

## APPENDIX D. EUROPA CLIPPER FCPL FSW MODULES

Module Name	Partition	Functional Category
Abstract Device Library	CORE PLATFORM	Software Infrastructure
Bus Controller Manager	CORE IO	Platform Services
BC 1553 Client Interface Service	CORE IO	Platform Services
CCSDS File Delivery Protocol Service	CORE DATA	Telecom
Command Service	CORE UPLINK	Spacecraft Services
Rad750 CPU Driver	CORE PLATFORM	Platform Services
CRC Manager	CORE UPLINK	Platform Services
Cross String Manager	CORE IO	Spacecraft Services
Data Partition Manager	CORE DATA	Platform Services
Rad750 DMA Driver	CORE PLATFORM	Platform Services
Data Product Consignment Service (client interface)	CORE DATA	Spacecraft Services
Data Product Management Service (and Catalog)	CORE DATA	Spacecraft Services
Data Product Transport Service	CORE DATA	Spacecraft Services
Downlink Manager	CORE DNLINK	Telecom
Downlink Partition Manager	CORE DNLINK	Telecom
Telemetry - Engr Housekeeping, Accountability	CORE DNLINK	Spacecraft Services
Telemetry - Event Reports	CORE DNLINK	Spacecraft Services
Filesystem Services	CORE DATA	Software Infrastructure
Fault Protection Monitor Service	CORE PLATFORM	Spacecraft Services
File Verification Service	CORE DATA	Software Infrastructure
Health Monitoring and Reporting	CORE PLATFORM	Software Infrastructure
Hierarchical State Machine Services	CORE PLATFORM	Software Infrastructure
IO Partition Manager	CORE IO	
Inter- and Intra-Component Messaging Facility	CORE PLATFORM	Software Infrastructure
Shared Memory Service	CORE PLATFORM	Platform Services
Non-Volatile Data Storage Service	CORE DATA	Spacecraft Services
Non-Volatile File System Service	CORE DATA	Spacecraft Services
Operating System Interfaces	CORE PLATFORM	Software Infrastructure
Parameter Management Service	CORE DATA	Spacecraft Services
Core Manager	CORE PLATFORM	Software Infrastructure
RAM Filesystem Service	CORE DATA	Platform Services
Non-Volatile Records Service	CORE DATA	Spacecraft Services
Redundancy Management Controller and Service	SYSTEM	Spacecraft Services
Remote Terminal Manager	CORE IO	Platform Services
RT 1553 Interface for clients	CORE IO	Platform Services
State Buffer Store	CORE PLATFORM	Spacecraft Services
Multi-mission Sequencing Engine	CORE UPLINK	Spacecraft Services
Shell Configuration Service	CORE SHELL	Spacecraft Services

Shell Controller	CORE SHELL	Spacecraft Services
Shell Partition Manager	CORE SHELL	Spacecraft Services
Shell Client Support Service	CORE SHELL	Spacecraft Services
Timekeeping	CORE PLATFORM	Software Infrastructure
Public Types Service	CORE PLATFORM	Software Infrastructure
Uplink Manager	CORE UPLINK	Telecom
Uplink Partition Manager	CORE UPLINK	Spacecraft Services
Utility Services	CORE PLATFORM	Software Infrastructure