-GEN-TN-0020	3.0	01.11.07
	SRN Template Guidelines	EGOS-GEN-GEN-TN-0021	3.0	01.11.07
	ICD Template Guidelines	EGOS-GEN-GEN-TN-0030	3.0	01.11.07
	ADD Template Guidelines	EGOS-GEN-GEN-TN-0040	3.0	01.11.07
	OUM Template Guidelines	EGOS-GEN-GEN-TN-0050	2.0	27.10.06
	EGOS Template Guidelines	EGOS-GEN-GEN-TN-0060	3.0	01.11.07
	SRD Template Guidelines	EGOS-GEN-GEN-TN-0070	2.0	27.10.06
[ESP]	ESA security policy:			
	<ul style="list-style-type: none"> <li>Implementation Of The ESA Network Security Policy</li> </ul>	EISD-EPNS-00003	2.2	28.09.04
	<ul style="list-style-type: none"> <li>Implementation Of The ESA Network Security Policy for OPSNET</li> </ul>	DOPS-COM-POL-34555-OPS-ECT		
[BSSC-Java]	Java Coding Standards	BSSC 2005(2)	releaseA	03.03.05

[BSSC-XML]	Design & Style Guide for XML Data and Schema	BSSC 2004(3)	10	
[AD-06]	EGOS namespace conventions	Proposal for EGOS Namespace Convention	1.1	01.02.08
[AD-07]	Software Quality and Coding Rules	EGOS-QA-XX-TN-9007	1.4	01.12.06
[AD-08]	Quality Requirements In case of conflict between [AD-08], [AD-07] and [SETG], the latter has precedence.	GDS-FC-QA-RD-0010	1.1	30.03.07
[AD-08]	Validation Requirements	GDS-FC-QA-RD-0030	1.0 Draft C	03.07
[AD-09]	EGOS BI Reporting Framework MPR template	EGOS-STU-BIRF-TN-1002	1.0	19.03.08
[AD-10]	ESOC Generic Ground Systems: System Configuration Baselines: Part 1- Procedures	EGGS-ESOC-GS-SCD-1002	1.0	16.09.08
[AD-11]	ESOC Generic Ground Systems: System Configuration Baselines: Part 3 - Baseline Definitions	EGGS-ESOC-GS-SCD-1002	1.0.1	19.11.08
[AD-12]	EDDS External User Interface Control Document (EUICD)	EGOS-MDW-EDDS-ICD-1001	1.0	13.04.07
[AD-13]	Generic DDS – Interface Control Document RDM Image Transfer Control Files, GDDS-RDM ITCF ICD	EGOS-MCS-GDDS-ICD-1002	1.1	30.08.04
[AD-14]	SOC Generic Ground Systems (EGGS): Development Requirements Specification	EGGS-ESOC-GS-SRS-1001	1.1.1	31.10.08
[AD-15]	GDS frame contract: Quality requirements	GDS-FC-QA-RD-0010	1.0	07.06.04

Table 1: Applicable Documents

### 3. Reference documents

	Title	Reference	Ver.	Date
[RD-1]	EGOS BI Reporting Framework ICD	EGOS-STU-BIRF-ICD-1001	2.0	26.03.08
[RD-2]	Usage of Scrum in EDDS	EGOS-GEN-EDDS-SCRUM	1.0	21.10.10
[RD-3]	EDDS External User Interface Control Document	EGOS-GEN-EDDS-ICD-1001_EUICD	13.0	05.05.17
[RD-4]	Analysis of Web Services and PARC Enhancements to support EDDS	EGOS-MDW-EDDS-TN-1002	1.0	13.04.07
[RD-5]	Analysis of TDRS, WEBRM, GDDS and MUST for suitability of reuse in implementing EDDS	EGOS-MDW-EDDS-TN-1001	1.0	22.02.06
[RD-6]	Development Open Issues	EGOS-GEN-EDDS-TN-1001	1.0	13.04.07
[RD-7]	EGOS High Level Architecture EGOS Definitions and Recommendations	EGOS-GEN-GEN-SAD-1001 EGOS-GEN-GEN-TN-nnnn	1.0 Draft C	12.12.07 15.12.06
[RD-8]	DOORS User Manual	EGOS-SDE-VM-SUM-1001-RMF	1.0	04.02.08
[RD-9]	SCOS-2000 Technical Note - C++ Naming and Coding Conventions	S2K-MCS-TN-9003-TOS-GIC	1.2	04.08.05
[RD-10]	SCOS-2000 Technical Note - Generic Coding Conventions	S2K-MCS-TN-9004-TOS-GIC	1.1	22.10.03
[RD-11]	Java Coding Standards	BSSC 2005(2)	releaseA	03.03.05
[RD-12]	Design & Style Guide for XML Data and Schema	BSSC 2004(3)	10	
[RD-13]	METRO	<a href="https://metro.dev.java.net/">https://metro.dev.java.net/</a>		
[RD-14]	ESA XFDU web page	<a href="http://www.gael.fr/xfdu/site/">http://www.gael.fr/xfdu/site/</a>		
[RD-15]	Producer-Archive Interface Specification	Draft White Book		12.2005
[RD-16]	EGOS Data Dissemination System (EDDS) Concepts	EGOS-MCS-GDDS-TN-nnnn-i0r0	0.0 Draft C	26.09.05
[RD-17]	SCOS-2000 TM Data Retrieval Services SRD	S2K-MCS-SRD-0004-TOS-GIC	3.1	29.08.03
[RD-18]	Data Disposition System Software Requirements Document	EGOS-MCS-GDDS-SRD-5720	1.4	30.08.04
[RD-19]	WEB-RM User & Software Requirements Baseline	ESA/TOS-GIC	1.4	24.11.03
[RD-20]	MUST Repository ICD	No reference	1.0	
[RD-21]	MUST Rosetta Performance TN	No reference	1.1	
[RD-22]	MUST Server Software Requirements Specification	No reference	1.0	04-07-06
[RD-23]	MUST: Mission Utility & Support Tools, DASIA Paper 2005	No reference		
[RD-24]	XML Formatted Data Unit (XFDU) Structure and Construction Rules	WHITE BOOK		15.05.06
[RD-25]	EGOS High Level Architectural Design Document	EGOS-GEN-GEN-SAD-1001-i0r0	0.0 Draft C	15.05.05

[RD-26]	TDRS External Interfaces Control Document	S2K-MCS-ICD-0017-TOS-GIC	4.3	31.03.04
[RD-27]	Generic Data Delivery Interface Document (GDDID)	EGOS-MCS-GDDS-ICD-1003	1.2	30.08.04
[RD-28]	CCSDS Definition Cross Support Reference Model – Part 1, Space Link Extension Services	910.4-B-1	1.0	05.1996
[RD-29]	ESACERT information including Security Plan template and guidelines	<a href="http://forum.esacert.esa.int/guidelines.html">http://forum.esacert.esa.int/guidelines.html</a>		
[RD-30]	Implementation of the ESA Network Security Policy for OPSNET	DOPS-COM-POL-34555-OPS-ECT	2.3	09.11.07
[RD-31]	EDDS SDD	EGOS-GEN-EDDS-SDD-1001	13.0	05.05.17
[RD-32]	Analysis of Web Services and PARC, Enhancements to support EDDS	EGOS-MDW-TN-1002	1.0	13.04.07
[RD-33]	Analysis of TDRS, WEBRM, GDDS and MUST for suitability of reuse in implementing EDDS	EGOS-MDW-TN-1001	1.0	22.02.06
[RD-34]	MONITORING & CONTROL SCOS-2000 - SFM SERVICE ICD	EGOS-MCS-S2K-ICD-1004	6	07.11.08
[RD-35]	SYSTEM MANAGEMENT SCOS-2000 - SFM SERVICE ICD	EGOS-MCS-S2K-ICD-1005	5	07.11.08
[RD-36]	XML FORMATTED DATA UNIT (XFDU) STRUCTURE AND CONSTRUCTION RULES	CCSDS 661.0-B-1	Blue book	09.2008
[RD-37]	DARC ICD	EGOS-GEN-DARC-ICD-1001	2.0	06.06.14
[RD-38]	Software Design Document DARC	EGOS-GEN-DARC-SDD-1001	2.0	06.06.14
[RD-39]	SCOS-2000 R5.0 Full documentation set			
[RD-40]	SCOS-2000 R5.0 Build and Installation Re-Engineering Technical Note	EGOS-MCS-S2K-TN-1101		
[RD-41]	EDDS Upgrade Guide	EGOS-GEN-EDDS-EUG-1001	10.0	05.05.17

Table 2: Reference Documents



## 4. Acronyms

Acronym	Definition
AD	Applicable Document
AND	Alpha-Numeric Display
AR	Acceptance Review
ARES	Operational Data Off-Line Analysis, Correlation and Reporting System
ASCII	American Standard Code for Information Interchange
BSSC	ESA's Board for Software Standardisation and Control
CCN	Contract Change Notice
CCSDS	Consultative Committee for Space Data Systems
CDR	Critical Design Review
CFI	Customer Furnished Item
CPU	Central Processing Unit
COM	Component Object Model
CORBA	Common Object Request Broker Architecture
COTS	Commercial Off-The-Shelf
CTC	Cost To Completion
DARC	Data Archive
DBCP	Database Connection Pooling
DBMS	Database Management System
DCR	Document Change Request
DDID	Data Delivery Interface Document
DMZ	Demilitarized Zone
DVD	Digital Versatile Disc
ECSS	European Co-operation for Space Standardisation
EDDS	EGOS Data Dissemination System
EGOS	ESA Ground Operation System
EIP	Enterprise Integration Patterns
EJB	Enterprise Java Bean
ESA	European Space Agency
ESOC	European Space Operations Centre
EUD	EGOS User Desktop
EV	Event
FARC	File Archive
FAT	Factory Acceptance Test
FFP	Firm Fixed Price
FUP	Firm Unit Price
FTP	File Transfer Protocol
GDDID	Generic Data Delivery Interface Document
GDDS	Generic Data Disposition System
GEOS	Generic ESOC Operational Systems
GRD	Graphic Display
GNU	GNU's Not Unix
GZIP	GNU Zip
HCI	Human-Computer Interaction

HP	Hewlett Packard
HTML	Hypertext Mark-up Language
HTTP	HyperText Transfer Protocol
HTTPS	HyperText Transfer Protocol Secure
ICD	Interface Control Document
IoC	Inversion of Control
ITT	Invitation To Tender
JAAS	Java Authentication and Authorisation Service
JDBC	Java Database Connectivity
JDO	Java Data Objects
JMS	Java Message Service
JNLP	Java Network Launching Protocol
JRE	Java Runtime Environment
JSON	JavaScript Object Notation
JTA	Java Transaction API
LAN	Local Area Network
LDAP	Lightweight Directory Access Protocol
LOL	Limit of Liability
MAS	Mission Automation System
MATIS	Mission Automation System
MCS	Mission Control System
MMI	Man Machine Interface
MoM	Minutes of Meeting
MPR	Monthly Progress Report
MTA	Mail Transfer Agent
MUST	Mission Utility & Support Tool
MVDA	Mission Visual Data Analysis
OBEV	On-Board Event
OBQ	On-Board Queue
OBQM	On-Board Queue Model
OBSM	On-Board Software Maintenance
OBT	On-Board Time
OOL	Out Of Limit
OVF	Open Virtual Machine Format
PARC	Packet ARChive
PC	Personal Computer
PDR	Preliminary Design Review
PDS	Packet Distribution System
PI	Principle Investigator
PM	Progress Meeting
POJO	Plain Old Java Object
P-SAT	Provisional SAT
QMS	Quality Management System
RAM	Random Access Memory
RAR	Roschal Archive
RCP	Rich Client Platform
RD	Reference Document

RDM	Raw Data Media
RPM	Revolutions Per Minute
SAT	Software Acceptance Tests
SCD	Scrolling Display
SCET	Spacecraft Event Time
SDD	Software Design Document
SETG	Software Engineering Tailoring for Ground Segments
SFDU	Standard Formatted Data Unit
SFT	Secure File Transfer
SIP	Submission Information Packages
SITP	Software Integration Test Plan
SLE	Space Link Extension
SLES	Space Link Extension Services
SMF	Service Management Framework
SMTP	Simple Mail Transfer Protocol
SMTPs	Simple Mail Transfer Protocol Secure
SOW	Statement of Work
SPR	Software Problem Report
SSC	Source Sequence Count
SOAP	Simple Object Access Protocol
SPID	SCOS- 2000 Packet ID
SUM	Software User Manual
SUTP	Software Unit Test Plan
SVTD	Software Validation Test Document
SWRR	Software Requirements Review
TBC	To Be Confirmed (by the Agency)
TBD	To Be Defined (by the Contractor)
TBS	To Be Specified (by the Agency)
TBW	To Be Written
TC	Telecommand
TDRS	Telemetry Data Retrieval Service
TM	Telemetry
TMPH	Telemetry Packet History
TN	Technical Note
TO	Technical Officer
TPF	Task Parameter File
TQD	Telemetry Query Display
TRR	Test Readiness Review
TT&C	Telemetry, Tracking and Command
UTTM	Unit Test Technical Meeting
VPN	Virtual Private Network
WebRM	Web Remote Monitoring
WP	Work Package
WSDL	Web Services Description Language
XFDU	XML Formatted Data Unit
XML	eXtensible Markup Language
XSD	XML Schema Definition

XSL	eXtensible Stylesheet Language
XSLT	XSL Transformations

Table 3: Acronyms

## 5. Terms

Term	Definition
"Smoke Test"	Collection of "shallow and wide" tests affecting all areas of the system without too much detail. They aim at validating basic features of the system (i.e. does it start-up? does it load a file, etc).
"Software Predeliveries"	<p>Software deliveries used for early validation and review.</p> <p>Two different types of Software Predeliveries are considered.</p> <ul style="list-style-type: none"> <li>• Mock-ups: used at early stages of the development to ensure functional correctness</li> <li>• Intermediate deliveries: used to ensure functional and product assurance correctness.</li> </ul>
"Virtual Appliance"	<p>Virtual Appliances are pre-built, pre-configured, ready-to-run enterprise applications packaged with an operating system inside a virtual machine. Customers can easily install and deploy these pre-integrated solution stacks. This speeds up time to value and simplifies software development, distribution, and management.</p> <p>(<a href="http://www.vmware.com/appliances/learn/overview.html">http://www.vmware.com/appliances/learn/overview.html</a> )</p>

Table 4: Terms