

January 26, 1998

To: Distribution
From: 423/ESDIS Project Configuration Management Office
Subject: 423/ESDIS Project Configuration Control Board (CCB) Minutes

The ESDIS Project CCB was held on Wednesday, January 14, 1998 @ 10:30 a.m. in Building 32, Room S241 conference room. The CCB meeting was chaired by Mr. John Dalton, Deputy Project Manager for ESDIS.

CCR Disposition Summary:

<u>CCR #</u>	<u>Description</u>	<u>Disposition</u>
423-01-38-001-E	Baseline the EPGS Project System Req. Doc.	Approved
505-01-30-017-A	Update the EGS Architecture Diagram to L2 Document	Approved
505-01-30-018	AM-1 Instrument Data Rate Update to L2 & L3	Approved
505-01-30-019-B	Add L7 On-Orbit Req. to ESDIS L2 Doc.	Approved w/ comment
423-10-36-003-A	Increase LPGS L1 Product Generation Capability	Approved
505-01-41-163	General User Access to Data Acquisition Request Tool	Deferred

The following CCR's were discussed and disposition was rendered:

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-38-001-E	Baseline the EPGS Project System Level 2 Requirement Document	M. Simons/505
	L2 Req. EPGS Document, Volume 7, #423-10-01-7	

Disposition: **APPROVED as submitted.** The CCB agreed to baseline the EOS Polar Ground System Level 2 Requirements document as submitted. The wording in requirement 3.4.6 is TBD because it was determined to be too stringent for future missions seeking EPGS support. Landsat and PM Project were in agreement. The following actions were assigned but do not hold up approval or publication of the document. Concurrence was received from AM, PM, CHEM, Landsat, TRMM, DAACs, EDOS, FOS, and EPGS. No cost or schedule impacts associated with this change.

ACTION ITEMS:

- #39-1 **M. Rackley**-determine future associated Level 3 schedule interface.
- #39-2 **D. Elwell**-complete Level 3 requirements document. This was started in 11/97.

#39-3 **M. Simons**-resolve TBD in requirement 3.4.6.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-30-017-A	Update the EGS Architecture Diagrams in Level 2 documentation	M. Simons/505

L2 Req. Overall for EOSDIS, Vol. 0, #423-10-01-0
L2 Req. for EDOS, Vol. 2, #423-10-01-2
L2 Req. for ETS, Vol 3, #423-10-01-3
L2 Req. for EBnet, Vol 6, #423-10-01-6

Disposition: **Approved as submitted.** The EGS architecture diagram will be updated in one place, namely in the Level 2 Volume document. The diagram will be deleted from Volumes 2, 3, and 6. Concurrence was received from DAACs, EDOS, ETS, NISN. No cost or schedule impacts associated with this change.

Routine Document Change Notice (DCN) publication for affected documentation is in process. Changes will be identified as CH08, CH03, CH02 and CH03, respectively.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-30-018	AM-1 Instrument Data Rate Update	M. Simons/505

L2 Req. Overall for EOSDIS, Vol 0, #423-10-01-0
ECS F&P Requirements Specification, #423-41-02

Disposition: **APPROVED as submitted.** The CCB agreed to the proposed changes to Level 2 and Level 3 documents to update two AM-1 Instruments (MISR and MOPITT) data rates and fix some inconsistencies in the ECS Level 3 specification of data paths and data rates along the paths. AM Project concurrence was received. There is a need to update PM and CHEM data rates and will be handled in a future CCR that is already in process. No cost or schedule impact associated with this change.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-30-019-B	Add Landsat 7 On-orbit Requirements to ESDIS L2 Doc.	M. Simons/505

L2 Req. Overall, for EOSDIS, Vol 0, #423-10-01-0

Disposition: **APPROVED with comment.** The CCB agreed to update the ESDIS Level 2 document to include EPGS requirements for supporting Landsat 7 on-orbit operations. One real-time change was made to Appendix D, page D-2 change from: "LPGS" to: "LPS" and a statement to the comments section was added as follows; "This is raw data rate without accounting for overhead associated with packaging". Concurrence was received from Landsat, DAACs, LPGS, NISN and EPGS.

Routine Document Change Notice (DCN) publication for affected document is in process. Changes will be identified as CH10.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
423-10-36-003-A	Increase LPGS Level 1 Product Generation Capability	W. Watt/505
	ECS F&P Requirements Specification, 423-41-02 Landsat 7 Level 1 MSRD	

Disposition: **APPROVED as submitted.** The CCB agreed to increase LPGS Level 1 product generation capability from 25 scenes per day to 100 scenes per day. Concurrence was received from Landsat DAACs, EDOS, LPGS, NISN and EBnet. Cost impact received from ECS and Landsat to be funded by contingency. No schedule impact associated with this change. This change will be negotiated along with ECS MOD 53, and CCR 505-41-55-001-C to baseline the LPGS ICD.

Routine Document Change Notice (DCN) publication for affected documentation is in process. Changes will be identified as CH57 and CH01, respectively.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-41-163	General User Access to Data Acquisition Request Tool	K. McDonald/505
	ECS F&P Requirements Specification, 423-41-02	

Disposition: **APPROVED as submitted.** The CCR was conditionally approved at the 1/14/97 CCB meeting pending resolution of the following issues. On 1/27/98 all actions were completed and J. Dalton and R. Obenschain approved the CCR. Routine Document Change Notice publication is in process.

Action Item #38-1: K. McDonald-compare the bottom line cost of supporting ASTER with the existing X client and Landsat with a Web tool versus the cost of supporting both with a generalized Web tool.

Comments: Landsat science team reviewed aster x-client implementation. Their

requirements are significantly different, (much simpler) than aster. And requires a different interface to the flight operations. Therefore, no advantage to considering Landsat and ASTER DAR tool together.

STATUS: CLOSED

Action Item #38-2: K. McDonald-get updated ECS ROM which confirms 20% cost reductions

Due: 1/27/98

Comments: Updated ECS ROM received 1/23/98 reflecting a reduction in cost of approximately 23%.

Status: CLOSED

Action Item #38-3: K. McDonald-Discuss requirements and cost versus science value with Dr. Reber.
Due: 1/27/98
Comments: Dr. Reber concurrence has been received and agrees to the scientific merit of implementing the additional capability describe in the CCR.
Status: CLOSED

OPEN CCB ACTION ITEMS STATUS

Action Item #34-1: **M. Simons**-generate CCR to update the MODIS data rate.
Related CCR: 505-01-41-154-A L2/3 Update PM-1 Mission, EPGS and NOAA
Comments: Note: this action is pending update to the PM UIID. CCR due to be submitted 2/98.
Due: 8/14/97
Status: Open

Action Item #35-1: **D. Filson**-Identify what I/F documents require updating for the removal of Kerberos.
Related CCR: 505-41-38-003, Delete Kerberos in the ECS AM-1 SAS ICD
Comments: CCR's have been submitted on the AM-1 SAS ICD, ASTER ICD, NCCDS MOC ICD, AM-1 FDD ICD, Ebnet EOC ICD. CCR's need to be submitted on the SCF IRD, SCF ICD, SDVF ICD and the SSIM EOC ICD.
Due: 11/26/97
Status: Open

Action Item #38-1: K. McDonald-compare the bottom line cost of supporting ASTER with the existing X client and Landsat with a Web tool versus the cost of supporting both with a generalized Web tool.
Comments: Landsat science team reviewed aster x-client implementation. Their requirements are significantly different, (much simpler) than aster. And requires a different interface to the flight operations. Therefore, no advantage to considering Landsat and ASTER DAR tool together.
STATUS: CLOSED

Action Item #38-2: K. McDonald-get updated ECS ROM which confirms 20% cost reductions
Due: 1/27/98
Comments: Updated ECS ROM received 1/23/98 reflecting a reduction in cost.
Status: CLOSED

Action Item #38-3: K. McDonald-Discuss requirements and cost versus science value with Dr. Reber.
Due: 1/27/98
Comments: Dr. Reber agrees with ESDIS approach.
Status: CLOSED

Action Item #39-1: M. Rackley-determine future associated Level 3 schedule interface.
Related CCR: 505-01-38-001-E "B/L the EPGS L2 Req. Document
Due: 2/12/98
Status: OPEN

Action Item #39-2: D. Elwell-complete Level 3 requirements document.
Related CCR: 505-01-38-001-E "B/L the EPGS L2 Req. Document
Due: 2/12/98
Comments: Document started 11/97.
Status: OPEN

Action Item#39-3: M. Simons-resolve TBD in requirement 3.4.6.
Related CCR: 505-01-38-001-E "B/L the EPGS L2 Req. Document
Due: 2/12/98
Status: OPEN

Signature on file

J. Dalton/423
ESDIS Deputy Project Manager

Distribution:
Attendees
ESDIS Project CCB members, ESDIS Project ICWG members

Attendees were:

Boone, D./CSC/SEAS	Kempler, S./586	Ondrus, P./423
Burdett, G./RDC	Kidd, L./430	Ontronto, J./CSC/SEAS
Carlisle, C./581	Kim, S.T./CSC/SEAS	Ramapriyan, H.K./586
Dalton, J./505	Knoble, G./730	Roeder, J./CSC/SEAS
Daly, C./505	Lu, Y. C./586	Schroeder, C./581
Filson, D./505/CSC	Marinelli, D./586	Simons, M./505
Fuller, W./581	McDonald, K./586	Thompson, S.
Guzek, J./HITC	Naff, E./505/CSC	Watt, W./CSC
Imhoff, S./IV&V	Nesselrode, H.	

Minutes prepared by D. Filson/505, ESDIS Project CM Office