TABLE I: Table I represent the Component-to-Level_4 Reference Table for PLS Components. This Table shows the relationship between the components and their corresponding Level_4 requirements.

L4 ID	RTM Key	Rel	L4 Text	Rqt Type	Component Name	Comp Type	Dev Categor	Component Text
S-PLS-00811	9065	B	The PLANG CI shall reconcile any outstanding Data Processing Requests in the current Active Plan with the Data Processing Requests in the Candidate Plan to be activated.	functional	PlActivePlan	Object	Develop	This class is the specialization of the PlPlan class and contains the methods to manage the activation, canceling, and statusing of a plan.
S-PLS-00631	9055	B	The PLANG CI shall receive Data Availability Schedule Notices indicating arrival of Data Availability Schedules (DAS) for any remote ECS site, any IP, and any ODC that makes a Data Availability Schedule available.	functional	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00651	9057	B	The PLANG CI shall accept Data Availability Schedules (DAS), for remote ECS sites, IPs, and ODCs, based on the Data Availability Schedule Notices received.	functional	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00665	9061	B	The PLANG CI shall notify the operations staff (via GUI), about the arrival of any Data Availability Schedule Notice corresponding to a DAS.	functional	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00720	9063	B	The PLANG CI shall create a Candidate Plan based on the data availability schedules for remote ECS sites, EDOS, the IPs, and ODCs, as needed.	functional	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00850	9067	B	The PLANG CI shall have the capability to generate data availability schedules (and the corresponding metadata) that reflect the Data Products expected to be generated in the Production Plan.	functional	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00860	9068	B	The PLANG CI shall send the data availability schedules and the corresponding metadata to the designated Data Server.	interface	PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
S-PLS-00654	9059	B	The PLANG CI shall create a Data Availability Schedule (DAS) for EDOS based on FOS plans and schedules.	functional	PlDataTranferHistory	Object	Develop	This class will computes a moving average of the time it takes for the data to arrive from EDOS or another DAAC to the Data Server.
S-PLS-00604	9051	B	The PLANG CI shall receive advertisements from the IOS.	interface	PlDataTypeB	Object	Develop	This class describes the data types used or output from PGEs. The PlDataType class can be thought of as a proxy to the Earth Science Data Type of the Data Server. The class contains the information required by the Planning Subsystem to describe the inputs and outputs of a PGE.
S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlDPRB	Object	Develop	This class describes an individual run of a PGE.
S-PLS-00811	9065	B	The PLANG CI shall reconcile any outstanding Data Processing Requests in the current Active Plan with the Data Processing Requests in the Candidate Plan to be activated.	functional	PlDPRB	Object	Develop	This class describes an individual run of a PGE.
S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlDPRs	Object	Develop	This is a collector class for the PlDPR class, and contains methods to select Data Processing Requests from the PDPS database and to iterate through them. This class may be implemented by a suitable Rogue Wave template class.
S-PLS-02050	9077	B	The PLANG CI shall be able to provide plans to PLANG CIs at other sites.	functional	PlExportedPlanNB	Object	Develop	This file is an exported version of a plan. It would contain information such as the start and stop times, priority and inter-DAAC data dependencies of the jobs in a plan.
S-PLS-00635	9056	B	The PLANG CI shall receive Data Availability Schedule Notices indicating arrival of FOS plans and schedules	interface	PlFOSDASFile	Object	Develop	This file contains FOS Detailed Activity Schedules received from the Data Server.
S-PLS-00652	9058	B	The PLANG CI shall support the capability to retrieve FOS plans and schedules from the Data Server.	interface	PlFOSDASFile	Object	Develop	This file contains FOS Detailed Activity Schedules received from the Data Server.
S-PLS-00656	9060	B	The PLANG CI shall send a response message to Data Server upon receiving FOS plan and schedule, confirming the receiving of the data	interface	PlFOSDASFile	Object	Develop	This file contains FOS Detailed Activity Schedules received from the Data Server.
S-PLS-00405	10103	B	The PLANG CI shall allow the conditions for execution of Product Generation Executives (PGEs) to include the values of metadata	functional	PlMetaDataChecks	Object	Develop	This class provides methods to perform conditional checks of metadata for input data granules for a PGE. This object

			fields of input data.					participates in the implementation of Production Rules.
S-PLS-00100	9033	B	The PLANG CI shall accept Production Requests for On-Demand Data Products.	interface	PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
S-PLS-00140	9037	B	Upon acceptance of a Production Request for an On-Demand Data Product, the PLANG CI shall immediately forward its corresponding Data Processing Requests to the PRONG CI if predefined resource thresholds are not exceeded and if the input data is available.	interface	PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
S-PLS-00150	9038	B	The PLANG CI shall defer On-Demand Production Requests for future plan generation consideration when these On-Demand Production Requests are estimated to exceed a predefined resource threshold.	functional	PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
S-PLS-00160	9039	B	If a Production Request for an On-Demand Data Product exceeds a predefined resource usage threshold, the PLANG CI shall notify the operations staff that the Production Request has been deferred.	functional	PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
S-PLS-00165	9040	B	The PLANG CI shall allow the operator to specify the resource usage thresholds used to accept or defer On-Demand Production Requests.	functional	PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
S-PLS-00100	9033	B	The PLANG CI shall accept Production Requests for On-Demand Data Products.	interface	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00130	9036	B	The PLANG CI shall send a response message to the Data Server confirming the acceptance status of the received Production Request for On-Demand Data Products (" accepted", "rejected", "deferred") and reason for rejection of a request (if applicable).	interface	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00140	9037	B	Upon acceptance of a Production Request for an On-Demand Data Product, the PLANG CI shall immediately forward its corresponding Data Processing Requests to the PRONG CI if predefined resource thresholds are not exceeded and if the input data is available.	interface	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00150	9038	B	The PLANG CI shall defer On-Demand Production Requests for future plan generation consideration when these On-Demand Production Requests are estimated to exceed a predefined resource threshold.	functional	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00160	9039	B	If a Production Request for an On-Demand Data Product exceeds a predefined resource usage threshold, the PLANG CI shall notify the operations staff that the Production Request has been deferred.	functional	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00165	9040	B	The PLANG CI shall allow the operator to specify the resource usage thresholds used to accept or defer On-Demand Production Requests.	functional	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00170	9041	B	The PLANG CI shall accept updates (modifications/ cancellations) to Production Requests for On-Demand Data Products.	functional	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00190	9042	B	The PLANG CI shall forward a response message to the Data Server indicating acceptance / rejection status of the updates to the Production Request for On-Demand Data Products .	interface	PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
S-PLS-00407	9045	B	The PLANG CI shall maintain Product Generation Executives (PGEs) information necessary to support the production of tile or spatial-based output Granules.	functional	PlOrbitScheduledNB	Object	Develop	This class is a table used by the PGEs scheduled for the orbit to generate the DPRs and their input data.
S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlPGEActivity	Object	Develop	This class is a generalization of the PlActivity class. The class describes a Data Processing Request - a run of a PGE - within the plan.
S-PLS-00445	9046	B	The PLANG CI shall maintain multiple Production Strategies defined by sets of Production Rules to be used when preparing a Production Plan.	functional	PlPGEPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular PGE to a particular priority. It can be used to determine the priority of jobs using that PGE.
S-PLS-00455	9047	B	The PLANG CI shall support the capability that allows the operations staff to update (enter/ modify/ delete) the Production Strategies (via GUI).	functional	PlPGEPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular PGE to a particular priority. It can be used to determine the priority of jobs using that PGE.

S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
S-PLS-02010	10096	B	The PLANG CI shall be able to identify scheduling conflicts in site production plans.	functional	PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
S-PLS-02030	10097	B	The PLANG CI shall identify conflicts in site production plans caused by cross-DAAC data dependencies.	functional	PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
S-PLS-02040	10098	B	The PLANG CI shall be able to display (via GUI) cross-DAAC data dependencies in production plans.	functional	PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
S-PLS-02060	10099	B	The PLANG CI shall be able to account for cross-DAAC data dependencies in the site production plans it generates.	functional	PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
S-PLS-00845	9066	B	The PLANG CI shall support the capability to retrieve stored plans and their corresponding metadata from the Data Server based on specific queries.	interface	PlPlanGenerationUIB	Object	Develop	This class is an abstraction for the user interface to the planning workbench application. The class shows the functions available to the production scheduler in support of generating a plan.
S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlPlanningWorkbenchUI	Object	Develop	This class is an abstraction for the user interface to the planning workbench application. The interface will be developed with a suitable GUI builder tool.
S-PLS-01230	9070	B	The PLANG CI shall support the display (via GUI) of warning messages to the operations staff indicating revised completion times if processing will not complete per original schedule.	functional	PlPlanningWorkbenchUI	Object	Develop	This class is an abstraction for the user interface to the planning workbench application. The interface will be developed with a suitable GUI builder tool.
S-PLS-00700	10107	B	The PLANG CI shall create a Candidate Plan specifying a timeline for PGE execution that will satisfy Production Requests for Reprocessing and On-Demand Data Products consistent with available and allocated processing resources.	functional	PlPRCollectionNB	Object	Develop	This class is a list of the production requests either in processing or awaiting processing.
S-PLS-00445	9046	B	The PLANG CI shall maintain multiple Production Strategies defined by sets of Production Rules to be used when preparing a Production Plan.	functional	PlProdStratNB	Object	Develop	This class describes the production strategies used by the DAAC to determine data processing request priorities.
S-PLS-00455	9047	B	The PLANG CI shall support the capability that allows the operations staff to update (enter/ modify/ delete) the Production Strategies (via GUI).	functional	PlProdStratNB	Object	Develop	This class describes the production strategies used by the DAAC to determine data processing request priorities.
S-PLS-00445	9046	B	The PLANG CI shall maintain multiple Production Strategies defined by sets of Production Rules to be used when preparing a Production Plan.	functional	PlProdStratUINB	Object	Develop	This class is the user interface that allows the user to update/add/delete the production strategies.
S-PLS-00455	9047	B	The PLANG CI shall support the capability that allows the operations staff to update (enter/ modify/ delete) the Production Strategies (via GUI).	functional	PlProdStratUINB	Object	Develop	This class is the user interface that allows the user to update/add/delete the production strategies.
S-PLS-01210	9069	B	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry/query/update/ cancellation of Production Requests for Reprocessing, b. Query/update/cancellation of Production Requests for On-Demand Data Products.	functional	PlProductionRequestB	Object	Develop	This class is the instructions describing an order for data products. A production request typically specifies a request for a data product to be produced for an extended period of time (e. g., a month's worth of some product).
S-PLS-01210	9069	B	The PLANG CI shall provide the operations staff with the capability	functional	PlProductionRequestUI	Object	Develop	This class is an abstraction for the user interface to the

			to perform the following on-line functions, via GUI: a. Entry/query/update/ cancellation of Production Requests for Reprocessing, b. Query/update/cancellation of Production Requests for On-Demand Data Products.					production request editor application.
S-PLS-00165	9040	B	The PLANG CI shall allow the operator to specify the resource usage thresholds used to accept or defer On-Demand Production Requests.	functional	PlRescUseThreshNB	Object	Develop	This class is a table containing the resource usage thresholds for On-Demand production requests.
S-PLS-00741	10110	B	The PLANG CI shall be capable of separating AI&T activities from the operational production environment.	functional	PlResourceRequirement	Object	Develop	This class contains a description of the resource requirements of a PGE, which may be matched against the resource configuration known to the Planning subsystem.
S-PLS-02000	9072	B	The PLANG CI shall be able to accept scheduling information on external events which affect processing resources and operations	functional	PlRpResourceReservation	Object	Develop	This object keeps all the information about any time a request is made to use a resource for something other than its default activity.
S-PLS-00825	10074	B	The PLANG CI shall have the capability to identify all available input data (as specified in the Active Plan) that is currently awaiting quality assurance information.	functional	PlSubscriptionManager	Object	Develop	This class contains the main application methods associated with the subscription manager application
S-PLS-00827	10079	B	The PLANG CI shall update the quality assurance status of input data (if applicable) to reflect an expired QA time-out period if its quality assurance information has not been received within specified time periods.	procedural	PlSubscriptionManager	Object	Develop	This class contains the main application methods associated with the subscription manager application
S-PLS-00407	9045	B	The PLANG CI shall maintain Product Generation Executives (PGEs) information necessary to support the production of tile or spatial-based output Granules.	functional	PlTileScheduledNB	Object	Develop	This class is a table used by the PGEs scheduled for tiling to generate the DPRs and their input data.
S-PLS-02020	9074	B	The PLANG CI shall be able to provide operations personnel priorities and planned execution times of jobs causing scheduling conflicts within and between DAACs.	functional	PlTimeLineDisplay	Object	Develop	This class describes the user interface component that represents the graphical display of a plan. This will be implemented by a COTS or re-use component.
S-PLS-02070	10100	B	The PLANG CI shall be able to concurrently display information from multiple DAAC site production plans.	functional	PlTimeLineDisplay	Object	Develop	This class describes the user interface component that represents the graphical display of a plan. This will be implemented by a COTS or re-use component.
S-PLS-00445	9046	B	The PLANG CI shall maintain multiple Production Strategies defined by sets of Production Rules to be used when preparing a Production Plan.	functional	PlUserPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular user to a particular priority. It can be used to determine the priority of jobs submitted by that user.
S-PLS-00455	9047	B	The PLANG CI shall support the capability that allows the operations staff to update (enter/ modify/ delete) the Production Strategies (via GUI).	functional	PlUserPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular user to a particular priority. It can be used to determine the priority of jobs submitted by that user.

TABLE II: Table II shows the Release B PLS Components that are new to RTM and that shall be added to the RTM database via this CCR.

Component Name	Comp Type	Dev Categor	Component Text
PlDASNB	Object	Develop	This class contains the meta data information found in an FOS Detailed Activity Schedule.
PlDataTranferHistory	Object	Develop	This class will computes a moving average of the time it takes for the data to arrive from EDOS or another DAAC to the Data Server.
PlDataTypeB	Object	Develop	This class describes the data types used or output from PGEs. The PlDataType class can be thought of as a proxy to the Earth Science Data Type of the Data Server. The class contains information required by the Planning Subsystem to describe the inputs and outputs of a PGE.
PlDPRB	Object	Develop	This class describes an individual run of a PGE.
PlExportedPlanNB	Object	Develop	This file is an exported version of a plan. It would contain information such as the start and stop times, priority and inter-DAAC data dependencies of the jobs in a plan.
PlFOSDASFile	Object	Develop	This file contains FOS Detailed Activity Schedules received from the Data Server.
PlMetaDataChecks	Object	Develop	This class provides methods to perform conditional checks of metadata for input data granules for a PGE. This object participates in the implementation of Production Rules.
PlOnDemandManagerNB	Object	Develop	This class is the manager for all On-Demand production requests providing status, modification, cancellation and housekeeping services.
PlOnDemandPRNB	Object	Develop	This class is the specialization class which holds additional/modified attributes and operations needed for On-Demand production requests.
PlOrbitScheduledNB	Object	Develop	This class is a table used by the PGEs scheduled for the orbit to generate the DPRs and their input data.
PlOrbitScheduledNB	Object	Develop	This class is a table used by the PGEs scheduled for the orbit to generate the DPRs and their input data.
PlPGEPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular PGE to a particular priority. It can be used to determine the priority of jobs using that PGE.
PlPlanB	Object	Develop	This class represents an abstraction for a production plan. The class describes the metadata that will be stored for a plan within the PDPS database. The operations shown are an abstraction for those used within the planning framework.
PlPlanGenerationUIB	Object	Develop	This class is an abstraction for the user interface to the planning workbench application. The class shows the functions available to the production scheduler in support of generating a plan.
PlPRCollectionNB	Object	Develop	This class is a list of the production requests either in processing or awaiting processing.
PlProdStratNB	Object	Develop	This class describes the production strategies used by the DAAC to determine data processing request priorities.
PlProdStratUINB	Object	Develop	This class is the user interface that allows the user to update/add/delete the production strategies.
PlProductionRequestB	Object	Develop	This class is the instructions describing an order for products. A production request typically specifies a request for a data product to be produced for an extended period of time (e. g., a month's worth of some product).
PlRpResourceReservation	Object	Develop	This object keeps all the information about any time a request is made to use a resource for something other than its default activity.
PlRescUseThreshNB	Object	Develop	This class is a table containing the resource usage thresholds for On-Demand production requests.
PlTileScheduledNB	Object	Develop	This class is a table used by the PGEs scheduled for tiling to generate the DPRs and their input data.
PlUserPriorityNB	Object	Develop	This class is part of the production strategies which relates a particular user to a particular priority. It can be used to determine the priority of jobs submitted by that user.

TABLE III. Table III identifies the Level_4 requirement verification status updates.

L4 id	req_key	rel	req_type	req_stat	ver_method	ver_status	text
S-PLS-00100	9033	B	interface	approved	test	unverified	The PLANG CI shall accept Production Requests for On-Demand Data Products.
S-PLS-00130	9036	B	interface	approved	test	unverified	The PLANG CI shall send a response message to the Data Server confirming the acceptance status of the received Production Request for On-Demand Data Products (" accepted", "rejected", "deferred") and reason for rejection of a request (if applicable).
S-PLS-00140	9037	B	interface	approved	test	unverified	Upon acceptance of a Production Request for an On-Demand Data Product, the PLANG CI shall immediately forward its corresponding Data Processing Requests to the PRONG CI if predefined resource thresholds are not exceeded and if the input data is available.
S-PLS-00150	9038	B	functional	approved	test	unverified	The PLANG CI shall defer On-Demand Production Requests for future plan generation consideration when these On-Demand Production Requests are estimated to exceed a predefined resource threshold.
S-PLS-00160	9039	B	functional	approved	test	unverified	If a Production Request for an On-Demand Data Product exceeds a predefined resource usage threshold, the PLANG CI shall notify the operations staff that the Production Request has been deferred.
S-PLS-00165	9040	B	functional	approved	test	unverified	The PLANG CI shall allow the operator to specify the resource usage thresholds used to accept or defer On-Demand Production Requests.
S-PLS-00170	9041	B	functional	approved	test	unverified	The PLANG CI shall accept updates (modifications/ cancellations) to Production Requests for On-Demand Data Products.
S-PLS-00190	9042	B	interface	approved	test	unverified	The PLANG CI shall forward a response message to the Data Server indicating acceptance / rejection status of the updates to the Production Request for On-Demand Data Products .
S-PLS-00405	10103	B	functional	approved	test	unverified	The PLANG CI shall allow the conditions for execution of Product Generation Executives (PGEs) to include the values of metadata fields of input data.
S-PLS-	9045	B	functiona	approved	test	unverified	The PLANG CI shall maintain Product Generation

00407			l				Executives (PGEs) information necessary to support the production of tile or spatial-based output Granules.
S-PLS-00445	9046	B	functional	approved	test	unverified	The PLANG CI shall maintain multiple Production Strategies defined by sets of Production Rules to be used when preparing a Production Plan.
S-PLS-00455	9047	B	functional	approved	test	unverified	The PLANG CI shall support the capability that allows the operations staff to update (enter/ modify/ delete) the Production Strategies (via GUI).
S-PLS-00604	9051	B	interface	approved	test	unverified	The PLANG CI shall receive advertisements from the IOS.
S-PLS-00631	9055	B	functional	approved	test	unverified	The PLANG CI shall receive Data Availability Schedule Notices indicating arrival of Data Availability Schedules (DAS) for any remote ECS site, any IP, and any ODC that makes a Data Availability Schedules available.
S-PLS-00635	9056	B	interface	approved	test	unverified	The PLANG CI shall receive Data Availability Schedule Notices indicating arrival of FOS plans and schedules
S-PLS-00651	9057	B	functional	approved	test	unverified	The PLANG CI shall accept Data Availability Schedules (DAS), for remote ECS sites, IPs, and ODCs, based on the Data Availability Schedule Notices received.
S-PLS-00652	9058	B	interface	approved	test	unverified	The PLANG CI shall support the capability to retrieve FOS plans and schedules from the Data Server.
S-PLS-00654	9059	B	functional	approved	test	unverified	The PLANG CI shall create a Data Availability Schedule (DAS) for EDOS based on FOS plans and schedules.
S-PLS-00656	9060	B	interface	approved	test	unverified	The PLANG CI shall send a response message to Data Server upon receiving FOS plan and schedule, confirming the receiving of the data
S-PLS-00665	9061	B	functional	approved	test	unverified	The PLANG CI shall notify the operations staff (via GUI), about the arrival of any Data Availability Schedule Notice corresponding to a DAS.
S-PLS-00700	10107	B	functional	approved	test	unverified	The PLANG CI shall create a Candidate Plan specifying a timeline for PGE execution that will satisfy Production Requests for Reprocessing and On-Demand Data Products consistent with available and allocated processing resources.
S-PLS-00720	9063	B	functional	approved	test	unverified	The PLANG CI shall create a Candidate Plan based on the data availability schedules for remote ECS sites, EDOS, the IPs, and ODCs, as needed.
S-PLS-00741	10110	B	functional	approved	test	unverified	The PLANG CI shall be capable separating AI&T activities from the operational production environment.
S-PLS-00811	9065	B	functional	approved	test	unverified	The PLANG CI shall reconcile any outstanding Data Processing Requests in the current Active Plan with the

							Data Processing Requests in the Candidate Plan to be activated.
S-PLS-00825	10074	B	functional	approved	demo	unverified	The PLANG CI shall have the capability to identify all available input data (as specified in the Active Plan) that is currently awaiting quality assurance information.
S-PLS-00827	10079	B	procedural	approved	demo	unverified	The PLANG CI shall update the quality assurance status of input data (if applicable) to reflect an expired QA timeout period if its quality assurance information has not been received within specified time periods.
S-PLS-00845	9066	B	interface	approved	test	unverified	The PLANG CI shall support the capability to retrieve stored plans and their corresponding metadata from the Data Server based on specific queries.
S-PLS-00850	9067	B	functional	approved	test	unverified	The PLANG CI shall have the capability to generate data availability schedules (and the corresponding metadata) that reflect the Data Products expected to be generated in the Production Plan.
S-PLS-00860	9068	B	interface	approved	test	unverified	The PLANG CI shall send the data availability schedules and the corresponding metadata to the designated Data Server.
S-PLS-01210	9069	B	functional	approved	test	unverified	The PLANG CI shall provide the operations staff with the capability to perform the following on-line functions, via GUI: a. Entry/query/update/ cancellation of Production Requests for Reprocessing, b. Query/update/cancellation of Production Requests for On-Demand Data Products.
S-PLS-01230	9070	B	functional	approved	test	unverified	The PLANG CI shall support the display (via GUI) of warning messages to the operations staff indicating revised completion times if processing will not complete per original schedule.
S-PLS-02000	9072	B	functional	approved	test	unverified	The PLANG CI shall be able to accept scheduling information on external events which affect processing resources and operations
S-PLS-02010	10096	B	functional	approved	test	unverified	The PLANG CI shall be able to identify scheduling conflicts in site production plans.
S-PLS-02020	9074	B	functional	approved	test	unverified	The PLANG CI shall be able to provide operations personnel priorities and planned execution times of jobs causing scheduling conflicts within and between DAACs.
S-PLS-02030	10097	B	functional	approved	test	unverified	The PLANG CI shall identify conflicts in site production plans caused by cross-DAAC data dependencies.
S-PLS-02040	10098	B	functional	approved	test	unverified	The PLANG CI shall be able to display (via GUI) cross-DAAC data dependencies in production plans.

S-PLS-02050	9077	B	functional	approved	test	unverified	The PLANG CI shall be able to provide plans to PLANG CIs at other sites.
S-PLS-02060	10099	B	functional	approved	test	unverified	The PLANG CI shall be able to account for cross-DAAC data dependencies in the site production plans it generates.
S-PLS-02070	10100	B	functional	approved	test	unverified	The PLANG CI shall be able to concurrently display information from multiple DAAC site production plans.

TABLE IV: Table IV represents the Link Table and shows the links that shall be created via this CCR.

L4 ID	Component Name
S-PLS-00811	PlActivePlan
S-PLS-00631	PlDASNB
S-PLS-00651	PlDASNB
S-PLS-00665	PlDASNB
S-PLS-00720	PlDASNB
S-PLS-00850	PlDASNB
S-PLS-00860	PlDASNB
S-PLS-00654	PlDataTranferHistory
S-PLS-00604	PlDataTypeB
S-PLS-00741	PlDPRB
S-PLS-00811	PlDPRB
S-PLS-00741	PlDPRs
S-PLS-02050	PlExportedPlanNB
S-PLS-00635	PlFOSDASFile
S-PLS-00652	PlFOSDASFile
S-PLS-00656	PlFOSDASFile
S-PLS-00405	PlMetaDataChecks
S-PLS-00100	PlOnDemandManagerNB
S-PLS-00140	PlOnDemandManagerNB
S-PLS-00150	PlOnDemandManagerNB
S-PLS-00160	PlOnDemandManagerNB
S-PLS-00165	PlOnDemandManagerNB
S-PLS-00100	PlOnDemandPRNB
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S-PLS-00140	PlOnDemandPRNB
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S-PLS-00165	PlOnDemandPRNB
S-PLS-00170	PlOnDemandPRNB
S-PLS-00190	PlOnDemandPRNB
S-PLS-00407	PlOrbitScheduledNB
S-PLS-00741	PlPGEActivity
S-PLS-00445	PlPGEPriorityNB
S-PLS-00455	PlPGEPriorityNB
S-PLS-00741	PlPlanB
S-PLS-02010	PlPlanB
S-PLS-02030	PlPlanB
S-PLS-02040	PlPlanB
S-PLS-02060	PlPlanB
S-PLS-00845	PlPlanGenerationUIB
S-PLS-00741	PlPlanningWorkbenchUI
S-PLS-01230	PlPlanningWorkbenchUI
S-PLS-00700	PlPRCollectionNB
S-PLS-00445	PlProdStratNB

S-PLS-00455	PlProdStratNB
S-PLS-00445	PlProdStratUINB
S-PLS-00455	PlProdStratUINB
S-PLS-01210	PlProductionRequestB
S-PLS-01210	PlProductionRequestUI
S-PLS-00165	PlRescUseThreshNB
S-PLS-00741	PlResourceRequirement
S-PLS-02000	PlRpResourceReservation
S-PLS-00825	PlSubscriptionManager
S-PLS-00827	PlSubscriptionManager
S-PLS-00407	PlTileScheduledNB
S-PLS-02020	PlTimeLineDisplay
S-PLS-02070	PlTimeLineDisplay
S-PLS-00445	PlUserPriorityNB
S-PLS-00455	PlUserPriorityNB