ICD

<table>
<thead>
<tr>
<th>Phase:</th>
<th>B/C</th>
<th>Life Cycle Review</th>
<th>PDR/CDR</th>
</tr>
</thead>
</table>

**EOSDIS Example**

Radio Frequency interface Control Document Between the EOS-PM-1 Spacecraft and the Spaceflight Tracking and Data Network, 450-RFICD-EOS PM-1/STDN

For more information contact: Bill Guit
william.j.guit@nasa.gov

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ICD

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</table>

**EOSDIS Example**

Interface Control Document Between the Earth Observing System (EOS) Data and Operations System (EDOS) and the TDRSS Ground Terminals (TGTs), 428-ICD-EDOS/TGT

For more information contact: Terri Wood
terri.wood-1@nasa.gov

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DMR

<table>
<thead>
<tr>
<th>Phase:</th>
<th>A</th>
<th>Life Cycle Review</th>
<th>SRR</th>
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**EOSDIS Example**

Aura Mission Specific Requirements Document, 423-10-47

For more information contact: Bill Guit
william.j.guit@nasa.gov

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ICD

<table>
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<tr>
<th>Phase:</th>
<th>B/C</th>
<th>Life Cycle Review</th>
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**EOSDIS Example**

EOS PM-1 Spacecraft to EOS Ground System Interface Control Document, 422-11-19-03

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### IPA

Inter-Project Agreement

Agreements between ESDIS and projects not managed by ESDIS. Generally, the projects involved agree on an exchange of support services and data. From the interface control viewpoint, these agreements identify the need for an interface and the scope of the interface.

**Phase:** A  
**Life Cycle Review:** Pre-SRR

**EOSDIS Example**

Inter-project Agreement (IPA) between the NASA QuikSCAT Scatterometer Project and the Earth Science Data and Information System (ESDIS) Project for Science Data Archive and Distribution Support, 423-10-38

**For more information contact:**  
Bill Guit  
william.j.guit@nasa.gov

### W/A

Working Agreement

A W/A outlines the working commitments made between the ESDIS Project and another organization for developing, implementing and/or operating portions of the data system.

**Phase:** A  
**Life Cycle Review:** Pre-SRR

**EOSDIS Example**

Working Agreement between the ESDIS Project and the MOPITT Principal Investigator for Standard Data Production Using the NCAR Science Investigator-lead Processing System (SIPS), 423-10-55

**For more information contact:**  
Dr. H. Ramapriyan  
hampapuram.k.ramapriyan@nasa.gov

### ICD

**EDOS-SIPS**  
**Interface Control Document**

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

**Phase:** B/C  
**Life Cycle Review:** PDR/CDR

**EOSDIS Example**

Interface Control Document Between the Earth Observing System (EOS) Data and Operations System (EDOS) and the EOS Ground System (EGS) Elements, 428-ICD-EDOS/EGS

**For more information contact:**  
Terri Wood  
Terri.Wood-1@nasa.gov

### ICD

**EDOS-Data Centers**  
**Interface Control Document**

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

**Phase:** B/C  
**Life Cycle Review:** PDR/CDR

**EOSDIS Example**
### Interface Control Document Between the Earth Observing System (EOS) Data and Operations System (EDOS) and the EOS Ground System (EGS) Elements, 428-ICD-EDOS/EGS

| For more information contact: | Terri Wood  
|                           | Terri.Wood-1@nasa.gov |

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

**Phase:** B/C  
**Life Cycle Review:** PDR/CDR  
**EOSDIS Example**

Interface Control Document Between the Earth Observing System (EOS) Networks and the Earth Observing System Data and Information System (EOSDIS) Elements, 423-ICD-002

| For more information contact: | Kevin Kranacs  
|                           | kevin.m.kranacs@nasa.gov |

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

**Phase:** B/C  
**Life Cycle Review:** PDR/CDR  
**EOSDIS Example**

Interface Control Document between the ESDIS Metrics System (EMS) and the Data Providers, 423-47-01

| For more information contact: | Dr. H. Ramapriyan  
|                           | hampapuram.k.ramapriyan@nasa.gov |

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

**Phase:** B/C  
**Life Cycle Review:** PDR/CDR  
**EOSDIS Example**

Interface Control Document between EOSDIS Core System (ECS) and EOS Clearinghouse (ECHO) for Metadata Inventory and Ordering, 423-45-02

| For more information contact: | Andrew Mitchell  
|                           | andrew.e.mitchell@nasa.gov |

OA  
**Operations Agreement**

Operations Agreements are even lower level, more detailed interface documents that are created to help define the operations use of the interfaces, including such things as addresses, phone numbers, and names of responsible personnel. These documents are not intended for project-level development and control.
<table>
<thead>
<tr>
<th>Phase</th>
<th>Life Cycle Review</th>
<th>ORR</th>
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**EOSDIS Example**

Operations Agreement (OA) Between the Goddard Earth Sciences (GES) Data and Information Services Center (DISC) and the Ozone Monitoring Instrument (OMI) Science Investigator-led Processing System (SIPS), 610.2-GDISC-OP-OA.004

For more information contact: Gary Alcott  
gary.t.alcott@nasa.gov

<table>
<thead>
<tr>
<th>Phase</th>
<th>Life Cycle Review</th>
<th>PDR/CDR</th>
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**ICD**

**SIPS-Data Centers Interface Control Document**

ICDs are used to record design agreements for the interfaces between participating organizations. ICDs provide a means to evaluate and control all mutually interdependent and/or interacting design parameters of the interface.

For more information contact: Karen Michael  
karen.a.michael@nasa.gov

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<tr>
<th>Phase</th>
<th>Life Cycle Review</th>
<th>MDR</th>
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**IRD**

**Data Center-SIPS Interface Requirements Document**

IRDs define the requirements for data exchanges across an interface between separately managed systems or subsystems. The requirements statements in IRDs are derived directly from project requirements documents.

For more information contact: Dr. H. Ramapriyan  
hampapuram.k.ramapriyan@nasa.gov

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<thead>
<tr>
<th>Phase</th>
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**ATBD**

**Algorithm Theoretical Basis Document**

An ATBD describes the physical and mathematical description of the algorithms to be used in the generation of data products. It includes a description of variance and uncertainty estimates and considerations of calibration and validation, exception control, and diagnostics. In some cases, internal and external data product flows are required.

For more information contact: Karen Michael  
karen.a.michael@nasa.gov
<table>
<thead>
<tr>
<th>ADURD</th>
<th>Archiving, Distribution and User Services Requirements in EOSDIS</th>
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</thead>
<tbody>
<tr>
<td>This document provides generic requirements for data archiving, data distribution and user services for EOSDIS-supported data.</td>
<td></td>
</tr>
<tr>
<td>Phase: All</td>
<td>Life Cycle Review: All</td>
</tr>
<tr>
<td>EOSDIS Example</td>
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</tr>
<tr>
<td>Requirements for Archiving, Distribution and User Services in EOS Data and Information System (EOSDIS), 423-10-69</td>
<td></td>
</tr>
<tr>
<td>For more information contact: Dr. H. Ramapriyan <a href="mailto:hampapuram.k.ramapriyan@nasa.gov">hampapuram.k.ramapriyan@nasa.gov</a></td>
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<table>
<thead>
<tr>
<th>MRT</th>
<th>Mission Readiness Test Plan</th>
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</thead>
<tbody>
<tr>
<td>The MRT plan documents the strategy that will be used to verify and ensure that all system components working together meet design specifications and requirements for the mission.</td>
<td></td>
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<tr>
<td>Phase: D</td>
<td>Life Cycle Review: TRR</td>
</tr>
<tr>
<td>EOSDIS Example</td>
<td></td>
</tr>
<tr>
<td>Earth Observing System (EOS) Aura Mission Readiness Test Plan (MRTP), ESDIS02760</td>
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<tr>
<td>For more information contact: Karen Michael <a href="mailto:karen.a.michael@nasa.gov">karen.a.michael@nasa.gov</a></td>
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