

814-RD-004-009

## **EOSDIS Core System Project**

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

**Subject to government approval and not intended for  
general distribution.**

Version 1.04.04

August 14, 1996

Hughes Information Technology Systems  
Upper Marlboro, Maryland

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

**Version 1.04.04**

**August 14, 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 1.04.04 and the delta changes since the release of Version 1.04.02 of Interim Release One (Ir1). This attachment reflects updates to software released as of August 14, 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.

Any questions regarding distribution should be addressed to:

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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 1.04.04 and the delta changes since the release of Version 1.04.02 of Interim Release One (Ir1). This attachment reflects updates to software released as of August 14, 1996.

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

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<b>Section Number</b>	<b>Issue</b>		
4.2 5.2 Appendix F	Version 1.04.04 Version 1.04.04 Version 1.04.04		
<b>Document History</b>			
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## **4.2 COTS Software Listing**

Table 4.2-1 provides a detailed list of the deployed patches for SGI (Indigo2 system) with an Exabyte tape stacker (SCSI) attached. The COTS software is scheduled for delivery to GSFC for Ir1.

**Table 4.2-1. COTS Software Report  
(Ir1 VDD Version 1.04.04)**

SITE: GSFC, Greenbelt MD		SUBSYSTEM: N/A						
ECSNAM	MFR/DEV	DESCRIPTION	MOD/VER	File(s) Location	Hardware Platform	PARENT_EC N	SERIAL_NUM	QTY/LIC
N/A	Silicon Graphics, Inc	SG0000736 - Patch corrects problems with reading variable length tape records	IRIX 5.3	**	All SGI systems (except Challenge and Onyx), Adtron SDDS PC	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG000783 - Patch corrects problems with exabyte devices	IRIX 5.3	** replaces tpsc driver	All 5.3 platforms	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG000852 - Patch corrects the MAKEDEV script so that it will build the correct device.	IRIX 5.3	**	Challenge and Onyx, including Challenges	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG0001157 - Patch adds support to the CDE GUI.	IRIX 5.3	**	IP22 systems	N/A	N/A	1

\*\* Install like any other Silicon Graphics software products

SITE: LARC, Langley		SUBSYSTEM: N/A						
ECSNAM	MFR/DEV	DESCRIPTION	MOD/VER	File(s) Location	Hardware Platform	PARENT_EC N	SERIAL_NUM	QTY/LI C
N/A	Silicon Graphics, Inc	SG0000736 - Patch corrects problems with reading variable length tape records	IRIX 5.3	**	All SGI systems (except Challenge and Onyx), Adtron SDDS PC	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG000783 - Patch corrects problems with exabyte devices	IRIX 5.3	** replaces tpsc driver	All 5.3 platform s	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG000852 - Patch corrects the MAKEDEV script so that it will build the correct device.	IRIX 5.3	**	Challenge and Onyx, includin g Challenge eS	N/A	N/A	1
N/A	Silicon Graphics, Inc	SG0001157 - Patch adds support to the CDE GUI.	IRIX 5.3	**	IP22 systems	N/A	N/A	1

\*\* Install like any other Silicon Graphics software products

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

NCRs closed as of August 14, 1996

**Problem Id: ECSed02560**

Severity: 3

Title: System crashed while accessing Exabyte drives

Problem: The SGI Indigo2 (ICL1SGIGSFC) crashed with the error - KERNAL FAULT -SCSI BUS RESET. This happened while the Sys Admin (Jeff Armstrong) was accessing the Exabyte tape drive. Steve (the SGI Tech) was in the building at the time of the crash, so he took a look at the crashlog. He suggested that four patches (736, 852, 783, 1157) be loaded.

Since the machines were not currently being used to support the planned TSDIS I/F testing, the patches were applied as a corrective measure. The system is now in a test configuration mode. This occurred on 7/19/96. Since that time, there has been no recurrence of the problem.

It should also be noted that this problem had previously intermittently occurred. Rebooting was the workaround solution to solving the problem. Since it was intermittent and it was thought that the cable lengths had some effect on the problem, this was not previously submitted as an NCR.

Resolution: Install patches for problems encountered, all patches should **not** be installed by default.

## 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-021-001**

Label: IR1\_1.04.04\_gsfc.scsi Distribution Date: August 7, 1996

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

IR1\_1.04.04\_gsfc\_scsi.tar

Command to dump tape: tar xvf ##

where ## = your tape device

Command to untar tar file: tar xvf file.tar

where file.tar = name you give tar file