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Cluster Science Data System
Detailed Design
for the Scandinavian Data Centre
Part 2 Component Design Specifications

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1 Reception

1.1 RDM reception

1.1.1 RdmRegistration

1.1.1	Component ID	RdmRegistration
1.1.1.1	Type	process
1.1.1.2	Purpose	SR-SDC-8 (partially)
1.1.1.3	Function	To support the operator in the registration of the incoming CD-ROM The process shall not accept unreasonable input for example if the RDM is already registered
1.1.1.4	Subordinates	None
1.1.1.5	Dependencies	Should normally be run after RdmVerify A communication of info from RdmVerify should be considered
1.1.1.6	Interfaces	SDC Operators Interface, RdmVerify
1.1.1.7	Resources	N/A
1.1.1.8	References	N/A
1.1.1.9	Processing	It shall be possible to start the process from the SDC operators interface or from a command line Only the operator shall have access
1.1.1.10	Data	Data is fed in via keyboard by the operator

1.1.2 RdmVerify

1.1.2	Component ID	RdmVerify
1.1.2.1	Type	Process
1.1.2.2	Purpose	SR-SDC-8 (partially)
1.1.2.3	Function	To assist the operator in verifying a CD-ROM Provide input data for RdmRegistration
1.1.2.4	Subordinates	None
1.1.2.5	Dependencies	None
1.1.2.6	Interfaces	RdmRegistration, SDC operators interface
1.1.2.7	Resources	N/A
1.1.2.8	References	N/A
1.1.2.9	Processing	It should be possible to start the process from the operators interface or from the command line.
1.1.2.10	Data	In: CD-ROM, Out: Good or Bad flag

1.2 RDM handling

1.3 Retrieve from other sources

2 Interactive Processing

2.1 EFW commanding

2.2 EFW health control

2.3 Calibration update

2.4 Access control

3 DB Server

3.1 DB mgr

3.2 Data base

3.3 ISDAT DBH

4 EFW DB Production

4.1 Convert EFW PPD to CDF

4.2 Convert EFW SPD to CDF

4.3 Data reduction

4.4 Retrieve data

4.5 Validate EFW PPD

4.6 Validate EFW SPD

4.7 Validate EFW SPL

5 SDC User Interface

5.1 SDC user shell