



To: Distribution

From: Stephen Smith, Technical Writer

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

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

1.0 Purpose

A CCB Meeting was held on August 23, 2004 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
King, Robert - Job Assignment Manager (JAM)
Manning, Lee
McElhinney, Cary
Norris, Blythe
Smith, Stephen
Thadkamalla, Ganesh
Wilson, Joseph

3.0 Discussion Topics

The discussion covered the following topics:

- Action Items.
- Report Module.
- Central Administration Module.

- Integrated Taxonomic Information System (ITIS).
- Central Warehouse.
- Data Entry Module.

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) and User Support logs were reviewed for accuracy. The team discussed report designs, and project's upcoming milestones and deliverables.

SIR Log (Attachment A) and User Support Log (Attachment B) are included as deliverables with these CCB Minutes.

3.2 Report Module

The design for the Reference Table Permitted Values report (Attachment C) was reviewed and validated with the following changes:

- Change the column title "Field Name" to "Column Name".
- Add a new column named "Screen Prompt" after the Column Name that displays the prompt value as seen in the Data Entry Module.
- Change the column title "Field Value" to "Permitted Value".
- Change the column title "Value Description" to "Permitted Value Description".

The design for the Reference Table Characteristic Permitted Values report (Attachment C) was reviewed and validated with no changes.

The final content and schedule for the next Report Module release will be discussed in the near future.

3.3 Central Administration Module

A list of reference tables showing the current implementation and associated development tool (Attachment D) was reviewed and the following changes were made:

- Implement TSRANLPR (Analytical Procedure) reference table data entry in Visual Basic (VB).NET. The design needs to be revisited before actual development begins.

- Revisit design of TSMESTRY (Estuary) reference table data entry before actual development.
- Revisit design of TSMNAL (Native American Land) reference table data entry before actual development. The development team was asked to examine Native American Land (NAL) data for compliance to the Environmental Data Registry (EDR).
- Do not implement TSMNAICS (North American Industrial Classification System [NAICS]) reference table data entry. The development team was asked to see if the structure of the TSMNAICS table was expanded from its original source.

3.4 ITIS

Release U2.0.2 of the STORET Taxonomy Update Utility will be delivered August 27, 2004.

G. Thadkamalla mentioned that the deliverable is based on STORET version 2.0.02 Reference Table Updates (DBFIX015), hence does not include the changes made by B. King after this reference table update release.

L. Manning explained the process he uses to establish ITIS Data files for this process. The data for these files are extracted from ITIS except TAXON_SORT_CODE.

Identification of ITIS data in STORET was discussed. TAXON_SORT_CODE along with UOM_TYPE and D_SCR_TYPE_CD should be used for identification of the ITIS records in STORET.

It was confirmed by L. Manning that the TYPE_NAME field in the TSRCHALS table should be populated with alias type names.

3.5 Central Warehouse

Release C2.0.3 of the STORET Central Warehouse will be delivered August 27, 2004.

In terms of development efforts prior to C2.0.3, the following decisions were made:

- The highest priority for the next release is to increase the maximum size of reports and to develop a batch report system to support large data requests.
- The second highest priority is to research potential modifications to the ETL to improve performance.

The need for implementing automated tracking of Central Warehouse data requests was identified and should be considered for the next release.

3.6 Data Entry Module

The attendees discussed a user reported problem regarding Binary Large Object (BLOB) operations in the Data Entry Module. After summarizing the problem, it was decided that direct dialog between the development team and the user was required. B. King asked C. McElhinney to coordinate a conference call for later in the week.

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	Open	
0002	Provide STORET team with copy of Dasler software.	B. King	06/02/2004	Open	
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 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 ITIS data acquisition and supplementary data processing.	L. Manning	07/28/2004	Open	

Number	Action Item	Assignment	Date Issued	Status	Date Completed
0009	Examine Native American Land (NAL) data for compliance to the Environmental Data Registry (EDR).	B. Norris	08/23/2004	Open	
0010	Review structure of TSMNAICS table to see if it was expanded from its original source.	S. Smith	08/23/2004	Open	

5.0 Next Meeting

The next meeting will be held on Wednesday, September 8, 2004, at the SDC at 12 p.m.

6.0 Distribution

Name	Email
Bryant, Ernestine	
Christian, Kevin	Christian.Kevin@epamail.epa.gov
King, Robert	King.Robert@epamail.epa.gov
Manning, Lee	Manning.Lee@epamail.epa.gov
McElhinney, Cary	Mcelhinney.Cary@epa.gov
Szajgin, Tracey	

7.0 Approval of Minutes

Robert E. King
Job Assignment Manager

Date

ATTACHMENT A

SIRs Since Last CCB

Software Incident Reports Since Last CCB - Period: July 24, 2004 to August 20, 2004			
Release Version	Date Initiated	SIR #	Description
C2.0.3	07 28 2004	1626	Update Central Warehouse Help for C2.0.3 changes and enhancements.
C2.0.3	07 28 2004	1627	Add Station Description Text to the Station Extract, Transform, and Load (ETL).
C2.0.3	07 28 2004	1628	Add Station Description Text to the Stations by Geographic Location and Stations by Organization/Station ID selection pages, and to the Station (Site) Description report.
C2.0.3	08 09 2004	1630	Modify system to allow the display of replicate numbers on Result Reports.
R2.0.4	07 28 2004	1622	Create version of Chemical Names report which shows all aliases except Parameter Codes. This will be available as a printed report and an export. The report will be modeled after the Chemical Names report designed for SIR 1224.
R2.0.4	07 28 2004	1623	Create report showing Permitted Values from the permitted value table (TSMPRMVL).
R2.0.4	07 28 2004	1629	Update the Report Module interface to accommodate R2.0.3 changes as follows: - Change default cursor placement on RPT3 Report Parameters to the Preview button for Printed Reports and the Export button for Export Reports. - Hide the Save Report Parameters and Load Report Parameters buttons when there are no report parameters. - Add message on RTP3 Report Parameters, "Parameters not required for this report." when there are no parameters for a report. - Update Help for RPT3 Report Parameters regarding reports with no parameters. - Update the Main Menu with new version number.
R2.0.5	07 28 2004	1624	Create Taxonomic Names Report.

Software Incident Reports Since Last CCB - Period: July 24, 2004 to August 20, 2004			
Release Version	Date Initiated	SIR #	Description
U2.0.2	07 28 2004	1625	Provide scripts and dump file that populate existing STORET tables with Integrated Taxonomic Information System (ITIS) data.

Legend for System Version:

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

C = Central Warehouse, E = Station Home Page, P = Data Entry Module, R = Report Module, T = Central Administration, U = Utilities

ATTACHMENT B

User Support Log

User Support Log - Period July, 24, 2004 to August 20, 2004			
Date Received	Application	Issue	Response
7/30/04	X2.0.2	Need to know possible reasons why they are receiving a TNSNAMES error on login to the Web Registration Application.	<p>Probable Cause: Networking problem between database server and 9iAS Forms Server.</p> <p>Possible Reasons:</p> <ul style="list-style-type: none"> - The STORET database service entry in LISTENER.ORA file on the database server may be incorrect. - The STORET database TNSNAMES.ORA entry on the 9iAS Server may be incorrect. - If other network database resolution techniques are used, then make sure the STORET database is accessible from Forms Server machine. <p>Rectification Suggestions:</p> <ul style="list-style-type: none"> - Ensure the target database entry in the TNSNAMES.ORA file is the same on both the client and the Forms server. If connection to the target database is working from the client, then try to connect to the target database directly from the Forms Server. If this connection works, then database connectivity should be okay. - Check STORET Web Registration Application 9iAS Forms Server instructions to make sure the server configuration is correct. - Be sure to start the 9i Application Server Infrastructure before the 9iAS Forms Server.

User Support Log - Period July, 24, 2004 to August 20, 2004			
Date Received	Application	Issue	Response
8/5/04	P2.0	User is not seeing all defined organizations on the System Administrator Export list (SA8).	User appears to have added Organization(s) from outside the application. There needs to be an entry in the TSMSOI table for each Organization in order for it to appear in the Export, Available Organizations list. TSMSOI maintenance is done via the Central Administration application as is Organization creation.
8/16/04	P	Receiving memory and "PJ22 is open" errors when trying to enter/access Project Binary Large Objects (BLOBs) (PJ3).	<p>The following error conditions in data were found, but could not be created through the application:</p> <ul style="list-style-type: none"> - If Blob_Title and Blob_Type are valid and no TSMBLOB record exists. - If Blob_Title is valid, Blob_Type is null/blank, and TSMBLOB record exists. - If Blob_Title is valid, Blob_Type is null/blank, and no TSMBLOB record exists. <p>Other Considerations:</p> <p>By default, Blob_Title and Blob_Type are set to spaces in the Data Entry Module. This does not cause adverse affects in the application. When a TSMBLOB record is added and then deleted, the Blob_Title and Blob_Type columns are set to null through the Visual Basic (VB) routine.</p> <p>Blob_Type is Char(3) = trailing spaces. Blob_Title is Varchar = no trailing spaces. Blob_Title can be stored as spaces in the VB routine. If it is, the stored picture will not open.</p>

User Support Log - Period July, 24, 2004 to August 20, 2004			
Date Received	Application	Issue	Response
8/18/04	P2.0	Data Entry Module installation is not providing an option of full install on a Windows XP machine with Oracle 8.1.7 installed.	Reviewed the components required for the option to show up in the installer. The system seemed to have passed the criteria, but the installer is not providing the option. Instruction was given to use the scripts provided in the Database Administration (DBA) folder on the Compact Disk (CD) to create the STORET database. The client software may be installed using the installer.
8/19/04	R2.0.3	User receiving constraint violations when installing the Report Module upgrade. Should the rows be removed before running installation?	No. The Report Module upgrades are inclusive of the previous upgrades since v2.0 (the CD). Users that have installed previous upgrades will generate these kind of messages. In this scenario the installation should execute without interruption and may be considered successful. It was confirmed at the last CCB that generating messages regarding existing objects or rows was acceptable. These messages provide a record of previous installations and may assist in resolving issues stemming from previous transactions. Also, a similar error would have shown for any user whose first upgrade was to R2.0.3 due to the absence of rows for deletion.

ATTACHMENT C

Reference Table Permitted Values
and
Reference Table Characteristic Permitted Values
Report Designs

Reference Table Permitted Values

Report Description: This report provides information regarding permitted values. The Table Name, Field Name, Field Value, and Value Description are provided on the report.

Column header repeats on each page.

Consecutive repetitions of Table Name and Field Name will be suppressed.

Special Separators

- Horizontal line from margin to margin under column header.

Select Logic:

Select Options: None.

Sort Sequence: By ascending Table Name, by ascending Field Name, by ascending Field Value.

Page Break: None.

Report Heading	Prompt Name	Oracle Name
RT3 Permitted Value Data Entry		TSMPRMVL
Table Name	Table Name	TABLE_NAME
Field Name	Field Name	FIELD_NAME
Field Value	Field, Value	FIELD_VALUE
Value Description	Field, Field Description	FIELD_DESC

EXAMPLE

Reference Table Permitted Values

June 28, 2004 15:37:20

Table Name	Field Name	Field Value	Value Description
TSRCHDEF	SMPL_FRAC_TYPE_NM	Acid Soluble	That portion of the analyte which becomes dissolved within the sample following treatment with an appropriate acid.
		Comb Available	Combined Available.
		Dissolved	That portion of the analyte found in the liquid medium. Cannot be removed by filtration.
TSRCLDES	CELL_SHAPE_TYPE_NM	Arcuate	Cells having the curved shape of a bow or arch.
		Cylindrical	Cells which are drum shaped.
		Fusiform	Cells tapered at their ends.
	CELL_TYPE_NM	Coccioids	Cell(s) having a spherical form.

Reference Table Permitted Value Characteristics

Report Description: This report provides information regarding Characteristics that are designated for use as permitted values (i.e., the result value is chosen from a list of permitted values). The Characteristic Name, Result Value and Result Value Description are provided on the report.

Column header repeats on each page.

Consecutive repetitions of Characteristic Name will be suppressed.

Special Separators

- Horizontal line from margin to margin under column header.

Select Logic:

Select Options: None.

Sort Sequence: By ascending Characteristic Name, by ascending Result Value.

Page Break: None.

Report Heading	Prompt Name	Oracle Name
RT5 Non-Taxon Characteristic Data Entry		TSRCHAR
Name	Display Name	DISPLAY_NAME
RT9 Characteristic Permitted Value Data Entry		TSRCPV
Result Value	Value	SHORT_NAME
Result Value Description	Description	DESCRIPTION_TEXT

EXAMPLE

Reference Table Permitted Value Characteristics

June 28, 2004 15:37:20

Name	Result Value	Result Value Description
Life Stage (choice list)	ADULT	Individual known to be sexually mature.
	BUDDED	Mature Plant with leaf and/or flower buds.
	EGG	Mature ovum, spawned or unspawned, fertilized or not.
	EXFOLIATE	Mature plant, denuded of leaves (as wintering).
Stream Physical Appearance (choice list)	1.CLEAR	1=Clear - crystal clear, transparent water
	2.MILKY	2=Milky - not quite crystal clear; cloudy white or gray
	3.FOAMY	3=Foamy - natural or from pollution

ATTACHMENT D

Reference Table Implementation and Development Tools

Table Name	General Name	Updated to v2.0 in COOL:Gen?	Implement in Visual Basic?
TSRANLEQ	Analytical Equipment	Y	
TSRANLPR	Analytical Procedure	Y	
TSRBIOPT	Bio Part	N	Y
TSRCHAR	Characteristic	Y	
TSRCALT	Characteristic Alias Type	Y	
TSRCPV	Characteristic Permitted Value	Y	
TSRCHTYP	Characteristic Type	Y	
TSRCTCA	Characteristic Type Characteristic Assignment	Y	
TSRCITN	Citation	Y	
TSMERMSG	Error Message	N	
TSMESTRY	Estuary	N	Y
TSMFHU	FIPS Hydrologic Unit	N	
TSRFLDGR	Field Gear	Y	
TSMGEOUN	Geologic Unit	N	
TSMGEOPA	Geopolitical Area	N	
TSMNAL	Native American Land	N	Y
TSRLBRMK	Lab Remark	Y	
TSRLSPP	Lab Sample Prep Procedure	N	Y
TSMMLTHUN	Lithologic Unit	N	
TSMPRMVL	Permitted Value	Y	
TSMPROLE	Person Role	N	
TSMPSR	Project Station Role	N	
TSMSIC	Standard Industrial Class	N	
TSMUOM	Unit of Measure	N	Y
TSMVSTC	Valid Station Type	N	Y

The following tables are currently not automated:

Table Name	General Name	Implement in Visual Basic?
TSMMAD	Method and Datum	Y
TSMNAICS	North American Industrial Classification System	Y
TSMRRR	River Reach	
TSRMATRX	Sample Matrix	Y

