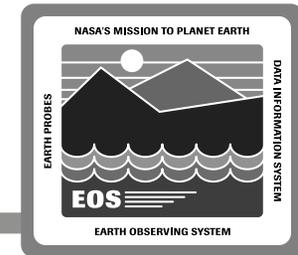


Attachment:

FOS Release B Summary

25 July 1997

FOS Release A Capabilities



Scheduling

Planning & Scheduling

BAP Definer Tool
 Activity Definer Tool
 Detailed Activity Schedule
 Timeline Tool
 ASTER I/F Filter

Command Mgt

Uplink Load Generation
 ATC Load Generation
 Ground Sched Generation

Real-Time

Resource Mgt

String Manager
 Command Authority
 Ground Control Privilege

Telemetry

Decom Engine
 Mirrored Telemetry
 Parameter Server

Command

Cmd Validation, Generation,
 Uplink, and Notification

Real-Time Contact Mgt

NCC GCMRs

Analysis

FUI

Analysis Request Tool
 Analysis Report Generation

Analysis

User Selected Statistics
 Basic Analysis Request

Data Mgt

Data Archive

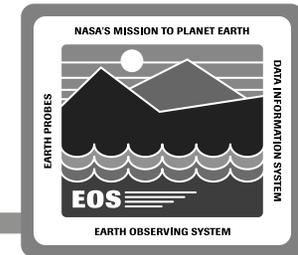
Support Services

ECL	Screen Management	Display Builder	Time Selector	DB Generation
Events	Window Manipulation	Procedure Builder	Ground Script Control	(Activities, Cmd, TIm)
Help	Status Window	Room Builder	DB Edit	

Infrastructure

Message Passing	Name Services	Network Services	Interface Connectivity
Security Services	Directory Services	Management Services	Time Services

FOS Release B Capabilities



Scheduling

Planning & Scheduling
 Timeline Tool
 Planning Aids Mgt
 TDRS Scheduling
 Activity Constraint Check
 What-If

Command Mgt
 Cmd Constraint Check
 Load Catalog/Reports
 Generate Patch Loads
 Memory Mgt/Compares
 Load Manager
 Microprocessor Loads
 RTS Load Builder

Real-Time

Resource Mgt
 String Cfg Change Requests
 Resource Monitor
 Failure Recovery

Telemetry
 Derived Parameters, Selective
 Decom, Tailored Telemetry
 S/C State Check
 Memory Dump

Command
 Cmd Verification
 Load Processing

Real-Time Contact Mgt
 NCC ODMs, EDOS CODAs

Analysis

FUI
 Standing Orders

Analysis
 Clock Correlation
 Solid State Recorder Mgt
 S/C Activity Log
 System Statistics
 User-Defined Algorithms
 Expert Advisor

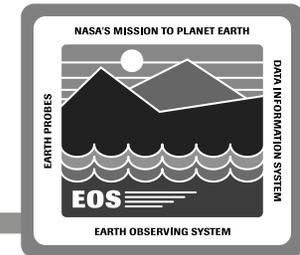
Data Mgt
 Triggers
 Queue Mgr

Support Services

User Customization	Report Browser/Editor Tool	DB Backup/Restore	DB Reporting
E-Mail	Quick Msg & Analysis	Archive Events	DB Maintenance
Document Reader	Display Builder (schematics)	Event History Tool	Data Mover

Infrastructure
 Release A Capabilities
 Additional Management and Communication Services

Release Status Summary



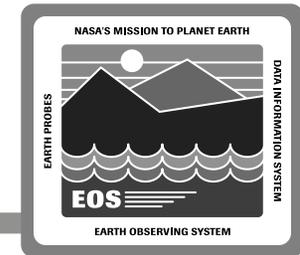
Requirements Status Summary

- **FOS requirements updates for Release B are in May RTM baseline**
 - Updates focused on refining requirements text for testability purposes
 - Includes mapping between requirements and test procedures

AM-1 Interface

- **White Paper prepared by NASA/FOS and FOS**
 - Defines current understanding of the interface for each functional area between the FOS and the AM-1 spacecraft
 - Defines interface baseline to effectively manage future spacecraft modifications
 - **FOS Release B is compliant with the White Paper**

Release Status Summary (cont.)



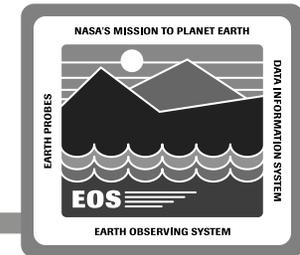
Kerberos has been removed

- **Based on requests by NCC and EDOS**
- **No changes to security requirements**
 - **Simplify implementation for user authentication services**
 - **ICDs need to be updated**

GSFC DAAC/FOS Interface Moved to Post-Release B delivery

- **Approach**
 - **Analogous to PDPS interface**
 - **Code samples have been provided to FOS by PDPS**
- **Impact**
 - **None since FOS has local archive with requisite disk space to support pre-launch activities**
- **Plan**
 - **Interface functionality scheduled for December 1997**

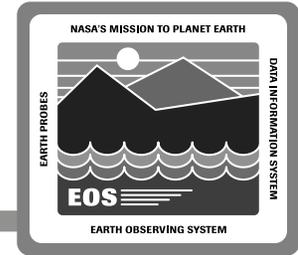
Release Status Summary (cont.)



FOS Release B Contingency Implementation Summary

- **Security Services**
 - Authentication
 - Authorization
- **Management Services**
 - Monitor hardware, network, software
 - Trouble-ticketing from ISTs
- **Requirements Impact**
 - EOC interface to SMC is being reviewed
 - Security Service implementation consistent with CDR presentation and ESDIS Security Working Group presentation
 - Management Services reporting level consistent with original ops concept per FOS/CSMS ICD

Release Status Summary (cont.)



FOS Release B Contingency Implementation Summary (continued)

- **Communications Server**
 - **Host reflector software**
 - Direct multicast traffic to IST**
 - **Host Netscape Communications Server**
 - **Previously entitled 'Multicast Server'**
- **Management Server**
 - **Prime/backup servers**
 - **Host Tivoli Management software**
 - **Host DCE interface to GSFC DAAC**