

305-CD-021-002

**EOSDIS Core System Project**

**Release B SDPS Client Subsystem  
Design Specification  
for the ECS Project**

**March 1996**

Hughes Information Technology Systems  
Upper Marlboro, MD

# **Release B SDPS Client Subsystem Design Specification for the ECS Project**

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## **APPROVED BY**

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EOSDIS Core System Project

**Hughes Information Technology Systems  
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## Preface

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This document is one of eighteen comprising the detailed design specifications of the SDPS and CSMS subsystem for Release B of the ECS project. A complete list of the design specification documents is given below. Of particular interest are documents number 305-CD-020, which provides an overview of the subsystems and 305-CD-039, the Data Dictionary, for those reviewing the object models in detail.

The SDPS and CSMS subsystem design specification documents for Release B of the ECS Project include:

- 305-CD-020      Release B Overview of the SDPS and CSMS Segment System Design Specification
- 305-CD-021      Release B SDPS Client Subsystem Design Specification
- 305-CD-022      Release B SDPS Interoperability Subsystem Design Specification
- 305-CD-023      Release B SDPS Data Management Subsystem Design Specification
- 305-CD-024      Release B SDPS Data Server Subsystem Design Specification
- 305-CD-025      Release B SDPS Ingest Subsystem Design Specification
- 305-CD-026      Release B SDPS Planning Subsystem Design Specification
- 305-CD-027      Release B SDPS Data Processing Subsystem Design Specification
- 305-CD-028      Release B CSMS Segment Communications Subsystem Design Specification
- 305-CD-029      Release B CSMS Segment Systems Management Subsystem Design Specification
- 305-CD-030      Release B GSFC Distributed Active Archive Center Design Specification
- 305-CD-031      Release B LaRC Distributed Active Archive Center Design Specification
- 305-CD-033      Release B EDC Distributed Active Archive Center Design Specification
- 305-CD-034      Release B ASF Data Center Distributed Active Archive Center Design Specification
- 305-CD-035      Release B NSIDC Distributed Active Archive Center Design Specification
- 305-CD-036      Release B JPL Distributed Active Archive Center Design Specification
- 305-CD-037      Release B ORNL Distributed Active Archive Center Design Specification
- 305-CD-038      Release B System Monitoring and Coordination Center Design Specification
- 305-CD-039      Release B Data Dictionary for Subsystem Design Specification

Object models presented in this document have been exported directly from CASE or DBMS tools and in some cases contain too much detail to be easily readable within hard copy page constraints. The reader is encouraged to view these drawings on line using the Portable Document Format (PDF) electronic copy available via the ECS Data Handling System (EDHS) at:  
URL <http://edhs1.gsfc.nasa.gov>.

This document is a formal contract deliverable with an approval code of 2; as such it requires Government review and approval prior to acceptance and use. This document is under ECS contractor configuration control. Once this document is approved, Contractor approved changes are handled in accordance with Class I and Class II change control requirements described in the EOS Configuration Management Plan, and changes to this document shall be made by document change notice (DCN) or by complete revision.

Any questions should be addressed to:

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## Abstract

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This document presents the design of the Client Subsystem of the Earth Observing System Data and Information System (EOSDIS) Core System (ECS). It defines the Client Subsystem's Release B CSCI architecture, as well as subsystem design based on Level 4 requirements.

**Keywords:** SDPS, client, CSCI, V0, gateway, user, GUI, World Wide Web, Web, WWW, science tools, desktop, workbench

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## Abbreviations and Acronyms