

Table 2 – Level 4 text change

L4 id	req_key	r el	req_type	req_s tatus	verific ation_ metho d	text
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S-DPS-30610	5152	A	functional	appro ved	demo test	The PRONG CI shall process the TRMM spacecraft ancillary data to assess the quality of onboard attitude data to detect and note in metadata the following conditions: a. missing data b. erroneous data (i.e. invalid Euler angle, invalid Euler angle rate)
S-PLS-00020	4222	A	functional	appro ved	demo test	The PLANG CI shall generate Data Processing Requests from Production Requests.
S-PLS-00710	4262	A	functional	appro ved	demo test	The PLANG CI shall create a Candidate Plan based on the following: 1. Outstanding production requests, their priorities and estimated runtimes, 2. Ground events, their priority and estimated duration, 3. Planning production rules, 4. Mutual PGE accessibility of shared data, <u>Data Processing Request dependencies</u> 5. Completion notification status messages from Data Processing Requests.
S-DPS-21000	4419	A	functional	appro ved	demo test	The PRONG CI shall initiate execution of a PGE when the following is true: a. When all input data required to execute the PGE is available on local Data Processing subsystem storage resources. b. When the computer hardware resources are available to support execution of a PGE based on the computer hardware resource information associated with the Data Processing Request. c. When the Priority Information associated with the Data Processing Request has been fulfilled. d. When the maximum disk space requirements defined for the PGE are available to support the successful execution of the PGE e. When the maximum memory resources defined for the PGE are available to support the successful execution of the PGE f. When the CPU resources defined for the PGE are available to support the successful execution of the PGE
S-DPS-20440	4382	A	functional	appro ved	demo test	The PRONG CI shall take a pre-determined error recovery action if the level of validation required for execution in the Data Processing Operational Environment has not been attained by the PGE version identified in the Data Processing Request .
S-DPS-21530	4441	A	functional	appro ved	demo test	The PRONG CI shall assign a unique Granule Identifier to each Granule of a generated Data Product.
S-PLS-00260	4239	A	interface	appro ved	demo test	For each Production Request being processed, the PLANG CI shall interact with the appropriate instance of the SDSRV CI to determine whether the Granules needed to satisfy the request exist.
S-PLS-00460	4246	A	functional	appro ved	demo test	The PLANG CI shall maintain lists of Granules needed to satisfy Production Requests.
S-DPS-21460	4436	A	functional	appro ved	demo test	The PRONG CI shall use a SDP Toolkit API to associate Q/A-Specific Metadata with each Granule of a Data Product.
S-DPS-41920	9252	A	functional	appro ved	demo	The AITTL CI shall provide to the operations staff the capability to store a Science Software Archive Package to the Data Server.
S-DPS-41910	9253	A	functional	appro ved	demo	The AITTL CI shall provide to the operations staff the capability to retrieve a copy of a specific Science Software Archive Package.
S-DPS-42330	4641	A	functional	appro ved	demo	The AITTL CI shall provide the capability for the operations staff shall have the capability to run binary executables without impacting other ongoing DAAC activities.

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S-DPS-42630	4660	A	functional	appro ved	demo	The AITTL CI shall provide the capability for the operations staff shall have the capability of to run PGEs in a parallel test or for a commissioning period, utilizing the Planning and Processing Subsystems and the Product output flagged as "test".
<u>S-DPS-42625</u>	<u>NEW</u>	<u>A</u>	<u>functional</u>	<u>appro ved</u>	<u>demo</u>	<u>The AITTL CI shall provide the capability for operations staff to transfer PGE profile information, needed for production planning, from the AITTL CI integration and test environment PDPS database to the operational PDPS database following completion of the science software integration and test process.</u>
C-MSS-40000	4896	A	functional	appro ved	<u>demo</u>	The MSS configuration management application service at each site shall track the following items at the site by name and identifier: a. ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b. ECS releases and site baselines c. ECS hardware and software resources designated as configuration items d. specifications associated with configuration items e. technical documentation and test materials f. scientific algorithms, including software, data and test materials (DAACs only)
S-DPS-21330	4435	A	functional, <u>interface</u>	appro ved	demo	The PRONG CI shall provide Processing-Specific Metadata to the SDP Toolkit to be associated with each Granule of a generated Data Product.
S-DPS-21540	4442	A	interface	appro ved	demo	The PRONG CI shall destage all output data generated by a PGE to the SDSRV CI. (SEE Data Staging and Destaging Reqs for more details).
<u>S-DPS-60235</u>	<u>NEW</u>	<u>A</u>	<u>performance</u>	<u>appro ved</u>	<u>analysi s</u>	<u>The SPRHW CI shall be sized by assuming that the effective CPU throughput of any and all processors does not exceed 25% of the processor clock speed multiplied by the maximum number of operations the processor can perform per clock cycle.</u>