

March 23, 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 Thursday, March 12, 1998 @ 9:00 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>
505-01-30-020-R1	CHEM On-Orbit Operations Prelaunch Req.	Approved w/comment
505-01-30-021-R1	PM-1 On-Orbit Operations Prelaunch Req.	Approved w/comment
505-01-41-169-B	Level 2/3 Updates for Ancillary Data	Approved w/comment
423-16-01-003	Modify FORTRAN extensions and add C prohibited function	Approved-contingent

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

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-30-020-R1	CHEM On-Orbit Operations Prelaunch Requirements	A. Kelly/581
	L2 Req. Overall for EOSDIS Volume 0	

Disposition: **APPROVED with comments.** It was agreed to approve this CCR to update Appendix D tables to accurately reflect planned data interfaces for the CHEM mission. The CCR updates the data rates to reflect spacecraft comm design, address total end-to-end data path, reflect changing data rates along each path, update instrument rates to reflect rates held by CHEM Project and add CHEM prelaunch requirements. This will support accurate systems engineering for mission planning and support. No design, technical, schedule or cost impacts were identified for mission systems. Design, technical and cost impact to science data processing is TBD. Need for future CCR on ICESAT requirements was identified and will be done in a future CCR. See action below. The CCR was revised to incorporate M. Simons comments to update data rates as discussed and agreed to at the CCB meeting prior to R. Obenschain approval. C. Schroeder recommended that impact of increased data rate on processing and archiving cost be assessed. It was determined that ESDIS will assess the implied impact of any rate changes when a request is made by the Data Processing Resources Board. We cannot directly address an impact in response to this CCR because additional information (e.g. mflops, # of EGEs, etc.) from the science community is required. SPSO is the coordinator of this information.

Routine Document Change Notice (DCN) publication is in process. Changes will be identified as CH09.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-30-021-R1	PM-1 On-Orbit Operations Prelaunch Requirements	A. Kelly/581
	L2 Req. Overall for EOSDIS Volume 0	

Disposition: **APPROVED with comments.** It was agreed to approve this CCR to update data rates to reflect spacecraft comm design, address total end-to-end data path, reflect changing data rates along each path, combine NOAA and INPE and add PM-1 prelaunch requirements. This general revision will support accurate systems engineering for mission planning and support. No design, technical, schedule or cost impacts. Need for future CCR for ICESAT requirements was identified and will be handled in a future CCR. The CCR was revised to incorporate M. Simons comments to update data rates as discussed and agreed to at the CCB meeting prior to R. Obenschain approval.

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

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
505-01-41-169-B	Level 2 and 3 Updates for Ancillary Data (NCEP, TOMS, Non-EOS)	M. Schwaller/586
	ECS F&P Requirements Specification, #423-41-02	
	IRD between ECS and NOAA ADC, #505-41-19	
	ICD between ECS and NOAA ADC, #505-41-36	
	ICD between ECS and GSFC DAAC, #505-41-40	

Disposition: **APPROVED with comments.** The CCB agreed to the technical approach. The CCB discussed the ROM cost of implementing the format conversion required to support additional ancillary data required by ASTER, and decided to approve the CCR as written pending the resolution of action item #42-1. (Matt Schwaller will discuss an alternative with NOAA to provide the needed data in the currently supported format). If the NOAA approach is not feasible, Raytheon/J. Guzek was asked to assure that I&T and sustaining engineering work needed to support the conversion (currently projected to be about 50% of the ROM) is kept to the minimum needed. The CCR was revised to update the GSFC DAAC ICD to include a reference to table E-1 “data rate requirements list” found in the ECS F&PR spec, fix typo’s prior to by R. Obenschain approval.

Action Item: #42-1: **M. Schwaller**-determine feasibility of NOAA providing needed data in current format. Resolve ASAP avoid delay in providing data to ASTER.

Routine Document Change Notice (DCN) will be initiated after resolution of action item. Changes will be identified as CH62, CH03, CH01 and CH08, respectively.

<u>CCR #</u>	<u>Description</u>	<u>Sponsor</u>
423-16-01-003	Modify FORTRAN Extensions and Add C Prohibited Function	S. Scott/586
	Data Production S/W Standards and Guidelines	

Disposition: **Approved** contingent upon AM-1 instrument team concurrence. The CCB agreed to modify FORTRAN extensions and add C prohibited function. No cost or schedule impact. Plan a patch for Drop 4.

Routine Document Change Notice (DCN) publication is in process. Changes will be identified as CH01.

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:	Closed-To be tracked through requirements analysis process.
Action Item #35-1:	D. Filson -Identify what I/F documents require updating for the removal of Kerberos and process CCR's to make Kerberos change.
Related CCR:	505-41-38-003, Delete Kerberos in the ECS AM-1 SAS ICD
Comments:	CCR's need to be submitted on the SCF IRD and SCF ICD.
Due:	11/26/97
Status:	Closed-Action given to S. Scott to submit CCR on SCF IRD/ICD to change Kerberos.
Action Item #35-2:	S. Scott -Revise the SCF IRD and SCF ICD to remove Kerberos.
Related CCR:	505-41-38-003, Delete Kerberos in the ECS AM-1 SAS ICD
Due:	4/9/98
Status:	CCR generation is in process.
Action Item #39-1:	M. Rackley -determine future associated Level 3 schedule I/F.
Related CCR:	505-01-38-001-E "B/L the EPGS L2 Req. Document
Due:	2/12/98
Status:	OPEN

Action Item #39-2: **R. Stelmanzek**-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

J. Dalton/423
ESDIS Deputy Project Manager

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

Attendees were:

Boone, D./CSC/SEAS	Herz, A./Omitron	Ramapriyan, H.K.
Burdett, G.	Kelly, A.	Romich, D./CSC/SEAS
Dalton, J.	Kim, S.T./CSC/SEAS	Schwaller, M.
Filson, D.	Marinelli, D.	Scott, S.
Guzek, J./Raytheon	Ontronto, J./CSC/SEAS	Simons, M.
	Opperhauser, K.	Thompson, S

Minutes prepared by D. Filson/423, ESDIS Project CM Office