

# Table 1- New DSS L4 Requirements

97-0869

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-80420</u> | <u>new</u> | <u>B0</u> | <u>performance</u> | <u>approved</u> | <u>demo</u> |            |     | <u>unverified</u> | <u>The DRPHW CI at the LaRC DAAC shall be sized to store and maintain the volume of EDOS Level 0 data for a 1-year period of time as derived from Table C-1 of Appendix C of the F&amp;PRS.</u> |
| <u>S-DSS-80430</u> | <u>new</u> | <u>B0</u> | <u>performance</u> | <u>approved</u> | <u>demo</u> |            |     | <u>unverified</u> | <u>The DRPHW CI at the GSFC DAAC shall be sized to store and maintain the volume of EDOS Level 0 data for a 1 year period of time as derived from Table C-1 of Appendix C of the F&amp;PRS.</u> |

## Table 2- Modify DSS/INS L4 Requirements

97-0869

Data reflects RTM baseline of 5/23/97

| L4 id       | req_key | rel                        | req_type           | req_status      | ver_method  | ver_status        | text   |
|-------------|---------|----------------------------|--------------------|-----------------|-------------|-------------------|--|
| S-DSS-01880 | 3989    | <del>B1</del><br><b>B0</b> | performance        | approved        | demo        | unverified        | The SDSRV CI shall <b>be capable of</b> support making archive data associated with a predefined ECS standard format available to the network in that format, <b>based on conditions 1 &amp; 2 of the F&amp;PRS DADS3125 requirement, in less than</b> within an average of <del>2</del> <b>5</b> minutes.   |
| S-DSS-01890 | 3990    | <del>B1</del><br><b>B0</b> | performance        | approved        | demo        | unverified        | The SDSRV CI shall <b>be capable of</b> support <del>retrieving and</del> making <b>a limited amount of data available to the communications network for electronic delivery in less than 60 seconds based on conditions 1,2 and 3 of the F&amp;PRS DADS3126 requirement.</b> archive data associated with a predefined ECS standard format available to the network in a different format within an avg. of 5 minutes.  |
| S-DSS-01970 | 9547    | <b>B0</b>                  | <b>performance</b> | <b>approved</b> | <b>demo</b> | <b>unverified</b> | The SDSRV CI shall have the capacity to accept a daily average of two (2) percent of the daily data throughput as expedited data for use in mission functions of calibration and anomalies.  |
| S-DSS-02010 | 9148    | <del>A</del><br><b>B1</b>  | performance        | approved        | demo        | <b>unverified</b> | The ACMHW CI shall be sized to support the number of operations/second derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.   |
| S-DSS-21570 | 9199    | A                          | performance        | approved        | demo        | <b>unverified</b> | The Science Management within the Data Server shall have the capacity to archive the total bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B. <b>The SDSRV CI shall have the capability to process Data Insert Requests at a rate sufficient to support the archiving of data volumes as derived from Tables C2 and C6 in the Appendix C of the F&amp;PRS.</b> |
| S-DSS-60950 | 9153    | <del>A</del><br><b>B1</b>  | performance        | approved        | demo        | <b>unverified</b> | The ACMHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data at the nominal rate specified in Section E.4 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.  |
| S-DSS-61010 | 9155    | <del>A</del><br><b>B1</b>  | performance        | approved        | demo        | <b>unverified</b> | The ACMHW CI at the LaRC DAAC shall be capable of ingesting Version 0 data by network data transfer at the nominal rate specified in Section E.4 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.   |
| S-DSS-90300 | 9176    | <del>A</del><br><b>B1</b>  | performance        | approved        | demo        | <b>unverified</b> | The DIPHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.5 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.   |

## Table 2- Modify DSS/INS L4 Requirements

97-0869

Data reflects RTM baseline of 5/23/97

| L4 id       | req_key | rel  | req_type    | req_status | ver_method | ver_status        | text   |
|-------------|---------|------|-------------|------------|------------|-------------------|--|
| S-DSS-90320 | 9178    | A-B1 | performance | approved   | demo       | <u>unverified</u> | The DIPHW CI at the LARC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.4 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.   |
| S-INS-61010 | 9488    | B0   | performance | approved   | test       | unverified        | The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the EDOS at a maximum daily rate that is <del>three times the nominal rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.</del> <b><u>1.2 times the nominal rate for GSFC in mid-1999, as derived from Appendix C of the F&amp;PRS.</u></b> |
| S-INS-61025 | 9490    | B0   | performance | approved   | test       | unverified        | The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the EDOS at a maximum daily rate that is <del>three times the nominal rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.</del> <b><u>1.2 times the nominal rate for LaRC in mid-1999, as derived from Appendix C of the F&amp;PRS.</u></b> |

### Table 3 - Delete DSS/INS L4 Requirements

97-0869

Data reflects RTM baseline of 5/23/97

| L4 id       | req_key | rel | req_type    | req_status | ver_method | ver_status | CCR | clarification | text   |
|-------------|---------|-----|-------------|------------|------------|------------|-----|---------------|--|
| S-DSS-01930 | -9189   | A   | performance | approved   | demo       |            |     |               | The Science Data Server and Science Management within the Data Server shall be capable of accepting and storing Data Products derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI while supporting standard product retrieval and browse data access loads.  |
| S-DSS-01940 | -9190   | A   | performance | approved   | demo       |            |     |               | The Science Data Server and Science Management within the Data Server shall be capable of ingesting product data at a maximum rate (three times the nominal rate derived from the number of bytes per day specified in Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI until the backlog is processed, while standard product retrieval and browse data access loads are suspended. |
| S-DSS-02000 | -9146   | A   | performance | approved   | demo       |            |     |               | The ACMHW CI shall be sized to support the bytes/second rates derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B on the electronic data distribution interfaces. (Supports user push/pull electronic distribution)   |
| S-DSS-21700 | -9157   | A   | performance | approved   | demo       |            |     |               | The WKSHW CI shall be sized to temporarily store the number of bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for   |

## Table 3 - Delete DSS/INS L4 Requirements

**97-0869**

**Data reflects RTM baseline of 5/23/97**

| L4 id       | req_key | rel | req_type    | req_status | ver_method | ver_status | CCR     | clarification | text  |
|-------------|---------|-----|-------------|------------|------------|------------|---------|---------------|---|
|             |         |     |             |            |            |            |         |               | Release B:  |
| S-DSS-21710 | -9169   | A   | performance | approved   | demo       |            |         |               | The WKSHW CI shall be sized to support a sustained I/O rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B in bytes/second of data.  |
| S-DSS-21720 | -9170   | A   | performance | approved   | demo       |            |         |               | The DRPHW CI shall be sized to support a sustained I/O rate of 1x the production volume from electronic distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B. |
| S-DSS-21730 | -9171   | A   | performance | approved   | demo       |            |         |               | The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of product data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.   |
| S-DSS-21740 | -9172   | A   | performance | approved   | demo       |            |         |               | The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of record based data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.  |
| S-DSS-60940 | -9151   | A   | performance | approved   | demo       |            |         |               | The ACMHW CI at the GSFC DAAC shall be capable of ingesting data at a maximum rate that is three times the nominal rate specified in Sections E.2 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.                       |
| S-DSS-60970 | -11233  | A   | performance | approved   | demo       | unverified | 96-1002 |               | The ACMHW CI at the GSFC DAAC shall be capable of ingesting NOAA NMC data at a  |

### Table 3 - Delete DSS/INS L4 Requirements

97-0869

Data reflects RTM baseline of 5/23/97

| L4 id       | req_key | rel | req_type    | req_status | ver_method | ver_status | CCR     | clarification | text   |
|-------------|---------|-----|-------------|------------|------------|------------|---------|---------------|--|
|             |         |     |             |            |            |            |         |               | nominal rate of TBD bytes per day from the DAO by network data transfer.   |
| S-INS-60736 | -9531   | B0  | performance | approved   | test       | unverified | 96-1355 |               | The ICLHW CI at the GSFC DAAC shall be sized to store and maintain the volume of EDOS data for a 1 year period of time as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304 CD-005. |

**Table 4 - Add DSS L4 Links to RBR#B  
97-0869**

**Data reflects RTM baseline of 5/23/97**

| <b>RBR_id</b>     | <b>L4_id</b>       |
|-------------------|--------------------|
| <u>DADS2778#B</u> | <u>S-DSS-80420</u> |
| <u>DADS2900#B</u> | <u>S-DSS-80430</u> |
| <u>DADS1235#B</u> | <u>S-DSS-01970</u> |
| <u>DADS0487#B</u> | <u>S-DSS-80420</u> |
| <u>DADS0487#B</u> | <u>S-DSS-80430</u> |

**Table 5 - Delete INS L4 Links to RBR#B  
97-0869**

**Data reflects RTM baseline of 5/23/97**

| <b>RBR_id</b>     | <b>L4_id</b>       |
|-------------------|--------------------|
| <u>DADS2778#B</u> | <u>S-INS-61010</u> |
| <u>DADS2900#B</u> | <u>S-INS-61025</u> |