

Software Configuration File (SCF)

Open Data Interface (ODI)
ESTEC/Contract No. 21964/08/NL/AT

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Document status sheet

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1 Introduction

This document describes the configurations status of the ODI software system.

2 Applicable and reference documents

ODI/SOW ODI Statement of Work

ODI/SSS ODI Software System Specification

ODI/TN/DB Technical Note on the ODI Database

ODI/TN/SSS TN on SAAPS/SEDAT/SPENVIS adaption for ODI

ODI/AG ODI Administrator Guide

ODI/UG ODI User Guide

E401B ECSS-E40 Part 1B

E402B ECSS-E40 Part 2B

M40C ECSS-M-ST-40C Rev. 1

3 Terms, definitions and abbreviated terms

CDF Common Data Format

ODI Open Data interface

PRBEM Panel on Radiation Belt Environment Modeling

SAAPS Satellite Anomaly Analysis and Prediction System

SCF Software Configuration File

SEDAT Space Environment Data Analysis Tool

SOW Statement of Work for ESTEC/Contract No. 21964/08/NL/AT

SPENVIS Space Environment Information System

SQL Structured Query Language

4 Software configuration item overview

The ODI system consists of software to read and write data and metadata to a MySQL database. The data are compliant with CDF/ISTP/PRBEM. ODI is delivered with routines to store more than 80 different datasets. Three existing systems have been adapted to use ODI, namely: SAAPS, SEDAT, and SPENVIS.

The ODI system is described in two user guides and two technical notes:

- ODI User Guide
- ODI Administrator Guide
- ODI Database Technical Note
- ODI SAAPS/SEDAT/SPENVIS Technical Note

The installation of ODI is described in ODI/AG. The use of ODI is described in ODI/UG.

The use of SAAPS, SEDAT, or SPENVIS is not documented here. A user of any of these systems should consult the documentation provided for each system.

5 Inventory of materials

ODI consists of software source code and electronic documents which are stored on one CD.

6 Baseline documents

Here follows a listing of all documents that should be delivered according to the SOW. The location of each item is also given.

RB	Software System Specification	RB/odi_sss.pdf
TS	Software Requirements Specification	TS/odi_srs.pdf
TS	Software Interface Control Document	TS/odi_srs.pdf
DDF	Software Design Document - Software Architecture	DDF/odi_tn_db.pdf and DDF/odi_tn_sss.pdf
DDF	Software Design Document - Software Components Design	DDF/odi_tn_db.pdf and DDF/odi_tn_sss.pdf
DDF	Software Source Code	DDF/odi-rev330.tar.gz
DDF	Software Configuration File	DDF/odi_scf.pdf (this doc.)
DDF	Software Release Document	DDF/odi_sreld.pdf
DDF	Software User Manual	DDF/odi_user_guide.pdf and DDF/odi_admin_guide.pdf
DJF	Software Reuse File	DJF/odi_srf.pdf
DJF	Procured software component list	MGT/odi_sdp.pdf
DJF	Software Units/Integration Test Plan	DJF/odi_srs.pdf
DJF	Software Validation Testing Specification wrt RB	DJF/odi_srs.pdf
DJF	(Analyses & Inspection) verification report wrt RB	DJF/odi_svr.pdf
DJF	Software Acceptance Test Plan	DJF/odi_srs.pdf
DJF	Software Code Verification Report	DJF/odi_svr.pdf
DJF	Software Documentation Verification Report	DJF/odi_svr.pdf
DJF	Software Integration Verification Report	DJF/odi_svr.pdf
DJF	Software Unit/Integration Test Report	DJF/odi_svr.pdf
DJF	Software Validation Test Report wrt RB	DJF/odi_svr.pdf
DJF	Acceptance Test Report	DJF/odi_svr.pdf
DJF	Software Acceptance Data Package	DJF/odi_svr.pdf
DJF	Numerical accuracy Analyses	DJF/odi_svr.pdf
DJF	Problems and Nonconformance Report	DJF/odi_svr.pdf
DJF	Milestones Report	DJF/odi_mr.pdf
MF	PR & NCR/Modification analysis report/Problem analysis report	DJF/odi_svr.pdf
MF	Migration Plan	MF/odi_migration_plan.pdf
MGT	Software Development Plan	MGT/odi_sdp.pdf
PAF	Compliance matrix to the application software	DJF/odi_svr.pdf
PAF	List of Critical Software Components	MGT/odi_sdp.pdf

7 Inventory of software configuration item

The ODI software is packaged into one file named `odi-rev330.tar.gz`.

8 Means necessary for the software configuration item

See ODI/AG.

9 Installation instructions

See ODI/AG.

10 Change list

None.

11 Auxiliary information

None.

12 Possible problems and known errors

None.