

PGE Number Priority	Integration Testing at the SCF (% complete/date completed)	Verification at the SCF (% complete/date completed)	Delivery to CM (% complete/date completed)	ASDC Promoted to Production	Comments
Build 1 -- NCT#3 Support					
CER1.0P2 -- New RDR L0	11/18/2008 (>75%)	1/15/2009	2/1/2009		<p>Expected to be completed earlier than the larger CER1.1P8 software</p> <p>10/21/08: Sample RDRs from IDPS expected in late Oct, with proxy filled RDRs due to show up in Nov.</p> <p>11/18/08: Waiting for Zero-fill and proxy data to complete this effort.</p> <p>12/02/08: Zero-fill proxy data received, however there are problems in this data that should be fixed in the actual proxy data, which should be received as soon as it is available and released by Raytheon.</p> <p>12/17/08: Waiting for actual proxy data to complete updates and testing.</p>
CER1.0P2 -- New RDR Eph/Att	11/18/2008 (>75%)	1/15/2009	2/1/2009		<p>Expected to be completed earlier than the larger CER1.1P8 software</p> <p>10/21/08: Sample RDRs from IDPS expected in late Oct, with proxy filled RDRs due to show up in Nov.</p> <p>11/18/08: Waiting for Zero-fill and proxy data to complete this effort.</p> <p>12/02/08: Zero-fill proxy data received, however there are problems in this data that should be fixed in the actual proxy data, which should be received as soon as it is available and released by Raytheon.</p> <p>12/17/08: Waiting for actual proxy data to complete updates and testing.</p>
Scripts	11/15/2008 (0%)	1/15/2009	2/1/2009		<p>12/17/08: Work has begun on creating the scripts to run the new RDR preprocessor. Work will be completed once we have actual proxy RDRs.</p>

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CERESlib C-Metadata	9/15/2008 (>75%)	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
Test Plans & other documentation	N/A	1/15/2009	2/1/2009		Expected to be completed earlier than the larger CER1.1P8 software
CER1.1P8	1/15/2009 (25-50%)	2/15/2009	3/1/2009		Rel1 to include the following functionality -- Read NPP L0, process instrument parameters necessary for geolocation and radiance conversion, conversion of counts to radiance, output of time, raw and drift correct radiance counts, co-lat and long, in a BDS-Like HDF format along with some QC reports 10/06/08: Some re-work was found to be necessary due to the Toolkit requiring C-arrays that were initially defined as C++ vectors. 12/02/08: Code is now being integrated and tested to ensure that all the converted code will work together. These are initial tests and there is still a lot of testing left to do before it will be certified as deliverable.
CER1.2P1	9/15/2008	2/15/2009	3/1/2009		Minimal changes anticipated to existing C-code
Scripts	1/15/2009	2/15/2009	3/1/2009		
Test Plans & other documentation	N/A	2/1/2009	3/1/2009		Updates may or may not be required for this to the documentation.
Build 2 -- PreLaunch Freeze					
CER1.2P1	6/15/2009	8/15/2009	10/15/2009		Fully functional support for Terra/Aqua and NPP
CER1.0P2 -- Updated RDR L0	6/15/2009	8/15/2009	10/15/2009		Update as necessary after NCT#3 testing. This may include bug fixes or changes in RDR format from the documented formats.

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CER1.0P2 -- Updated RDR Eph/Att	6/15/2009	8/15/2009	10/15/2009		Update as necessary after NCT#3 testing. This may include bug fixes or changes in RDR format from the documented formats.
Test Plans & other documentation	N/A	9/15/2009	10/15/2009		Updates may or may not be required for this to the documentation.
CER1.1P8	10/15/2009	11/30/2009	12/1/2009		Fully functional support for Terra/Aqua and NPP
Test Plans & other documentation	N/A	11/30/2009	12/1/2009		Updates may or may not be required for this to the documentation.
Build 3					
CER1.3P1	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
CER1.3P2	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
CER1.3P3	TBD	TBD	TBD		Work will not begin on this PGE until after all updates to support NPP launch have been completed
Test Plans & other documentation	N/A	TBD	TBD		Updates may or may not be required for this to the documentation.
Build 4 -- Post Launch Edition1 Updates					
CER1.1P8	Launch+5	Launch+7	Launch+9		Updates to ancillary data and possible problems found on orbit
CER1.2P1	Launch+5	Launch+7	Launch+9		Updates to ancillary data and possible problems found on orbit
CER1.3P1	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP
CER1.3P2	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP

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CER1.3P3	Launch+5	Launch+7	Launch+9		Updates to any ancillary data files and any problems found with updates to support NPP
Test Plans & other documentation	N/A	TBD	TBD		Updates may or may not be required for this to the documentation.

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CER1.1P1-6	New IBM Platform	Code for delivery for SCCR#610 can support this effort. (1 - 50%)	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. 9/22/08: New platform is available. Work to transfer over existing code and compile the main subsystem will begin this week. 10/08/08: Work to get the correct set up for CERESlib, etc. has begun. Currently still working to compile all of the code. 11/18/08: Ada compiler requires 32-bit TK, waiting for it to be completed. 12/02/08: No updates at this time for this PGE. Waiting for conformation that the 32-bit TK has been built and that CERESlib has also been built and tested under the 32-bit TK. 12/17/08: GNAT Ada compiler installed on asdcsm1. Successful compilation of the subsystem has occurred, however a problem with an HDF routine has been discovered and is now being investigated.

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CER1.2P1 (already in C)	New IBM Platform	6/26/2008 (1-75%)	Ready for port to new platform 6/26/2008	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code is already in C and a run of this code supporting Terra and Aqua can be performed whenever the new system is available. It may be possible to update the code to use the new C-version of CERESlib Metadata if it is available before the new system is ready for testing. 9/22/08: New platform is available. Work to transfer over the existing code and compile this PGE will begin this week. 10/21/08: The code has been compiled and run on the x86 testbed, however the output products do not match expected results and may be due to little-endian. This effort has been put on hold to play with the Ada compiler on the x86 platform. 12/17/08: Updates to do a byte-swap on a Pre-ES8 have been made on asdcsm1 and the data has been found to be scientifically equivalent to data created on warlock.
CER1.3P1	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. 9/22/08: New platform is available. Work to transfer over the existing code and compile this PGE will begin this week. 12/17/08: GNAT Ada compiler installed on asdcsm1. Successful compilation of the subsystem has occurred, however a problem with an HDF routine has been discovered and is now being investigated.

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CER1.3P2	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. 9/22/08: New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.
CER1.3P3	New IBM Platform	Code for delivery for SCCR#610 can support this effort.	Ready for port to new platform 6/26/08	Supported by existing delivery for SCCR #610, new expected output would need to be provided.		Code supports Terra and Aqua Ops on the Target Machine. Requires Ada compiler, Toolkit, CERESlib and possible new C-version of CERESlib Metadata. 9/22/08: New platform is available. Work to transfer over the existing code and compile this PGE will begin this week.
Updates to Test Plan/Ops Manual	New IBM Platform	TBD	TBD	TBD		Update to add information needed for CM and SIT to test on the new IBM Platform
CER1.1P1-7	Warlock/New IBM Platform	10/15/2008 (1-25%)	11/15/2008	1/15/2009		Code would support Terra/Aqua and NPP. Updates to include new C-version of CERESlib Metadata and changes to allow support of NPP-FM5. 10/21/08: Updates to run the FM5 calibration data have been started and are now being tested. Tests are currently failing and investigation into the failure is being done now.
CER1.2P1 (already in C)	Warlock/New IBM Platform	10/15/2008	11/15/2008	1/15/2009		Code would support Terra/Aqua and NPP. Updates to include new C-version of CERESlib Metadata and changes to allow support of NPP-FM5.
Updates to Test Plan/Ops Manual	New IBM Platform	TBD	TBD	TBD		Update to add information needed for CM and SIT to test on the new IBM Platform
<p>NOTE: The first two PGEs listed above would be existing versions of the Terra/Aqua code and would be ready for testing on the new platform as soon as it has been configured for this testing. The second two PGEs would be modified to support NPP-FM5, which should only require minor updates to each PGE.</p>						