

Table 1- New DSS L4 Requirements

97-0942A

Data reflects RTM baseline of 5/23/97

| L4 id | req_key | rel | req_type | req_status | ver_method | ver_status | CCR | clarification | text |
|--------------------|------------|-----------|-------------------|-----------------|-------------|-------------------|-----|---------------|--|
| <u>S-DSS-05775</u> | <u>new</u> | <u>B0</u> | <u>functional</u> | <u>approved</u> | <u>demo</u> | <u>unverified</u> | | | <u>The SDSRV CI shall store the checksum, provided by the STMGT CI for each archived file, into the Metadata Database.</u> |
| <u>S-DSS-31530</u> | <u>new</u> | <u>B1</u> | <u>functional</u> | <u>approved</u> | <u>demo</u> | <u>unverified</u> | | | <u>The DDIST CI shall have the capability to incorporate new distribution formats and data conversion software.</u> |

**Table 2- Add DSS L4 Links to RBR#B
97-0942A**

Data reflects RTM baseline of 5/23/97

| RBR_id | L4 id |
|-------------------|--------------------|
| <u>DADS0100#B</u> | <u>C-CSS-61050</u> |
| <u>DADS0100#B</u> | <u>C-CSS-61310</u> |
| <u>DADS0350#B</u> | <u>S-DSS-05775</u> |
| <u>DADS0350#B</u> | <u>S-DSS-20365</u> |
| <u>DADS0780#B</u> | <u>S-DSS-31530</u> |
| <u>DADS0925#B</u> | <u>S-DSS-01080</u> |
| <u>DADS0925#B</u> | <u>S-DSS-01200</u> |
| <u>DADS1360#B</u> | <u>S-DSS-00790</u> |
| <u>DADS1380#B</u> | <u>S-DSS-30014</u> |
| <u>DADS1380#B</u> | <u>S-DSS-30665</u> |
| <u>DADS1390#B</u> | <u>S-DSS-30014</u> |
| <u>DADS1390#B</u> | <u>S-DSS-30665</u> |
| <u>DADS1390#B</u> | <u>S-DSS-30670</u> |
| <u>DADS2100#B</u> | <u>S-DSS-05620</u> |
| <u>DADS2100#B</u> | <u>S-DSS-05650</u> |
| <u>DADS2100#B</u> | <u>S-DSS-30095</u> |
| <u>DADS2100#B</u> | <u>S-DSS-30100</u> |
| <u>DADS2100#B</u> | <u>S-DSS-30180</u> |
| <u>DADS2190#B</u> | <u>S-DSS-30018</u> |
| <u>DADS2190#B</u> | <u>S-DSS-30345</u> |
| <u>DADS2200#B</u> | <u>S-DSS-02900</u> |
| <u>DADS2200#B</u> | <u>S-DSS-03750</u> |
| <u>DADS2200#B</u> | <u>S-DSS-03770</u> |
| <u>DADS2300#B</u> | <u>S-DSS-00901</u> |
| <u>DADS2300#B</u> | <u>S-DSS-01365</u> |
| <u>DADS2300#B</u> | <u>S-DSS-20420</u> |
| <u>DADS2300#B</u> | <u>S-DSS-20670</u> |
| <u>DADS2300#B</u> | <u>S-DSS-21450</u> |

**Table 2- Add DSS L4 Links to RBR#B
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| RBR_id | L4 id |
|------------|-------------|
| DADS2300#B | S-DSS-21460 |

**Table 3- Delete DSS L4 Links to RBR#B
97-0942A**

Data reflects RTM baseline of 5/23/97

| RBR_id | L4 id |
|------------|-------------|
| DADS1020#B | C-CSS-40140 |
| DADS1020#B | C-CSS-40150 |
| DADS1020#B | C-CSS-40160 |
| DADS1020#B | S-DSS-01212 |

Table 4- Update DADS RBR#B

97-0942A

Data reflects RTM baseline of 5/23/97

| RBR_id | req_key | Rel | Req_Category | segment | req_type | s_verif_method | s_verif_stat | a_verif_method | a_verif_stat | text | interpretation text |
|--------------|---------|----------------------------|-------------------|---------|------------|----------------|--------------|----------------|--------------------|--|--|
| DADS 0100# B | 8548 | B0 <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall receive management directives from the SMC. | Received from SMC operators documents or email describing schedules, CM, and security directives. Access to policies and procedures in Release B0 will be via an enterprise server, e.g., Netscape. |
| DADS 0150# B | 3467 | <u>B0</u> | mission essential | SDPS | functional | test | un-verified | test | <u>un-verified</u> | Designated DADS shall receive from the ICC, at a minimum, the following: a. Instrument history log (or subset of history log) b. Associated Metadata | |
| DADS 0160# B | 3468 | <u>B0</u> | mission essential | SDPS | functional | test | un-verified | test | <u>un-verified</u> | A designated DADS shall receive from the EOC, at a minimum, the following: a. Spacecraft history log (or subset of history log) b. Associated Metadata | B: Full capability. |
| DADS 0175# B | 6504 | <u>B0</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | The GSFC DADS shall receive from FDF, at a minimum : a. Orbit data b. Metadata | B: full capability, THE GSFC DADS WILL RECEIVE REPAIRED ORBIT DATA FOR AM-1 FROM FDF |
| DADS 0350# B | 3485 | <u>B0</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall generate the following metadata items, at a minimum: a. Unique Granule Id for L0 b. Date and time of storage c. Physical location d. Data check status e. Unique format identifiers | |
| DADS | 3520 | <u>B1</u> | mission | SDPS | functional | test | un- | test | <u>un-</u> | | |

Table 4- Update DADS RBR#B

97-0942A

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| RBR_id | req_key | Rel | Req_Category | segment | req_type | s_verif_method | s_verif_stat | a_verif_method | a_verif_stat | text | interpretation text |
|-------------|---------|------------------------|-------------------|---------|--------------------------|----------------|--------------|----------------|--------------------|---|---------------------|
| 0780#B | | | fulfillment | | l | | verified | | <u>verified</u> | Each DADS shall have the capability to incorporate additional ingest and data distribution formats and conversion software. | |
| DADS 0910#B | 3525 | <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | <u>un-verified</u> | Each DADS shall notify the SMC and IMS in the event that data required in connection with an on-demand request does not arrive. | |
| DADS 0925#B | 3526 | <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall, in the event of noncompliance (e.g., non-arrival of scheduled data) forward a description of noncompliance to the SMC. | |
| DADS 1020#B | 9177 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall generate data retrieval status to acknowledge the receipt of a product order. The data retrieval status shall indicate the acceptance or rejection of the request. In the event of rejection, the status shall contain an indication of the reason for rejection (e.g., distribution parameters missing, data not present or unreadable). | |
| DADS 1210#B | 3543 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall prepare, for output to the collocated PGS, data availability notices. | |
| DADS 1235#B | 9080 | <u>B0</u> | mission essential | SDPS | performance functional | test | un-verified | test | un-verified | Each DADS shall temporarily store expedited data received for 48 hours or until production data are available (whichever comes first). | |

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| RBR_id | req_key | Rel | Req_Category | segment | req_type | s_verif_method | s_verif_stat | a_verif_method | a_verif_stat | text | interpretation text |
|--------------|---------|------------------------|-------------------|---------|------------|----------------|--------------|----------------|--------------------|---|---|
| DADS 1360# B | 3550 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | un-verified | Each DADS shall monitor the status, cost, and performance of all storage systems used. | |
| DADS 1380# B | 3553 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | <u>un-verified</u> | Each DADS shall monitor data transfer between external (non-ECS) elements and the DADS. | B: TRMM, AM-1, NOAA(ancillary), FDF, Landsat-7, DAAC unique capability |
| DADS 1390# B | 3554 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | test | un-verified | test | <u>un-verified</u> | Each DADS shall monitor data transfer between elements of the ECS and the DADS. | |
| DADS 2020# B | 9166 | <u>B1</u> | mission essential | SDPS | functional | demo | un-verified | demo | un-verified | Each DADS shall have the capability to receive data availability schedules at a minimum, from: a. (DELETED) b. IPs c. ADCs d. ODCs e. Other DADS f. TRMM (SDPF) | This capability does not apply to the ADCs or ODCs. |
| DADS 2030# B | 3589 | <u>B1</u> | mission critical | SDPS | functional | demo | un-verified | demo | un-verified | Each DADS shall maintain a list/schedule of data to be received from EDOS. | B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS |
| DADS 2100# B | 3594 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | Each DADS shall receive time windows and priorities requested by the user for incorporation into and modification of its schedule. | |
| DADS 2190# B | 3600 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | Each DADS shall maintain a list of products which could not be delivered electronically (e.g., workstation off-line). | |

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|--------------|---------|------------------------|---------------------|---------|-------------|----------------|--------------|----------------|--------------------|--|---------------------|
| DADS 2200# B | 3601 | <u>B0</u> <u>B1</u> | mission essential | SDPS | functional | demo | un-verified | demo | un-verified | Each DADS shall maintain a list of data which requires some form of data manipulation such as subsetting. | |
| DADS 2300# B | 3607 | <u>B0</u> <u>B1</u> | mission critical | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | Each DADS shall provide a capability for local and offsite backup/restore of system files. | |
| DADS 3125# B | 3645 | <u>B0</u> | mission fulfillment | SDPS | performance | demo | un-verified | demo | un-verified | Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery, available to the network in that ECS standard format within an average of 2 minutes after the receipt of a request for that data. | |
| DADS 3126# B | 7443 | <u>B0</u> <u>B1</u> | mission fulfillment | SDPS | performance | demo | un-verified | demo | un-verified | Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery available to the network in a different ECS standard format within an average of 5 minutes after the request for that data. | |
| DADS 3135# B | 3647 | <u>B1</u> | mission essential | SDPS | performance | demo | un-verified | demo | <u>un-verified</u> | The DADS shall have the capability to support the transaction rate as specified in Table 7-4. | |
| DADS 3140# B | 3648 | <u>B0</u> | mission essential | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of | |

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|--------------|---------|-----------|---------------------|---------|------------|----------------|--------------|----------------|--------------------|---|---------------------|
| | | | | | | | | | | DAAC-unique data ingest services operated independently of the delivered ECS DADS services. | |
| DADS 3150# B | 3649 | <u>B0</u> | mission fulfillment | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data distribution services operated independently of the delivered ECS DADS services. | |
| DADS 3160# B | 3650 | <u>B1</u> | mission fulfillment | SDPS | functional | demo | un-verified | demo | <u>un-verified</u> | The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of an operator interface that may bypass the delivered DADS operator interface. | |