



**To:** Distribution

**From:** Stephen Smith, Technical Writer

**Thru:** Teresa Sutch, 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 November 15, 2005 via teleconference. 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**

Christian, Kevin - Job Assignment Manager  
Smith, Stephen  
Sutch, Teresa - Project Manager  
Szajgin, Tracey

## **3.0 Discussion Topics**

- Products Since Last CCB.
- User Support.

### **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 Products Since Last CCB**

The STORET Attribute Definition Report: Form Layout was delivered and received.

The Extensible Markup Language (XML) Generation from the Report Builder proof-of-concept was delivered and received.

### **3.3 User Support**

During testing of the STORET Installation for Oracle 9i it was noted that the application and database drive variables established through the Wise application were not populated in the storexp.bat and storexp.sql files when performing a Client-Server installation. K. Christian noted that he had seen this issue, but did not feel it was a widespread problem in the user community. An SIR will be created to record a future improvement to the Wise installation.

The request for textual output of application source code was discussed and the scope defined. Textual output will be provided for the Wise STORET v2.0 installation and the COOL:Gen Data Entry Module.

The following observations were made regarding the STORET Web Site:

- Report Module documentation is R2.0.5 instead of the current R2.0.6.
- The Business Rules and Data Entry Module User Guide should be replaced with the current version.
- The latest version of the printed Entity Relationship Diagrams (ERDs) should be posted.

The STORET Installation Guide for Oracle 9i was discussed as follows:

- The small Oracle 8i Client with Provider for Object Linking and Embedding (OLE) Database (DB) package had been used during testing and found to be sufficient for execution of the Data Entry Module and Report Module functionality. It was decided that this package would be included in the STORET Installation for Oracle 9i package provided disk space would allow complete inclusion on a Compact Disk (CD). The complete Oracle 8i Client as it currently exists in the STORET Installation for Oracle 9i package will be the default reference for the Installation Guide.
- The SDC noted that the supporting documentation in the STORET Installation for Oracle 9i package was not current. The SDC was tasked to update this package as appropriate and provide the updated package when the Installation Guide was completed. The updated package and STORET Installation Guide for Oracle 9i should be delivered early next week.

The SDC asked if the XML proof-of-concept should continue in an effort to discover discrepancies between the schema definition and the STORET database as early in the process as

possible. K. Christian felt the XML schema had probably not matured sufficiently to warrant further exploration at this time.

The following tasks were prioritized in the given order:

- Provide additional Quality Assurance/Quality Control capabilities to the user community. The reports will be an extension of the Report Module Web Default reports.
- Create an implementation plan for Characteristic Inventory data retrieval in the Central Warehouse.
- Create an implementation plan for correcting duplicate Characteristic Search Name creation and unintentional Characteristic row creation.
- Create documentation that maps columns from the STORET tables to the Central Warehouse downloads.

#### 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 <sup>th</sup> .	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

Number	Action Item	Assignment	Date Issued	Status	Date Completed
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
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	Closed	05/04/2005
0020	Provide L. Manning a report of duplicate Display Names and Taxon Serial Numbers found in ITIS data.	G. Thadkamalla	03/23/2005	Closed	04/07/2005
0021	Send duplicate Taxon Serial Numbers found in data during development to L. Manning when duplicates are identified as Approved.	G. Thadkamalla	04/07/2005	Closed	04/21/2005

Number	Action Item	Assignment	Date Issued	Status	Date Completed
0022	Send duplicate display names to L. Manning when duplicates are within the same hierarchical branch.	G. Thadkamalla	04/07/2005	Closed	04/26/2005
0023	Provide rules and conditions for ITIS comment information extraction.	L. Manning	04/07/2005	Closed	04/26/2005
0024	Provide Report Module User Guide with Document/Graphic retrieval description.	S. Smith	04/21/2005	Closed	04/22/2005
0025	Provide list of display names truncated by the Taxonomy Update Utility.	G. Thadkamalla	05/17/2005	Closed	05/17/2005
0026	Check on availability of DBMS_JOB package in production environment.	K. Christian	07/13/2005	Closed	07/19/2005
0027	Send latest TSRUOM to SDC development team.	K. Christian	08/16/2005	Closed	08/23/2005
0028	Send Source file for STORET v2.0 Installation Instructions.	E. Bryant	08/30/2005	Closed	08/30/2005
0029	Send script(s) that modify TSRUOM for unit conversion.	S. Smith	08/30/2005	Closed	08/31/2005
0030	Send material for Extensible Markup Language (XML) sample output.	K. Christian	09/28/2005	Closed	10/3/2005
0031	Make inquiries to the user community to develop and prioritize QA needs.	K. Christian	10/11/2005	Closed	11/08/2005

## 5.0 Next Meeting

The next meeting was scheduled for November 29, 2005 at 2:00 P.M. via teleconference.

## 6.0 Distribution

Name	Email
Christian, Kevin	Christian.Kevin@epamail.epa.gov
McElhinney, Cary	Mcelhinney.Cary@epa.gov
Sutch, Teresa	
Szajgin, Tracey	
Wilson, Joseph	Wilson.Joe@epamail.epa.gov

## 7.0 Approval of Minutes

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Kevin Christian  
Job Assignment Manager

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Date

**ATTACHMENT A**

Software Incident Report Log

<b>Software Incident Reports Since Last CCB - Period: 10/11/2005 - 11/14/2005</b>			
<b>System Version</b>	<b>Date Initiated</b>	<b>SIR Number</b>	<b>Description</b>
			None.

Legend for System Version:  
System Letter is concatenated with Version Number.



**ATTACHMENT B**

User Support Log

User Support Log - Period: 10/11/2005 - 11/14/2005			
Date Received	System Version	Issue	Response
10/11/05	T2.0.1	Create an implementation plan for correcting duplicate Characteristic Search Name creation and unintentional Characteristic creation	Priority Established.
10/20/05	All	<p>In STORETINFO, each system release is referenced with a letter. Please denote which system module belongs to the following letters.</p> <p>C X P R T UA W D</p>	<p>The request was expanded to provide a complete list of CM identifiers. Note: This information is also in the STORET Deliverable on CD Contents file, and mirrors the CM identifier in the directory names.</p> <p>C - Central Warehouse. D - Central Database Update Software (CDUS). E - STORET Station Home Page. L - STORET v2.0 Data Definition Language from Designer. M - Manuals (All). MA - Installation Guide. MB - Business Rules (not in STORETINFO). MC - Literal Values in COOL:Gen. P - Data Entry Module. R - Report Module. S - Web Service. T - Reference Table Module/Central Administration. U - Utilities (All; includes Report Module Restoration Utility). UA - Preference and Default Replicator. UB - Taxonomy Update Utility. V - Views. W - Web Application (retired). X - Web Registration Application.</p>

User Support Log - Period: 10/11/2005 - 11/14/2005			
Date Received	System Version	Issue	Response
10/20/05	R2.0.6	<p>R3 is running the client-server version of STORET on an Oracle 8.1.7 database. I believe that I made the appropriate changes to the SRMUPDATE.SQL and ran it on the server without a problem. Next, I copied the files in the FORMS and REPORTS folders to the user's C:\STORET\STRRPT folders. When I try to run reports, by clicking the Preview or Print button, I get this message. See screen shot (files attached).</p> <p>There are folders labeled SOURCE and SYSTEM with this update. I think those files are for the PC STORET version. Correct?</p> <p>10/21/2005 follow-up (files attached) The problem with Report 2.0.6 is occurring on the 2 PC's that I have installed it on; one is Windows XP and the other is Windows 2000. I am not sure if the Operating System makes a difference.</p> <p>Regarding the registry question: I checked the registry and both PCs have the entries in the registry under HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\STRRPT : c:\STORET\STRRPT\forms; c:\STORET\STRRPT\reports However, your email mentions "PROD_HOME". We do not have that exact entry on our PCs. We also have a STRRPT entry as part of the path under: HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\FORMS 60_PATH</p> <p>Here are the answers to your other questions:</p> <ul style="list-style-type: none"> <li>Do the reports continue to generate after receiving the message? No. Nothing happens. I get this error message (See screen shot) and have to close the application.</li> </ul>	<p>This message has been reported a couple of times when opening the Main Menu. The reported error message when occurring on the Print and/or Preview actions is a different matter. There are many possibilities which could invoke this error (including database problems), but my best guess is:</p> <p>The registry entry PROD_HOME with value c:\STORET\STRRPT under HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\STRRPT may not exist. This value is created with the STORET Report Module v2.0 disk install. Verify that this entry exists, and create it if it does not (Run regedit to open the registry, navigate to the Oracle directory, the steps from here will vary depending on what the user currently has in place, but creation and/or modification is pretty straight forward). If this does not solve the problem, please provide the following responses and information to aid in further diagnostics:</p> <ul style="list-style-type: none"> <li>Do the reports continue to generate after receiving the message?</li> <li>Did any prior versions of the Report Module operate correctly? If so, which version?</li> <li>Was the STORET v2.0 Report Module disk used for initial installation?</li> <li>Provide the srmupdate.log from the R2.0.6 upgrade installation.</li> <li>Provide an export of the user's registry. (For Windows XP: Run regedit, pull-down File, choose Export.)</li> <li>Provide directory listing with all sub-directories in STRRPT.</li> </ul> <p>In answer to the SOURCE and SYSTEM files: The SOURCE files are purely FYI, nothing needs to be done with these files for</p>

User Support Log - Period: 10/11/2005 - 11/14/2005			
Date Received	System Version	Issue	Response
		<ul style="list-style-type: none"> <li>• Did any prior versions of the Report Module operate correctly? If so, which version? Yes - I had last updated to Report 2.0.4 in February 2005 and tested that it was working. I did not install Reports 2.0.5.</li> <li>• Was the STORET v2.0 Report Module disk used for initial installation? No - Initially when I upgraded to STORET 2 about a year ago, I was provided a ZIP file of the reports and a registry file to import into the PC. That file is attached. It is labeled Windows95-98. Is there a different registry file for Windows 2000 and XP workstations? When I initially set this up, I also found that I had to manually add the entry to the Oracle FORMS60_PATH entry.</li> <li>• Provide the srmupdate.log from the R2.0.6 upgrade installation. I had changed the SRMUPDATE.SQL to customize it for our Oracle connect string and system password.</li> <li>• Provide an export of the user's registry. (For Windows XP: Run regedit, pull-down File, choose Export.) Here's the Oracle registry from the Windows XP PC. Here is the Oracle registry from the Windows 2000 PC.</li> <li>• Provide directory listing with all sub-directories in STRRPT. Here are text files created in DOS.</li> </ul>	<p>proper operation in the intended environment. The Comdlg32.ocx file in the SYSTEM folder will already exist on the PC for the vast majority of users. The install.bat provided with the R2.0.6 upgrade verifies if it exists and informs the user if not found. (Sounded like the user did a manual copy, which is probably OK too.) This file is used only for Document/Graphic retrieval, but is needed for this functionality in stand-alone and client-server configurations.</p> <p>10/21/2005 response Thank you for all the information. The registry and runtime configuration is pretty non-standard, but the user reported full functionality with R2.0.4 (i.e., configuration is operational). After review, it seems as though my original suspicion on the missing PROD_HOME registry entry is likely the cause. Versions R2.0.5 and above must have this entry to operate; it was optional for R2.0.4 and below. Please run the attached file to add the entry PROD_HOME with value c:\STORET\STRRPT and path HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\STRRPT.</p>
10/25/2005	R	Research Quality Assurance/Quality Control reporting for STORET. Reports will be an extension of the Web Default reports.	Scope and priority defined.

<b>User Support Log - Period: 10/11/2005 - 11/14/2005</b>			
<b>Date Received</b>	<b>System Version</b>	<b>Issue</b>	<b>Response</b>
11/01/2005	P	Review STORET Deliverables on Compact Disk for source documentation not in PDF format or viewable with Microsoft Office or WordPerfect; create PDF files as necessary.  CCB 11/15/2005 - Scope defined as textual source code for the Wise and COOL:Gen applications.	Scope defined.

Legend for System Version:

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

P = Data Entry Module, R = Report Module, T = Reference Table Module