

***EGOS***



## **SOFTWARE RELEASE NOTE**

EGOS Data Dissemination  
System (EDDS)

Reference: Software Release Note  
Version: 14.0  
Date: 2018-02-16

<b>Document Title:</b>	Software Release Note		
<b>Document Reference:</b>	Software Release Note		
<b>Document Version:</b>	14.0	<b>Date:</b>	2018-02-16
<b>Abstract</b>			

**ESOC Approval Table:**

Action	Name	Function	Signature	Date
Prepared by:	Rokibul Uddin	EDDS Team		2018-02-16
Verified by:	Delphine Thomas	Application Quality Assurance Engineer (EDDS)		2018-02-16
Approved by:	Rui Santos	EDDS TO		2018-02-16

**Authors and Contributors:**

Name	Contact	Description	Date
Michael Hawkshaw	michael.hawkshaw@cgi.com	Author	2016-10-19
Rauno Ots	rauno.ots@cgi.com	Author	2016-10-19
Kamill Panitzek	kamill.panitzek@cgi.com	Contributor	2016-10-19
Rokibul Uddin	rokibul.uddin@c-ssystems.de	Contributor	2017-05-05 2018-02-16

**Distribution List:**

© COPYRIGHT EUROPEAN SPACE AGENCY, 2018

The copyright of this document is vested in the European Space Agency. This document may only be reproduced in whole or in part, stored in a retrieval system, transmitted in any form, or by any means e.g. electronically, mechanically or by photocopying, or otherwise, with the prior permission of the Agency.

**Document Change Log**

Issue	Date	Description
1.0	2010-10-11	PA Release
1.1	2011-03-29	Final Acceptance Delivery
1.2	2011-05-20	Update for EDDS v1.0.1i3
2.0	2011-09-08	Update for EDDS v1.1.0i1
2.1	2011-10-25	Update for EDDS v1.1.0i2
2.2	2011-11-14	Update for EDDS v1.1.0i3
2.3	2012-02-29	Update for EDDS v1.1.1i1
2.4	2012-04-04	Update for EDDS v1.1.1i2
2.5	2012-06-27	Update for EDDS v1.1.2i1
2.6	2012-09-17	Update for EDDS v1.2.0i1
2.7	2012-09-27	Update for EDDS v1.2.0i2
2.8	2012-10-12	Update for EDDS v1.2.0i3
2.9	2013-03-21	Update for EDDS v1.2.1i1
2.10	2013-04-10	Update for EDDS v1.2.1i2
3.0	2013.06.21	Update for EDDS v1.2.2i1
4.0	2013-12-03	Update for EDDS v1.3.0i1

5.0	2014-05-28	Update for EDDS v1.4.0i1
6.0	2014-12-17	Update for EDDS v1.5.0i1
7.0	2016-02-04	Update for EDDS v1.6.0i1
8.0	2016-07-04	Update for EDDS v2.0.0i1
10.0	2016-10-19	Update for EDDS v2.1.0i1
12.0	2017-05-05	Update for EDDS v2.2.0i1
14.0	2017-02-16	Update for EDDS v2.3.0i1

**Document Change Record**

<b>DCR No:</b>	00	<b>Originator:</b>	
<b>Date:</b>		<b>Approved by:</b>	
<b>Document Title:</b>	Software Release Note		
<b>Document Reference:</b>	Software Release Note		
<b>Page</b>	<b>Paragraph</b>	<b>Reason for Change</b>	
	2.3	Deleted according to TO	

# TABLE OF CONTENTS

<b>1. INTRODUCTION.....</b>	<b>1</b>
1.1 PURPOSE.....	1
1.2 SCOPE.....	1
1.3 GLOSSARY .....	1
1.3.1 Acronyms.....	1
1.3.2 Definition of Terms .....	2
1.4 REFERENCES .....	2
1.4.1 Applicable documents .....	2
1.4.2 Reference documents .....	2
1.5 DOCUMENT OVERVIEW.....	2
<b>2. SOFTWARE RELEASE INFORMATION.....</b>	<b>3</b>
2.1 UPGRADE NOTES .....	3
2.2 SOFTWARE DEPENDENCIES .....	3
2.3 KNOWN LIMITATIONS .....	3
2.4 DELIVERED SPRs/SCRs/DCRs.....	3
2.4.1 SPRs/SCRs/DCRs for 2.3.0.....	3
2.5 INVENTORY OF SOFTWARE CONTENTS.....	4
2.6 SOFTWARE BASELINE DESCRIPTION.....	4
2.6.1 Software Documentation.....	5
2.7 SOFTWARE TEST REPORT.....	5
2.8 DELIVERY INFORMATION.....	6
2.9 HISTORICAL INFORMATION.....	6
2.9.1 De-Scoped Requirements.....	6

## TABLE OF TABLES

## TABLE OF FIGURES

## 1. Introduction

### 1.1 Purpose

This document constitutes the Software Release Note of the EGOS Data Dissemination System version EDDS v2.3.0

### 1.2 Scope

The document describes the content of the delivery [EDDS-R2.3.0i1](#) of the EGOS Data Dissemination System.

This release of EDDS is organized in to three CDs containing the documentation, COTS and source code. See Section 2.5 for more details.

### 1.3 Glossary

None.

#### 1.3.1 Acronyms

Acronyms	Description
AES	Advanced Encryption Standard
APID	Application Identifier
ASCII	American Standard Code for Information Interchange
CCSDS	Consultative Committee for Space Data Systems
CDR	Critical Design Review
CUC	CCSDS Unsegmented Code
DDID	Data Definition Interface Document
DVD	Digital Video Disc (Digital Versatile Disc)
EDDS	EGOS Data Dissemination System
ESA	European Space Agency
EGOS	ESA Ground Operations System
ERT	Earth Reception Time (Note: SCOS-2000 uses the SCOS-2000 reception time stamp and not the ground station reception time stamp.)
EV	Event (Mission control system event)
HTTP	Hypertext Transfer Protocol
HTTPS	HTTP over Secure socket layer
MAS	Mission Automation System
MCS	Mission Control System
MUST	Mission Utility & Support Tool
OBEV	On-board Event
OBQ	On-board Queue
OBSM	On-board Software Maintenance
OBT	On-board Time
OOL	Out Of Limit
PID	Process Identifier
PUS	Packet Utilisation Standard
RDM	Raw Data Media
SCOS	Spacecraft Control and Operations System
SMTP	Simple Mail Transfer Protocol
SMTps	Simple Mail Transfer Protocol Secured

SOAP	<i>Originally - Simple Object Access Protocol - but since version 1.2 it has no official meaning</i>
SPID	SCOS-2000 Packet Identifier
SUM	Software Users Manual
TC	Telecommand
TM	Telemetry
WSDL	Web Services Description Language
XFDU	XML Formatted Data Unit
XML	Extensible Mark-up Language
XSL	Extensible Stylesheet Language
XSLT	XSL Transformations

### 1.3.2 Definition of Terms

Terms	Description
Domain	A Domain represents the set of processes that are responsible for the control of a given entity. All the application units belong to a specified Domain.
Event	Notification to the External user of the occurrence of a condition or a change of state within an Application Unit. An example of event is the notification to the external user of the change of a MCS configuration item.
Family	It is a set of application units exposing services, all belonging to the same Domain. A typical example of family names is: Prime or Backup.
Operational Family	Family currently used as default operational

## 1.4 References

### 1.4.1 Applicable documents

Ref.	Document Title	Issue and Revision, Date
AD-1	EGOS-GEN-GEN-CMP-1001	v1.2 2009-09-11

### 1.4.2 Reference documents

Ref.	Document Title	Issue and Revision, Date
RD-1	EDDS Configuration and Installation Guide [EGOS-GEN-EDDS-CIG-1001]	Issue 14.0, 2018-02-16
RD-2	ESOC Generic Ground Systems: System Configuration Baselines: Part 3- Baseline Definitions [SLES12-064- ESOCL01-i1r0]	Version 1.0
RD-3	EDDS Upgrade Guide [EGOS-GEN-EDDS-EUG-1001]	Issue 12.0, 2018-02-16

## 1.5 Document Overview

Chapter 1: contains general information;

Chapter 2: gives all the necessary information regarding the delivered software.

## 2. Software Release Information

### 2.1 Upgrade Notes

This is a major release of EDDS that includes only few new features and bug fixes. Guide for detailed instructions on how to upgrade [RD-3].

### 2.2 Software Dependencies

Due to the nature of the EDDS software, it interfaces with the DARC, FARC and PARC systems. The EDDS MMI is based upon the EGOS EUD Software.

This release of EDDS has been tested and verified against the following versions of those systems:

System	Version	Notes
SCOS	6.0.1	
PARC	(Integrated with 6.0)	
DARC	3.0.0	EDDS requires the DARC-dataprovision-3.0.0.jar library file, even if it is connecting to earlier versions of the DARC.
FARC	3.1.0	<b>Important Note:</b> Ensure that you deploy EDDS with the correct FARC Jar files for the FARC version you are using.
EUD	3.1.8	
SLES 12	See RD-2	<u>Platform Baseline:</u> SLES12-064-ESOCL01-I1R0 plus options EGOS, LDAP, Application Server, Development) <u>Application Baseline:</u> EGOS-X86-064-OPS-i1r2 plus option Application Server

### 2.3

### 2.3 Known Limitations

We are aware of an error in the FileSystem when a large number of files are processed together. The problem is reported in ticket EDDS-938. The cause of the problem seems to be the large number of ldap connections that tomcat fails to handle. After the problem occurs at least once, all subsequent updates are not taken. It seems that using Tomcat v8.0.43 the problem resolves in part and in MMI updates are processed somehow slower or unresponsive but no exception was observed. It was also confirmed that while the Edds Web MMI is deployed in Tomcat server, the exception always occurs, regardless of the version. Remember that the problem was noticed for large number of files, for example erasing thousands of files together. A realistic and nominal use of the functionality should not cause the exception. In the upcoming releases, the problem will be thoroughly analysed to solve any kind of malfunction.

### 2.4 Delivered SPRs/SCRs/DCRs

The following table lists the SPRs, SCR and DCRs that have been fixed or implemented in this release of EDDS:

#### 2.4.1 SPRs/SCRs/DCRs for 2.3.0

The list of items included in this release can be found online (for users with access to the SPR database) under <https://sdejira.esa.int/secure/ReleaseNote.jspa?projectId=10321&version=15274>

SPR #	Description	Problem Type
EDDS-953	Param Browser fails to retrieve definitions	SPR
EDDS-965	EDDS MMI not working in HTTPS	SPR
EDDS-970	Decode of command parameters fail for S2K 6.2.0+	SCR
EDDS-979	Incorrect decoding of TM header when it's not the vanilla one	SPR
EDDS-820	Central LDap used incorrectly for user data modifications	SPR
EDDS-821	EDDS_ARCHIVER does not reconnect automatically to ActiveMQ	SPR
EDDS-907	[MOI] EDDS - Not possible to change the password for a user	SPR
EDDS-934	EDDS Packet TM stream client	SCR
EDDS-945	Remove build-time step for generating RUNTIME_DIST	SCR

SPR #	Description	Problem Type
EDDS-947	EDDS tomcat exceptions	SPR
EDDS-951	EDDS ICD is not aligned	DCR
EDDS-958	Request to provide pure spacecraft packet	SCR
EDDS-962	Cleanup of license folder	DCR
EDDS-966	Incorrect handling of BIT parameters in Protobuf response file	SPR
EDDS-974	Response files are not deleted	SPR
EDDS-985	Pkt TM stream error if spacecraft event	SPR
EDDS-719	EDDS Archiver cronjob request deletion takes incorrect date field (schedule_exec_time)	SPR
EDDS-741	Customise MMI descriptions	SCR
EDDS-756	Adjustment of EDDS request names	SCR
EDDS-759	Max repeating requests errors on Edds MMI	SPR
EDDS-796	Directories should have last modified timestamp in File System Catalogue view	SCR
EDDS-822	Specify dataspace for retrieval from Data Provision Services	SCR
EDDS-830	Colour-coding of Request Summary View	SCR
EDDS-856	Filtering for PARC OOL Report not working	SPR
EDDS-900	New Request view showing duplicate entries if user has multiple roles	SPR
EDDS-911	Update privileges in Edds mysql creation script	SCR
EDDS-929	File size in File System View	SCR
EDDS-935	Request incorrect status when SPID not in pid.dat	SPR
EDDS-940	EDDS erroneously ask to save changes before closing tabs	SPR
EDDS-942	DARC stream viewer fails to update Edds MMI	SPR
EDDS-946	Multiple LDAP Urls raise exception in server, archiver, delivery and webserver	SPR
EDDS-949	Handle resume non existent requests	SPR
EDDS-950	Unit test fail during build	SPR
EDDS-954	Update of CMDdataDetails.idl path for S2K 6.X	DCR
EDDS-955	Upgrade to EUD 3.1.8	SCR
EDDS-964	Use of Automated Delivery Tool for EDDS releases	SCR
EDDS-967	Decode of SpacraftEvent ID when size of raw body data is equal to Pi1 offset + length	SPR
EDDS-558	Historical message display logs missing Time milliseconds	SPR
EDDS-987	TC new CMDttRqstObqStatus	SCR
EDDS-992	Delivery manager fails to delete files when scheduled job is executed	NCR
EDDS-995	PktTcStructure conf files update to S2K 6.2.x and 6.3.x	SCR
EDDS-939	Edds Filesystem virtual structure inconsistent after OVERFLOW event	SCR
EDDS-1002	Filesystem renaming create duplicate entries	SPR

## 2.5

### 2.5 Inventory of Software Contents

Location	Identifier
Documentation CD 1	CIG – Configuration and Installation Guide
	FAT – Factory Acceptance Test Report
	GLO – EDDS Glossary
	ICD – Interface Control Document
	SDD – Software Definition Document
	SRN – Software Release Note
	SRS – System Requirements Specification
	SUM – Software User Manual
	SVTD – Software Validation Test Document
	TN – Technical Notes
	EDDS Upgrade Guide
	3 <sup>rd</sup> party COTS licenses
	JavaDoc – Detailed Design Documentation
	Streaming Technical Note
	Security Technical Note
Source Code CD 2	Same contents as CD 1
	Source code (repository tag: <a href="#">EDDS-v2-3-0-i1</a> )

### 2.6 Software Baseline Description

The delivery of the EDDS core code has been developed and tested using the SLES 12 App Baseline.



## 2.6.1 Software Documentation

Document Title	Document Ref	Issue	Date	Last EDDS version document was changed for
Configuration and Installation Guide	EGOS-GEN-EDDS-CIG-1001	l14r0	2018-02-16	2.3.0
Factory Acceptance Test Report	EGOS-GEN-EDDS-FAT-1001	i2r3	2013-03-21	1.2.1
Glossary	EGOS-GEN-EDDS-GLO-0001	l7r0	2017-05-05	2.2.0
EDDS Interface Control Document	EGOS-GEN-EDDS-ICD-1001_EUICD	l15r0	2018-02-16	2.3.0
System Design Document	EGOS-GEN-EDDS-SDD-1001	l13r0	2017-05-05	2.2.0
Software Release Notes	EGOS-GEN-EDDS-SRN-1001	l14r0	2018-02-16	2.3.0
System Requirements Specification	EGOS-GEN-EDDS-SRS-1001	i18r0	2018-02-16	2.3.0
Software User Manual	EGOS-GEN-EDDS-SUM-1001	l14r0	2018-02-16	2.3.0
EDDS Upgrade Guide	EGOS-GEN-EDDS-EUG-1001	l12r0	2018-02-16	2.3.0
Software Validation Test Document	EGOS-GEN-EDDS-SVTD-1001	i1r0	2010-10-11	1.1.0
EDDS LDAP Configuration Technical Note	EGOS-GEN-EDDS-TN-1001	i1r0	2010-10-11	1.0.0
EDDS MCS Report Technical Note	EGOS-GEN-EDDS-TN-1002	i1r0	2010-10-11	1.0.0
EDDS XFDU Packet Formatting Technical Note	EGOS-GEN-EDDS-TN-1003	i1r0	2010-10-11	1.0.0
EDDS Streaming Technical Note	EGOS-GEN-EDDS-TN-1004	i1r0	2011-09-12	1.1.0
EDDS Security Technical Note	EGOS-GEN-EDDS-TN-1005	i1r0	2011-09-12	1.1.0
EDDS Central LDAP Technical Note	EGOS-GEN-EDDS-TN-1006	i1r0	2014-05-13	1.5.0

### 2.6.1.1 Change Proposal

Not Applicable

### 2.6.1.2 Waivers/Deviations

Not Applicable

### 2.6.1.3 Change Request

Not Applicable

## 2.7 Software Test Report

Not Applicable

## 2.8 Delivery Information

The repository has been delivered with the tag [EDDS-v2-3-0-i1](#). This tag should be used when extracting this delivery from the repository.

## 2.9 Historical Information

### 2.9.1 De-Scoped Requirements

The follow table lists the requirements that have been de-scoped in previous releases.

Requirement ID	Description
EDDS-SR-05000	The EDDS shall allow an option to filter duplicate packets from the same retrieval (where retrievals are based on either reception or generation time). RID288
EDDS-SR-07690	At a mission level the EDDS shall provide a mechanism to configure which of the following packet properties are used to define a duplicate packet: RID550 <ul style="list-style-type: none"> <li>• APID and SSC</li> <li>• APID and SCET</li> <li>• APID and OBT</li> </ul>
EDDS-SR-00720	The EDDS shall provide calibration of a parameter either using the current calibration curve or the calibration curve that applied at the time of the sample. If the data is retrieved from the DARC than no calibration is required or possible. The data is processed by EDDS as received.eddsdswr#30
EDDS-SR-05560	The EDDS shall allow the Mission Administrator to set the default calibration for the mission.
EDDS-SR-05550	The EDDS TM parameter extraction service shall use default calibration based on the spacecraft database that was applicable at either: <ul style="list-style-type: none"> <li>• On-board sample generation time</li> <li>• Ground reception time</li> </ul> If the data is retrieved from the DARC than no calibration is required or possible. The data is processed by EDDS as received.
EDDS-SR-07880	The EDDS shall allow an option to filter duplicate parameters from the same retrieval (where retrievals are based on either reception or generation time).RID533
EDDS-SR-07890	It shall be possible to define duplicate parameters using the same criteria as for duplicate packets. RID533 This is only required when EDDS accesses the Packet archive directly since SMF and DARC already provide such functionality.eddsdswr#35
EDDS-SR-05050	The EDDS shall support the filter data attributes for the OBEV Data Report as defined in the SCOS-2000 release 5 SMFobevPacketDataFilter SMF type definition.
EDDS-SR-05070	The EDDS shall support the filter data attributes for the OBQ Data Report as defined in the SCOS-2000 release 5 SMFobqPacketDataFilter SMF type definition.
EDDS-SR-05090	The EDDS shall support the filter data attributes for the Command Record Report as defined in the SCOS-2000 release 5 SMFcmdDataFilter SMF type definition.
EDDS-SR-05100	The EDDS shall support the filter data attributes for the Packet Data Admin Report as defined in the SCOS-2000 release 5 SMFpacketAdminFilter SMF type definition.
EDDS-SR-05110	The EDDS shall support the following filter data attributes for each OBSM Report as defined in the SCOS-2000 release 5 SMF type definition. <ul style="list-style-type: none"> <li>• Memory image – no filters.</li> <li>• Memory model – no filters.</li> <li>• Image comparison – no filters.</li> <li>• Image catalogue – no filters.</li> <li>• Model catalogue – no filters.</li> <li>• Device catalogue - SMFdeviceCatalogueDataFilter.</li> </ul>
EDDS-SR-05200	The EDDS shall provide a status report that gives an overview of the EDDS services availability.
EDDS-SR-05210	The EDDS shall provide a status report that gives an overview of the status of connections to relevant MCS systems.
EDDS-SR-05220	The EDDS shall provide a status report that gives an overview of the status of connections to relevant RDM production systems.

<b>EDDS-SR-06370</b>	The EDDS shall provide a mechanism through an EDDS Client application that allows a subset of EDDS generated reports to be displayed and dynamically updated.
<b>EDDS-SR-01710</b>	The EDDS shall allow the EDDS administrator to configure an access filter for the information provided in request summary reports.
<b>EDDS-SR-05310</b>	The request summary report access filter shall provide a mechanism so that partial information (configured for each privacy tag type) can be given for requests, based on privacy tags. (e.g. Requests tagged as private can be configured to appear in reports but only display 'Time Submitted', unless it is the users own request).
<b>EDDS-SR-05340</b>	For each EDDS report there shall be a mission configurable default time span.
<b>EDDS-SR-00633</b>	The EDDS shall be capable of supporting ASCII formatting of binary data types that are in ASCII or XML format.
<b>EDDS-SR-05690</b>	The EDDS shall be capable of interfacing to an RDM production system. This means that EDDS will be responsible for triggering the RDM system when a request has selected RDM as the delivery mechanism.eddsdswr#85
<b>EDDS-SR-05700</b>	The RDM delivery mechanism shall support the following data types: <ul style="list-style-type: none"> <li>• TM Packet data</li> <li>• TC Packet data</li> <li>• EV Packet data</li> <li>• MCS Reports</li> <li>• Archived files</li> <li>• TM Parameter data</li> </ul>
<b>EDDS-SR-00670</b>	The RDM algorithm shall allow configuration of the RDM capacity.
<b>EDDS-SR-00680</b>	There shall be a maximum configurable limit to the number of RDMs used to hold a response. If the algorithm determines that this limit would be breached an RDM overflow condition shallRID269 be raised. The total amount of data available for the request is then the configured limit times the space available in each RDM image.eddsdswr#63
<b>EDDS-SR-05710</b>	If an RDM overflow condition occurs the EDDS shall return an acknowledgement to the user indication the condition. The image shall be considered completed and saved.RID269
<b>EDDS-SR-00690</b>	The EDDS shall be configurable so that it will save a configurable number of completed RDM images if the image in question was successfully created but the burning process failed.
<b>EDDS-SR-00700</b>	A user shall be able to request the burning of a saved RDM image. The status of this request shall be displayed on the EDDS Client.eddsdswr#85
<b>EDDS-SR-07600</b>	The EDDS shall support the interface to an external RDM production system as specified in AD-40.
<b>EDDS-SR-01880</b>	The EDDS shall provide a configuration flag to indicate if a data type is to be counted towards quota calculations. Note: This allows configuration as to whether such data types as catalogue data counts towards a user/account quota.
<b>EDDS-SR-01890</b>	EDDS shall provide flag that states if size quota is either: <ul style="list-style-type: none"> <li>• Raw.</li> <li>• Raw + headers.</li> <li>• formatted (e.g. after XFDU applied, compressed etc).</li> <li>•</li> </ul>
<b>EDDS-SR-00225</b>	The quotas allocated to a user revert back to the Account Manager if the user is removed from an account.
<b>EDDS-SR-00230</b>	The quotas allocated to an account revert back to the Account Administrator when an account is deleted.
<b>EDDS-SR-01590</b>	A Batch service request from a user shall constitute one or more data types together with a set of filters to be applied to each data type.
<b>EDDS-SR-02300</b>	The EDDS shall provide a mechanism to divide a request into time slices when requesting data from a data archive, if such an implementation is required to support prioritisation of requests.
<b>EDDS-SR-06710</b>	The EDDS shall use the EGOS Session Management core component [[RD-29] and [RD-30]] RID529 to manage roles and privileges.RID392 The SMF session Management functionality shall not be used by EDDS.eddsdswr#13
<b>EDDS-SR-06720</b>	The EDDS shall use the EGOS Session Management core component [[RD-29] and [RD-30]] RID529 to define a user's session in regard to their role and session timeouts that might be applied.RID392

<b>EDDS-SR-06910</b>	For each object that can be created through a 'create' operation the EDDS shall provide a configurable mechanism to limit the total number of objects that can be created as a whole in the EDDS.
<b>EDDS-SR-06920</b>	For each user granted 'create' operation privileges the EDDS shall provide a configurable mechanism to limit the number of each object type that can be created by that user. (e.g. It will be possible to limit the number of user accounts that can be created by a user granted account creation privileges.)
<b>EDDS-SR-06940</b>	For each user granted quota set 'create' or 'update' operation privileges the EDDS shall ensure that any quota sets created can only contain a sub set of the user's own quota. (i.e. a user can only share quota to other users).
<b>EDDS-SR-06990</b>	An administrator or manager can only assign a priority to a role that is equal or less than priority governed by their own role.
<b>EDDS-SR-00040</b>	The Maximum number of users that can be grouped, when associated to a role, is bounded by the 'Maximum number of users' quota.
<b>EDDS-SR-07900</b>	For a User having a corporate level ESA profile (e.g. ESA e-mail address), the EDDS shall not allow the modification of the data managed at the corporate level, with the exception of the password (TBC).RID527
<b>EDDS-SR-06960</b>	The EDDS shall associate a priority to a user which will be used to prioritise requests.
<b>EDDS-SR-06980</b>	The priority assigned to a user will depend on the role that user is running a session under.
<b>EDDS-SR-02190</b>	The EDDS server shall use the "online complete" mode for updating EDDS clients with historical data.
<b>EDDS-SR-02240</b>	The EDDS shall provide a configurable limit on the number of concurrent stream services. (This includes display services).
<b>EDDS-SR-07780</b>	The EDDS server shall support dynamic connection to MCS servers so that it is possible to switch between MCS servers.
<b>EDDS-SR-02296</b>	The EDDS shall provide a mechanism to limit the following process resources used by the EDDS server to a configurable figure: RID470 <ul style="list-style-type: none"> <li>• CPU usage</li> <li>• Open files</li> <li>• Memory</li> </ul>
<b>EDDS-SR-01720</b>	Estimation of time for request completion (this estimation should be based on the size of the data to be retrieved and an assumption of network speed)
<b>EDDS-SR-05350</b>	A user shall be able to specify the order of data presented within an EDDS generated report with respect to time (i.e. earliest first, or latest first).
<b>EDDS-SR-05290</b>	The scheduled request summary reports shall provide the following information for each scheduled request: <ul style="list-style-type: none"> <li>• Request ID.</li> <li>• User name of user requesting data.</li> <li>• Role of user requesting data.</li> <li>• Time of next execution (for repeated requests).RID380</li> <li>• Periodicity (for repeated requests).RID380</li> </ul>
<b>EDDS-SR-05320</b>	An EDDS request summary report shall contain at least the following data for each request within the report period: <ul style="list-style-type: none"> <li>• Completion Status (Success, Failed, Cancelled etc).</li> <li>• Time submitted.</li> <li>• Estimated time to completion (if not yet completed).</li> <li>• Time completed.</li> <li>• User who submitted the request.</li> <li>• Total quantity of data returned to the user.</li> <li>• Reason for failure (If request failed).</li> </ul>
<b>EDDS-SR-07710</b>	An administrator or manager with the privilege to perform a 'Change Priority' operation can change a request's priority to a value equal or lower than the priority allocated to the administrator or manager.
<b>EDDS-SR-06300</b>	Any client application able to interface with EDDS through SMF shall be able to schedule one-off or recurring EDDS requests.
<b>EDDS-SR-06330</b>	The EDDS shall provide an SMF interface to allow the scheduling of requests by any SMF client.
<b>EDDS-SR-01780</b>	If a request fails because of a size quota, the user shall be able to elect (within the original request) whether to discard or receive the data already collected.

<b>EDDS-SR-02290</b>	The EDDS shall be able to limit the total number of users able to access the EDDS to a configurable number. RID470
<b>EDDS-SR-05160</b>	The EDDS shall be able to generate at least the following EDDS specific reports on user request:RID404 <ul style="list-style-type: none"><li>• Status report.</li><li>• Request Summary Report (including estimation of request completion).</li><li>• System Log Report.</li><li>• Usage Report.</li></ul>
<b>EDDS-SR-05492</b>	At a mission level the EDDS shall allow a mission administrator to configure the compression level for each data type.
<b>EDDS-SR-06360</b>	The EDDS shall allow recurring scheduling of requests for Archived Files data type that use NEXT for the time field data attribute RID481. The request shall be rescheduled after completion of a request (i.e. whenever the selected file is received by the data archive).