

814-RD-004-004

## **EOSDIS Core System Project**

# **Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project**

Version 1.03

April 10, 1996

Hughes Information Technology Systems  
Upper Marlboro, Maryland

# Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project

**Version 1.03**

**April 10, 1996**

Prepared Under Contract NAS5-60000

## **SUBMITTED BY**

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**Hughes Information Technology Systems**  
Upper Marlboro, Maryland

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# Preface

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This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996. It is not a formal deliverable and does not require Government approval. However, it has been placed under configuration control by the ECS CCB. Changes to this document shall be made by document change notice (DCN) or by complete revision.

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# Abstract

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This document describes the delivery contents of Ir1 (also referred to as *the product*) components including Commercial Off-The-Shelf (COTS) hardware and software (*Ir1 COTS*), Version 1.00 of custom Ir1 ECS software (*Ir1 Software*) and accompanying documentation.

The purpose of this document is to describe the contents of the Ir1 delivery. It briefly describes the capabilities of the product, provides an inventory of the delivery, lists unresolved problems, and addresses issues such as special operating instructions, system limitations, and disclaimer notices for public domain software used in the product.

This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996.

**Keywords:** version, description, release, software, Ir1, hardware, deliver, CCB, problems, instructions, TRMM, SSI&T, inventory

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# Change Information Page

<b>List of Effective Sections</b>			
<b>Section Number</b>	<b>Issue</b>		
4.3.1	Version 1.03		
4.3.2	Version 1.03		
4.3.4	Version 1.03		
4.3.6	Version 1.03		
5.2	Version 1.03		
5.3	Version 1.03		
Appendix F	Version 1.03		
<b>Document History</b>			
<b>Document Number</b>	<b>Status/Issue</b>	<b>Publication Date</b>	<b>CCR Number</b>
814-RD-004-001	Original, Version 1.00	January 3, 1996	96-0044
814-RD-004-002	Version 1.01	January 31, 1996	96-0107
814-RD-004-003	Version 1.02	February 9, 1996	96-0108
814-RD-004-004	Version 1.03	April 10, 1996	96-0370

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# Contents

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## Preface

## Abstract

4.3.1	SCF/DAAC Toolkit .....	1
4.3.2	Communication Subsystem (CSS).....	1
4.3.4	Ingest Subsystem.....	1
4.3.6	Planning and Processing Subsystem (PDPS) and SSI&T.....	1
5.2	Ir1 Non-Conformance Reports (Closed Status).....	1
5.3	Ir1 Non-Conformance Reports (Open Status) .....	4
	Appendix F. Archive Tapes .....	7

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### 4.3.1 SCF/DAAC Toolkit

IR1, Version 1.03 IR1\_TOOLKIT\_041096.tar.Z Tar File Listing

- Files removed from IR1\_TOOLKIT with this delivery
  - TOOLKIT/src/IO/GEN/PGS\_IO.f
  - TOOLKIT/src/IO/GEN/PGS\_IO\_1.f
  - TOOLKIT/src/IO/GEN/PGS\_PC.f
  - TOOLKIT/src/IO/GEN/PGS\_PC\_9.f
  - TOOLKIT/src/IO/GEN/PGS\_SMF.f
- Addition of one new file to IR1\_TOOLKIT with this delivery
  - TOOLKIT/src/PC/PGS\_PC\_GetPCFTemp.c

### 4.3.2 Communication Subsystem (CSS)

IR1, Version 1.03 IR1\_CSS\_SGI\_040396.tar.Z Tar File Listing

### 4.3.4 Ingest Subsystem

IR1, Version 1.03 IR1\_INGEST\_SGI\_040496.tar.Z Tar File Listing

### 4.3.6 Planning and Processing Subsystem (PDPS) and SSI&T

- IR1, Version 1.03 IR1\_PDPS\_AIT\_SUN5\_040896.tar.Z Tar File Listing
- IR1, Version 1.03 IR1\_PDPS\_AIT\_SGI\_040896.tar.Z Tar File listing

## 5.2 Ir1 Non-Conformance Reports (Closed Status)

NCRs closed as of April 10, 1996

**Problem Id:** ECSed01626

Severity: 3

Title: Error in sending DDN from Ingest to Gateway

**Problem Id:** ECSed01627

Severity: 3

Title: FTP - ERRORS during Ingest of data files

**Problem Id:** ECSed01628

Severity: 3

Title: FTP of files occurs twice during the Ingest process

**Problem Id: ECSed01647**  
Severity: 3  
Title: DpAtExecutionMain.err/.out need more than owner  
write privilege

**Problem Id: ECSed01648**  
Severity: 3  
Title: Install create of irl\_pdps needs insert of a  
default tbl\_dpr entry

**Problem Id: ECSed01650**  
Severity: 4  
Title: Help on command line DPR submission is wrong

**Problem Id: ECSed01651**  
Severity: 4  
Title: Successful PGE registration needs to return  
pge\_id to command line

**Problem Id: ECSed01653**  
Severity: 3  
Title: MSFC h/w/home/\* volumes are automounted to GSFC  
DAAC/home/\*

**Problem Id: ECSed01654**  
Severity: 5  
Title: Anonymous FTP not supported in Irl

**Problem Id: ECSed01659**  
Severity: 3  
Title: DpAtINSTALL.sh script needs to be updated

**Problem Id: ECSed01673**  
Severity: 2  
Title: EDC failure to create  
/Irl\_IT/AI\_T/bin/sun5/TempJilScript

**Problem Id: ECSed01682**  
Severity: 1  
Title: SGI32/64 byte TOOLKIT will not load on the SGI  
Indy at MSFC

**Problem Id: ECSed01691**  
Severity: 4  
Title: SSI&T Prolog Extractor should allow \*.f F90 file  
extensions

**Problem Id: ECSed01733**  
Severity: 4  
Title: Clobbering of SDP Toolkit environment setup

**Problem Id: ECSed01736**  
Severity: 3  
Title: Cannot submit CCRs from GSFC DAAC Irl machines

**Problem Id: ECSed01757**  
Severity: 3  
Title: Irl perl outdated

**Problem Id: ECSed01759**  
Severity: 2  
Title: PGSHOME directory structure different for SCF and DAAC toolkits

**Problem Id: ECSed01778**  
Severity: 3  
Title: License for FORCHECK is available on only one of the Sun AITs

**Problem Id: ECSed01780**  
Severity: 5  
Title: Command line help for pccheck.sh is incorrect

**Problem Id: ECSed01814**  
Severity: 4  
Title: Prohibited fn checker flags prohibited fns that are part of other words

**Problem Id: ECSed01817**  
Severity: 3  
Title: The checker flags the keyword sign in source code

**Problem Id: ECSed01818**  
Severity: 3  
Title: There is only one license available for Z-Mail. Only one user can access

**Problem Id: ECSed01819**  
Severity: 3  
Title: CERES/MISR/MOPITT TK Mods for LaRC

**Problem Id: ECSed01823**  
Severity: 2  
Title: Toolkit cannot location PCF when updating for Temp I/O

**Problem Id: ECSed01824**  
Severity: 2  
Title: Toolkit cannot seem to update PCF with temporary I/O entries

**Problem Id: ECSed01826**

Severity: 3

Title: Error in PGS\_PC\_Shell.sh Help screen

**Problem Id: ECSed01829**

Severity: 2

Title: Need better command-line interface to allow  
longer list of options

**Problem Id: ECSed01843**

Severity: 2

Title: Upgrade to HDF 4.0 required

**Problem Id: ECSed01844**

Severity: 2

Title: Heap and Stack Space updates for Ada

**Problem Id: ECSed01859**

Severity: 4

Title: Prohibited Func checker flags commented out  
functions

**Problem Id: ECSed01861**

Severity: 3

Title: SSIT Manager comparison fails for binary files  
(DR 29)

### 5.3 Ir1 Non-Conformance Reports (Open Status)

NCRs still opened as of April 10, 1996

**Problem Id: ECSed01564**

Severity: 4

Title: Line on Alarm Mgr. Window is chopped partially.

**Problem Id: ECSed01656**

Severity: 3

Title: syslogd causes system to crash when HPOV is  
running.

**Problem Id: ECSed01687**

Severity: 3

Title: Special characters in password cause problems in  
FTP

**Problem Id: ECSed01735**

Severity: 4

Title: Sun core dump on exit

**Problem Id: ECSed01751**

Severity: 3

Title: Can not print from Excel

**Problem Id: ECSed01758**  
Severity: 3  
Title: Need setup files for all shells

**Problem Id: ECSed01764**  
Severity: 2  
Title: Science process and mss sun depend on each other  
for booting.

**Problem Id: ECSed01776**  
Severity: 3  
Title: Checker does not account for #ifdef's in source

**Problem Id: ECSed01786**  
Severity: 3  
Title: GUI disappears and program quits intermittently  
during normal analysis

**Problem Id: ECSed01792**  
Severity: 3  
Title: Climatology database not supplied

**Problem Id: ECSed01805**  
Severity: 3  
Title: Discrepancy in VDD and location/contents of the  
software

**Problem Id: ECSed01810**  
Severity: 3  
Title: PCF Checker can not handle big file

**Problem Id: ECSed01812**  
Severity: 3  
Title: Use of PCF template is not mandatory

**Problem Id: ECSed01820**  
Severity: 3  
Title: GUI disappeared after second file specified

**Problem Id: ECSed01821**  
Severity: 3  
Title: HDF file comparison tool dies without error

**Problem Id: ECSed01822**  
Severity: 3  
Title: IMSL function rline aborts

**Problem Id: ECSed01827**  
Severity: 3  
Title: PCF Checker does not check if filenames are  
missing

**Problem Id: ECSed01842**  
Severity: 3  
Title: Need Default Printer for Science Processor

**Problem Id: ECSed01845**  
Severity: 4  
Title: Install emacs on the Science Processor

**Problem Id: ECSed01847**  
Severity: 3  
Title: Single-Threaded IMSL required for NAG F90

**Problem Id: ECSed01849**  
Severity: 3  
Title: Apparent csh incompatibilities with AutoSys

**Problem Id: ECSed01850**  
Severity: 3  
Title: PGSMSG directory requires world write

**Problem Id: ECSed01851**  
Severity: 2  
Title: IMSL and NAG f90 object files are incompatible

**Problem Id: ECSed01852**  
Severity: 2  
Title: Problems with networker software

**Problem Id: ECSed01854**  
Severity: 4  
Title: ClearCase Admin manuals

**Problem Id: ECSed01860**  
Severity: 2  
Title: Hardware errors with jukebox on sprlsgigsfc

**Problem Id: ECSed01862**  
Severity: 3  
Title: Site hardware does not match VDD (DR 43)

## Appendix F. Archive Tapes

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The following magnetic tape is used to archive the delivered baseline configuration of the developed software.

### **904-PR-007-005**

Label: ECS IR1 Distribution Date: April 10, 1996

>>> 5.0gbyte format (high density) <<<<

HDF3.3r4.tar.Z

IR1\_CSS\_HP\_122095.tar.Z

IR1\_CSS\_SGI32\_122095.tar.Z

IR1\_CSS\_SGI64\_122095.tar.Z

IR1\_CSS\_SGI\_040396.tar.Z

IR1\_CSS\_SUN5\_020796.tar.Z

IR1\_DSS\_SUN5\_122095.tar.Z

IR1\_INGEST\_SGI\_040496.tar.Z

IR1\_INGEST\_SUN5\_122095.tar.Z

IR1\_MSS\_HP\_020896.tar.Z

IR1\_MSS\_SGI\_020896.tar.Z

IR1\_MSS\_SUN5\_020896.tar.Z

IR1\_PDPS\_AIT\_SGI\_040896.tar.Z

IR1\_PDPS\_AIT\_SUN5\_040896.tar.Z

IR1\_TOOLKIT\_041096.tar.Z

IR1\_TOOLKIT\_110995-AAdata.tar.Z

All documents ( VDD and User's Guide )

Command to copy file to disk: dd if=## of=file.tar

Command to untar tar file: tar xvf file.tar

where ## = your tape device and file.tar = Name you give tar file

You must uncompress the .Z files in file.tar

( uncompress IR1\_CSS\_HP\_122095.tar.Z )