

CCB Telecon Dec 16, 2014

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Attendees: Lynn Neakrase (Chair/ATM), Emily Law (Coordinator), Todd King (PPI), Trent Hare (IMG), Ed Shaya (SBN), Tom Stein (GEO), Mark Showalter (RINGS), Dave Heather (IPDA), Steve Hughes, Mike Martin, Susie Slavney.  
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VOTING RESULTS:

**CCB-90: Add "Line-Feed" as a permissible value for record\_delimiter in Stream\_Text, Table\_Character, and Table\_Delimited**

Todd: Reminded the group that this is an addition not removing anything previously accepted making this a Backwards Compatible change request. Also reminded the CCB that this is more in line with modern systems and should pose little impact on users and data providers moving forward.

Mark: Reiterated concerns that validation of LF vs. CR+LF will become more complicated and will pose a non-trivial burden for coding validators. Given that there are tools out there, we should not have to bend our standards to meet this requirement. LF-only is seemingly unnecessary at this time.

ATM: YES

GEO: YES

IMG: NO

IPDA: not present

PPI: YES

RINGS: NO

SBN: YES

CCB-90: **PASSES by Majority Vote\*\*** move to implementation.

**\*\*NOTE:** Requested Changes section has a mistake.

*"Change the text beginning on lines 1197-1198, 1215-1216, and 1247-1248 of PDS4\_PDS\_1301.sch to:*

*<sch:assert test=". = ('Carriage-Return Line-Feed', 'Line-Feed', 'carriage-return line-feed')">*

*The attribute pds:record\_delimiter must be equal to one of the following values 'Carriage-Return Line-Feed', 'Line-Feed', 'carriage-return*

*line-feed'.</sch:assert>”*

**Should not include the all lower case possibility of ‘carriage-return line-feed’ as all lower case options have been deprecated in favor of Title Case.**

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**CCB-92: Include Array\_4D and Array\_5D classes in File\_Area\_Observational and File\_Area\_Observational\_Supplemental and File\_Area\_Browse**

Discussion ensued about the need for specialized Arrays. The generic base class for Array allows dimensions up to 16 right now, and the CCB did not identify a need for specialized 4D and 5D arrays that couldn’t be handled with the base class of Array. The problem is that the generic array class can’t be used in File\_Area\_Observational and File\_Area\_Observational\_Supplemental and File\_Area\_Browse in it’s current form.

ATM: NO  
GEO: NO  
IMG: NO  
IPDA: NO  
PPI: NO \*\*  
RINGS: NO  
SBN: NO

**CCB-92: VOTED DOWN by Majority Vote\*\* — move back to DDWG (see below)**

\*\* PPI votes ‘NO’ with the provision that this be sent back to DDWG for resubmission. DDWG needs to recreate this SCR replacing "Array\_4D" and "Array\_5D" with “Array” to allow the base class for Array to be extended as needed with in File\_Area\_Observational and File\_Area\_Observational\_Supplemental and File\_Area\_Browse, which should meet the needs of PPI with MAVEN and allow future usage with 6D and 7D arrays. This needs to be handled quickly for MAVEN development to continue — Data submissions from MAVEN due in March 2015. CCB agrees that upon return, this SCR will be handled quickly with an e-vote or as a consent item. ALSO note this will not affect Array 1D, 2D, and 3D.

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**CCB-94: Add support for string values in arrays**

Mark: Reiterated concerns about this opening up PDS to bizarre array formats.

Todd: Explained that the simple idea behind this SCR grew to encapsulate very specific instances for adding text strings to arrays and wasn't meant to open up string value inclusion in any type of array.

Discussion continued about using simple binary tables for string values as opposed to allowing string values in arrays. The realization was made that the in-process development of the Composite Structure that DDWG has been discussing for over a year would probably fix this problem for PPI in regards to both their Cassini and MAVEN data needs.

Trent: Mentioned that table+array combinations are common linkages that should be allowed in PDS4.

Steve Hughes: Remarked to us that the Composite Structure discussion within DDWG has been going on for over a year and a solution was very close to completion.

ATM: NO  
GEO: NO  
IMG: NO  
IPDA: NO  
PPI: NO \*\*  
RINGS: NO  
SBN: NO

**CCB-94: VOTED DOWN by Majority Vote\*\***

\*\* PPI votes 'NO' with the provision that DDWG MUST finish the Composite Structure development ASAP to meet the needs of the MAVEN Development. Composite Structure will allow the linking of binary tables to associated arrays and meet the needs of PPI allowing time stamps and other associated string values to be linked to the appropriate arrays.

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**CCB-95: Change Array from Concrete to Abstract**

Steve Hughes: Remarked that for the results of the other SCRs (CCB-90,92,94) this week — Array is required to be Concrete for implementation.

ATM: NO

GEO: NO

IMG: NO

IPDA: NO

PPI: NO

RINGS: NO

SBN: NO

**CCB-95: VOTED DOWN by Majority Vote.**

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