



To: Distribution

From: Stephen Smith, Technical Writer

Thru: Ernestine Bryant, STOrage and RETrieval (STORET), Project Manager (PjM),
Solutions Delivery Center (SDC)

Subject: Minutes of STORET Change Control Board (CCB) Meeting

1.0 Purpose

A CCB Meeting was held on March 3, 2005 at the SDC. The purpose of the meeting was to review and address the status of current project activities, resolve project issues, and ensure that activities are within the scope of the Job Assignment (JA).

2.0 Attendees

Bryant, Ernestine - Project Manager
Christian, Kevin - Job Assignment Manager
King, Robert
Manning, Lee
Smith, Stephen

3.0 Discussion Topics

The discussion covered the following topics:

- Action Items.
- Central Warehouse.
- Report Module.
- Reference Tables.

3.1 Introduction

Attendees opened the meeting with a summary of project activities and a status of open action items. The Software Incident Report (SIR) Log (Attachment A) and User Support Log (Attachment B) are included as deliverables with these CCB Minutes.

3.2 Central Warehouse

The Central Warehouse C2.0.4 release is on schedule to be delivered March 4, 2005. The requirements allocated to this release were summarized (Attachment C).

Items stemming from Integration Test were discussed:

- In accordance with current design, State/County Selection is only against primary assignments. Secondary assignments, which are just as valid, are not considered. In the SDC test database of 14 million results (compared to 21+ million in production), only 0.2% of Stations have secondary assignments. The project team suggested performing a check on production data to determine if evaluation against secondary assignments is necessary.
- There is an inconsistency in resetting Geographic Area values when changing radio buttons and/or selection criteria. This does not cause a data output problem, and the data retrieved matches the information displayed on the Search Summary page. However, the Geographic Area values may create some confusion in what the user perceives as the selection criteria. A SIR will be created to record the issue.

3.3 Report Module

The Report Module R2.0.5 release is on schedule to be delivered March 31, 2005. The requirements allocated to this release were summarized (Attachment C).

A new preformatted report was conceived that provides Taxon Abundance result information grouped by rank. This will allow information such as taxon counts to be viewed with other like organisms. A SIR will be created to capture this report concept.

An unallocated SIR was created to add the Taxon_Sort_Code to the Biological result exports.

3.4 Reference Tables

As a result of the review by the development team of open SIRs associated with the Reference Table Application, it was agreed that SIRs associated with the COOL:Gen generated application will be canceled. The status of the remaining open SIRs was summarized (Attachment D) and the following decisions made.

- SIR 0508: Include unit conversion maintenance in the T2.0.1 reference table release.
- SIR 1612: Confirmed that North American Industry Classification System (NAICS) maintenance is not needed. Set this SIR to Low priority for a future release.
- SIR 0527: Include the informational text that all longitude entries must be negative in the Western Hemisphere.

The T2.0.1 Reference Table application was reviewed for on-going customer validation through beta-testing and demonstration. The design approach and functionality was deemed useful, and will satisfy the need for Reference Table Maintenance capability. Comments were received to further improve the capability. These comments will be reviewed for impact before implementation and are as follows:

- Apply logic to eliminate leading spaces on maintainable fields.
- Remove sort capability on the pull-down menus. Apply sort capability on column header lists. Special sorting needs, such as sorts based on concatenated columns, may be implemented as necessary.
- Provide search capability on maintainable fields. Retain the Search All capability to reset filtered lists.
- Provide the ability to generate a flat file export of the data displayed in a given list.

4.0 Action Item Summary

Action items and their status are as follows:

Number	Action Item	Assignment	Date Issued	Status	Date Completed
0001	Research VB.NET capabilities and provide response.	B. Norris	06/02/2004	Closed	09/08/2004
0002	Provide STORET team with copy of Dasler software.	B. King	06/02/2004	Closed	08/25/2004
0003	Provide BEACHES program with STORET architecture information (e.g., Entity Relationship Diagram, data definitions).	J. Wilson	06/28/2004	Closed	07/28/2004
0004	Run Extract, Transform, and Load (ETL) software week of July 12 th .	J. Wilson	06/28/2004	Closed	07/28/2004
0005	Provide copy of email discussing required changes to implement Uniform Resource Locator (URL) encoding for the Station Home Page.	B. Norris	06/14/2004	Closed	08/06/2004
0006	Send Report Module v2.0.3 deliverable.	S. Smith	07/28/2004	Closed	07/28/2004
0007	Include scripts to remove orphaned rows and nullify type_name column in TSRCHALS for next reference table upgrade.	L. Manning	07/28/2004	Closed	08/23/2004
0008	Investigate Integrated Taxonomic Information System (ITIS) data acquisition and supplementary data processing.	L. Manning	07/28/2004	Closed	01/12/2005
0009	Examine Native American Land (NAL) data for compliance to the Environmental Data Registry (EDR).	B. Norris	08/23/2004	Closed	09/08/2004
0010	Review structure of TSMNAICS table to see if it was expanded from its original source.	S. Smith	08/23/2004	Closed	09/08/2004
0011	Send Data Entry Module v2.0.1 deliverable.	S. Smith	09/08/2004	Closed	09/08/2004
0012	Prepare Entity Relationship Diagrams of the Central Warehouse and STORET Database for the National Conference.	B. Norris	10/8/2004	Closed	12/01/2004

Number	Action Item	Assignment	Date Issued	Status	Date Completed
0013	Prepare graphs showing results converted to target units for possible use at the National Conference.	S. Smith	10/08/2004	Closed	10/21/2004
0014	Email URL to access STORET Station Home Page and Extensible Markup Language (XML) stream to B. King.	B. Norris	12/01/2004	Closed	12/02/2004
0015	Update BLOBs on preformatted reports matrix for review at next CCB.	S. Smith	12/01/2004	Closed	12/16/2004
0016	Aggregate pertinent Reference Table SIRs for review and disposition.	S. Smith	01/12/2005	Closed	03/03/2005
0017	Schedule ITIS data load meeting.	E. Bryant	01/12/2005	Closed	02/16/2005
0018	Provide Practical Extraction and Report Language (PERL) and Statistical Analysis System (SAS) programs supporting ITIS data load to SDC.	L. Manning	01/12/2005	Closed	02/16/2005
0019	Add a comment to the ALL_TAB_COMMENTS view identifying the full name of each STORET and STORET1 table.	K. Christian	02/16/2005	Open	

5.0 Next Meeting

The next meeting was not scheduled.

6.0 Distribution

Name	Email
Bryant, Ernestine	
Christian, Kevin	Christian.Kevin@epamail.epa.gov
King, Robert	King.Robert@epamail.epa.gov
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McElhinney, Cary	Mcelhinney.Cary@epa.gov
Szajgin, Tracey	
Wilson, Joseph	Wilson.Joe@epa.gov

7.0 Approval of Minutes

Kevin Christian
Job Assignment Manager

Date

ATTACHMENT A

SIRs Since Last CCB

Software Incident Reports Since Last CCB - Period: 02/16/2005 - 03/02/2005			
System Version	Date Initiated	SIR #	Description
P2.0.3	02 24 2005	1684	Sample Matrix field on FA22 Sample from Sample Data Entry and FA5 Composite from Sample Data Entry is not displaying the value after value has been stored in the database. Correct windows to always display a stored Sample Matrix value.
UB2.0.3	02 24 2005	1683	Create ability to update TSRCHAR taxonomic Characteristics from the Integrated Taxonomic Information System (ITIS) database download.

Legend for System Version:

System Letter is concatenated with Version Number. System Letter Key:

P = Data Entry Module, UB = Taxonomy Update Utility

ATTACHMENT B

User Support Log

User Support Log - Period: 02/16/2005 - 03/02/2005			
Date Received	System Version	Issue	Response
2/17/05	P2.0	<p>Provide the business rule(s) regarding clearing the Unit of Measure (UOM) field when Detection Conditions are changed.</p> <p>As a follow-up question: For a result, we have the UOM of the result itself, the UOM for the range, and the UOM for the detection and quantification limits. Is one field used for all these, or are there separate fields?</p>	<p>SIR 1048 delivered with Data Entry Module release P2.0B.2 established the rule to never clear any values (including Unit of Measure and Range Values) when changes are made to Detection Condition. Further analysis was performed to determine if a script could restore any previously cleared values; this was deemed not possible.</p> <p>The foreign key in TSRRSULT to TSRUOM covers both the upper and lower range and the result value.</p> <p>The foreign key in TSRDQL to TSRUOM covers the Detection and Quantification Limits. Note: initial default UOM is from the result.</p> <p>If looking at Biologicals, foreign key in TSRRCI to TSRUOM covers Single Taxon Frequency Class, Physical results.</p>

User Support Log - Period: 02/16/2005 - 03/02/2005												
Date Received	System Version	Issue	Response									
2/18/05	R2.0	User receiving an invalid column message from the Results Detail Report. Inquired as to whether this could be a Report Module v1.2/ Database v2.0 problem.	<p>Probably not a Report Module v1.2 / Database v2.0 problem. From testing, this scenario seems to work. The inverse (i.e., Report Module v2.0 / Database v1.2) would definitely be an issue in several tables. The reported error message is also received for missing database objects (as well as columns as indicated in the message). Assuming the database is v2.0, best guess is this report may be missing function f_char_name. Suggest running the following to check for f_char_name objects:</p> <pre>SQL> select OWNER, OBJECT_NAME, OBJECT_TYPE from all_objects where OBJECT_NAME = 'F_CHAR_NAME';</pre> <table border="1"> <thead> <tr> <th>OWNER</th> <th>OBJECT_NAME</th> <th>OBJECT_TYPE</th> </tr> </thead> <tbody> <tr> <td>STORUSER</td> <td>F_CHAR_NAME</td> <td>SYNONYM</td> </tr> <tr> <td>STORET</td> <td>F_CHAR_NAME</td> <td>FUNCTION</td> </tr> </tbody> </table> <p>These objects, and other Report Module related objects, may be restored with STORET Report Module Object Restoration Utility (U2.0.1). A copy of the software package was uploaded to the File Transfer Protocol (FTP) - ftp://upload.epa.gov/incoming/storet/</p>	OWNER	OBJECT_NAME	OBJECT_TYPE	STORUSER	F_CHAR_NAME	SYNONYM	STORET	F_CHAR_NAME	FUNCTION
OWNER	OBJECT_NAME	OBJECT_TYPE										
STORUSER	F_CHAR_NAME	SYNONYM										
STORET	F_CHAR_NAME	FUNCTION										
2/22/05	V2.0	User running ALL_PROJECT_DETAILS View. View is valid. No data is returned.	The Structured Query Language (SQL) seems to be in accordance with the requirements and design specifications. The View should only return information when there is Project Station Weight (PSW) information; maybe user does not have any PSW data.									

User Support Log - Period: 02/16/2005 - 03/02/2005			
Date Received	System Version	Issue	Response
2/24/05	P2.0.2	FA22 Sample from Sample Data Entry is not displaying Sample Matrix values after initially stored in the database.	<p>02/24/2005 - The scenario was repeatable as described. The source of this behavior will be researched. The Sample Matrix data is being retained in the database, even if FA22 is recalled and Accepted with a "blanked" Sample Matrix field. The Activity Detail report, as with other reports, draws data from the database and correctly displays stored Sample Matrix values.</p> <p>02/25/2005 - This is a software problem with displaying Sample Matrix values stored in the database on FA22 Sample from Sample Data Entry and FA5 Composite from Sample Data Entry windows. An SIR to record the issue has been created. This does not impact the ability to store values nor does it impact existing values.</p>

Legend for System Version:

System Letter is concatenated with Version Number. System Letter Key:

P = Data Entry Module, R = Report Module

ATTACHMENT C

Central Warehouse C2.0.4 and
Report Module R2.0.5 SIRs

Software Incident Reports allocated to STORET Central Warehouse (C2.0.4) and STORET Report Module (R2.0.5)		
System Version	SIR #	Summary Description
C2.0.4	1631	Implement automated tracking of Central Warehouse Data requests.
C2.0.4	1632	Increase maximum report size to 60,000 results.
C2.0.4	1638	Add Primary and Secondary Station Type Codes to the Result fact tables. Make available as a selectable group and include in reports.
C2.0.4	1644	Add direction indicators to the criteria that determines if latitude and longitude need to be evaluated for data retrieval.
C2.0.4	1645	Apply date format mask to convert data to a four digit year.
C2.0.4	1647	Modify the table storage parameters for the result fact tables.
C2.0.4	1648	Change all positive station longitude values in the FA_STATION table to negative values except for Stations belonging to Organizations 21GUAM, 21GUBCH and 21AQ.
C2.0.4	1676	Improve performance of Field Set concatenation in Extract, Transform, and Load (ETL).
C2.0.4	1677	Remove hard returns from data during ETL.
R2.0.5	1161	Create ability to retrieve Binary Large Objects (BLOBs) via the Report Module.
R2.0.5	1624	Create a Reference Table Taxonomic Names Report.
R2.0.5	1664	Filter Available Characteristics on RPT4 Selection List to those with a d_scr_type_cd of TAXA and VAR when the Reference Table Taxonomic Names or Reference Table Taxonomic Hierarchy (printed or export) reports are selected.
R2.0.5	1665	Create a Reference Table Taxonomic Hierarchy report showing genus, species, and common name information.
R2.0.5	1674	Create an export of the Reference Table Taxonomic Hierarchy report.
R2.0.5	1675	Create a Reference Table Physical Characteristics report.

Software Incident Reports allocated to STORET Central Warehouse (C2.0.4) and STORET Report Module (R2.0.5)		
System Version	SIR #	Summary Description
R2.0.5	1679	Create a version of the Reference Table Physical Characteristics report that suppresses STORET Parameter Codes.
R2.0.5	1682	Allow Characteristics to show on the Reference Table Chemical Names without Parameter Codes reports when the only associated aliases are of alias type STORET PARM CODE.

Legend for System Version:

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C = Central Warehouse, R = Report Module

ATTACHMENT D

Open Reference Table SIRs

Software Incident Reports: Outstanding Reference table Issues	
SIR #	Description
0508	<p>Create reference maintenance for Unit Conversion. Includes Model Change.</p> <p><i>Need decision to include Unit Conversion Maintenance.</i></p>
0686	<p>RT16 - Analytical Procedure Maintenance List: Add Search functionality due to the number of data entries.</p> <p><i>Currently being implemented.</i></p>
0694	<p>All reference Table Data Entry windows: Show the IS_NUMBER for the current record.</p> <p><i>Currently being implemented.</i></p>
0861	<p>Permitted Values (TSMPRMVL): Restrict the reference table data entry length for all fields other than CONTAINER_TYPE_NM, CONTAINER_COLOR, SMPL_FRAC_TYPE_NM, TEMP_PRESERVN_TYPE, and TEMP_PRESRV_TYPE to the minimum allowed by the client application.</p> <p>01/14/2000 - CCB decision was to add an attribute to the TSMPRMVL table, and display field to Permitted Value Name Selection List window to indicate the minimum length allowed by the client application.</p> <p><i>Currently allocated for implementation using a read for column length; no data model change.</i></p>
1612	<p>Create a North American Industry Classification System (NAICS) maintenance area that is compatible with the P2.0 database. Need clarification of what type of maintenance mechanism should be employed (e.g., utility, direct data entry).</p> <p><i>Need confirmation on latest decision not to provide NAICS maintenance; cancels this SIR.</i></p>
0527	<p>RT37 - FIPS HUC Data Entry: Add text under the Longitude Maximum Degree Measure fields "All Longitude entries must be negative in the Western Hemisphere."</p> <p><i>Need confirmation to include.</i></p>

Software Incident Reports: Outstanding Reference table Issues	
SIR #	Description
0620	Need addition to reference table area to allow addition, deletion, and modification of Personnel Roles. <i>Currently allocated for implementation.</i>