

File represents rtm implementation of ESDIS CCR 505-01-41-089. This CCR adds L3s and RBRs to RTM with link tables between the L3s and the RBRs. Revision is for RTM VERSION012696; incorporates review comments; and provides the basis for later work with unconfigured, LEVEL_4, and LEVEL_2 classes. Later work will be done with one or more additional CCRs.

START TABLE for L3_F&PRS

Table L3 F&PRS (New L3 requirements)

REQ_SOURCE_ID	KEY	TEXT	CLARIFICATION	REQ_TYPE
<u>SDPS-0200</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting through the use of geographical masking (land/sea mask, snow/ice mask) for standard production as well as reprocessing.</u>		<u>functional</u>
<u>SDPS-0210</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support the application of lossless compression and decompression techniques on data set files for removal of data set fill pixels, for standard production as well as reprocessing.</u>		<u>functional</u>
<u>SDPS-0220</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting through swath width reduction by selection of a range of pixels from each swath row, for standard production as well as reprocessing.</u>		<u>functional</u>
<u>SDPS-0230</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting by spectral band(s) selection, for standard production as well as reprocessing.</u>		<u>functional</u>

Table L3 F&PRS (Other Attributes For new L3s)

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PARAGRAPH_ID	REQ_SOURCE	REQ_STATUS	REQ_TITLE	SEGMENT_ALLOCATION
<u>SDPS-0200</u>	<u>Original</u>	<u>approved</u>	<u>Geographical masking subsetting support</u>	<u>SDPS</u>
<u>SDPS-0210</u>	<u>Original</u>	<u>approved</u>	<u>Lossless compression subsetting support</u>	<u>SDPS</u>
<u>SDPS-0220</u>	<u>Original</u>	<u>approved</u>	<u>Swath width reduction subsetting support</u>	<u>SDPS</u>
<u>SDPS-0230</u>	<u>Original</u>	<u>approved</u>	<u>Spectral band selection subsetting support</u>	<u>SDPS</u>

END TABLE for L3_F&PRS

START TABLE for REQ_BY_REL

Table REQ BY REL (New RBRs)

paragraph_id	requirement_key	text	req_interpretation	functionality_status	req_type	rel ease	req_category	functionality_status

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<u>SDPS-0200#B</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting through the use of geographical masking (land/sea mask, snow/ice mask) for standard production as well as reprocessing.</u>		<u>fully met</u>	<u>functiona l</u>	<u>B</u>	<u>missi on fulfilment</u>	<u>fully met</u>
<u>SDPS-0210#B</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support the application of lossless compression and decompression techniques on data set files for removal of data set fill pixels, for standard production as well as reprocessing.</u>		<u>fully met</u>	<u>functiona l</u>	<u>B</u>	<u>missi on fulfilment</u>	<u>fully met</u>

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<u>SDPS-0220#B</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting through swath width reduction by selection of a range of pixels from each swath row, for standard production as well as reprocessing.</u>		<u>fully met</u>	<u>functiona l</u>	<u>B</u>	<u>missi on fulfilment</u>	<u>fully met</u>
<u>SDPS-0230#B</u>		<u>In support of reducing production data dependency flow bandwidth consumption during inter-DAAC network transmission, the ECS shall support subsetting by spectral band(s) selection, for standard production as well as reprocessing.</u>		<u>fully met</u>	<u>functiona l</u>	<u>B</u>	<u>missi on fulfilment</u>	<u>fully met</u>

Table REQ BY REL (Other Attributes For new RBRs)

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REQ_NUMBER	REQ_TITLE	SEGMENT _ALLOCA TION	S_VERIFICATION_MET HOD	A_VERIFICATION_MET HOD
<u>SDPS-0200#B</u>	<u>Geographical masking subsetting support</u>	<u>SDPS</u>	<u>Demo</u>	<u>Demo</u>
<u>SDPS-0210#B</u>	<u>Lossless compression subsetting support</u>	<u>SDPS</u>	<u>Demo</u>	<u>Demo</u>
<u>SDPS-0220#B</u>	<u>Swath width reduction subsetting support</u>	<u>SDPS</u>	<u>Demo</u>	<u>Demo</u>
<u>SDPS-0230#B</u>	<u>Spectral band selection subsetting support</u>	<u>SDPS</u>	<u>Demo</u>	<u>Demo</u>

END TABLE for REQ_BY_REL

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START TABLE for from L3_FPRS (to REQ_BY_REL)

Table Links (For RBRs to L3s)

Make the following ADDITIONS to links for the relationship L3_F&PRS (REQ_SOURCE_ID) to REQ_BY_REL (PARAGRAPH_ID)

**L3_F&PRS REQ_BY_RE
L**

SDPS-0200	SDPS- 0200#B
SDPS-0210	SDPS- 0210#B
SDPS-0220	SDPS- 0220#B
SDPS-0230	SDPS- 0230#B

END TABLE for from L3_F&PRS (to REQ_BY_REL)