



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 December 16, 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
Passarelli, Michele
Smith, Stephen
Thadkamalla, Ganesh
Zhuang, Vincent

3.0 Discussion Topics

The discussion covered the following topics:

- Action Items.
- Report Module.

- Organization Preference and Default Replication Interface.
- Multiple Station Selection.

3.1 Introduction

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

3.2 Report Module

The design of the Taxonomic Hierarchy report was reviewed and validated. The following decisions were made and are included in the design (Attachment C):

- Provide only Name (of selected Characteristic), Integrated Taxonomic Information System (ITIS) Rank, Synonym, Display name, and Common Name.
- Sort ITIS rank by taxon_sort_code.
- Indent ITIS ranks according to hierarchy.
- Display synonyms.
- Underline Common Names.
- Filter the search for Available Characteristics in the Report Module interface to only provide d_scr_type_cd of TAXA and VAR.
- Create an export version of the report.

Data retrieved for the Taxonomic Hierarchy preformatted and export reports will be restricted to the following rank groups based upon the selected Characteristic:

- Selected Characteristic is Kingdom through Subkingdom; retrieves ranks from the selected Characteristic rank through Order.
- Selected Characteristic is Phylum through Subphylum; retrieves ranks from the selected Characteristic rank through Family.
- Selected Characteristic is Superclass through Infraclass; retrieves ranks from the selected Characteristic rank through Genus.

- Selected Characteristic is Superorder through Forma; retrieves ranks from the selected Characteristic rank through Forma.

A matrix was reviewed representing report subject areas where Binary Large Object (BLOB) retrieval will be allowed. Attachment D shows the results of the review.

3.3 Organization Preference and Default Replication Interface

The following decisions were made regarding installation and deployment of the STORET Preferences Replicator:

- Include the required Microsoft .NET Framework Version 1.1 Redistributable Package as a separate link with the deliverable.
- During installation, check for the existence of the .NET Framework software. If not present, provide appropriate message where to find the software (e.g., STORET web site, Microsoft web site).
- Help will be provided as a Hyper-Text Markup Language (HTML) file and will include user interface and detailed process description information.

3.4 Multiple Station Selection

The participants discussed design options for a web-based multiple station selection application. The long term goal is to design a service based open architecture application compatible with existing Office of Water (OW) systems, not just STORET. Further discussions were tabled until January 2005.

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

Number	Action Item	Assignment	Date Issued	Status	Date Completed
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 ITIS data acquisition and supplementary data processing.	L. Manning	07/28/2004	Open	
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

5.0 Next Meeting

The next meeting is to be determined.

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	
Wilson, Joseph	Wilson.Joe@epa.gov

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: December 1, 2004 to December 15, 2004			
Release Version	Date Initiated	SIR #	Description
R	12 01 2004	1650	Create delimited exports of the preformatted reports. Specific reports are to be determined.
R	12 01 2004	1651	Provide ability to retrieve Binary Large Objects (BLOBs), or provide an indicator of when a BLOB is associated, in the export reports. This scope of this SIR is to be determined.
R2.0.5	12 01 2004	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 report is selected.
R2.0.5	12 01 2004	1665	Create report showing genus, species, and common name information for the selected characteristic(s).
UA	12 01 2004	1652	Provide ability to select individual Preference and Default areas to replicate.
UA	12 01 2004	1666	Provide ability to save source Organization exports in American Standard Code for Information Interchange (ASCII) format.
X2.0.3	12 01 2004	1653	Change the total count on the status bar at the bottom of each form to show total record count instead of "?" (e.g., Record 1 of ?).

Legend for System Version:

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

R = Report Module, UA = Preferences Replicator Utility, X = Web Registration Application

ATTACHMENT B

User Support Log

User Support Log - Period: December 1, 2004 to December 15, 2004			
Date Received	Application	Issue	Response
12/7/04	R2.0.4	User not able to connect to Oracle 9i database on server using Oracle 8.0 client.	<p>Sent email suggestion to set SQLNET.AUTHENTICATION_SERVICES=(NONE). A similar problem (e.g., unable to connect with little or no error messaging), but perhaps causally unrelated, was observed related to authentication services.</p> <p>Sent follow-up email with the results of the following activities:</p> <ul style="list-style-type: none"> - Examination of the 9.2.0.6.0 patchset looking for compatibility or connectivity issues reported in the 9.2.0.5.0 patch set used by user. - Search for other Oracle users reporting compatibility or connectivity issues regarding Forms 6i or 8.0 client with Oracle 9i. - Introduction of errors in configuration files, registry and software which impact the initiation of the application and may cause it to fail as described (i.e., completed abort/close without error message). <p>Additional Oracle suggested configuration issues influencing compatibility or connectivity were provided.</p>
12/7/04	C2.0.3	User requested a “dmp” of the Oracle Designer repository for the Data Warehouse so they can generate some DDLs and Server Diagrams.	Provided the “dmp” file.

ATTACHMENT C

Taxonomic Hierarchy report

EXAMPLE

Reference Table Taxonomic Hierarchy

June 18, 2002 15:37:20

Name	ITIS Rank	Syn	Display Name	Common Name
Asterales	Order		Asterales	
	Family		Asteraceae	<u>Sunflowers</u>
	Family	S	Compositae	
	Genus		Acamptopappus	<u>Goldenhead</u>
	Species		Acamptopappus shockleyi	<u>Shockley's goldenhead</u>
	Species		Acamptopappus sphaerocephalus	<u>Rayless goldenhead</u>
	Variety		Acamptopappus sphaerocephalus var. hirtellus	<u>Rayless goldenhead</u>
	Variety		Acamptopappus sphaerocephalus var. sphaerocephalus	<u>Rayless goldenhead</u>
	Variety	S	Aplopappus sphaerocephalus	
	Genus		Acanthospermum	<u>Starburr</u>
	Species		Acanthospermum australe	<u>Paraguayan starburr</u>
	Species	S	Melampodium australe	
	Species		Acanthospermum hispidum	<u>Bristly starbur</u>
	Species		Acanthospermum humile	<u>Hispid starburr</u>
	Species		Acanthospermum humile	<u>Low starburr</u>
	Species	S	Melampodium humile	
	Species		Acanthospermum xanthioides	<u>Southern starburr</u>

ATTACHMENT D

Binary Large Objects on Preformatted Reports Matrix

Report	Project	Station	Station Visit	Activity	Result	Citation	Operating Period
Organization Summary							
Personnel Summary							
Program Summary	Yes						
Cooperating Organization Summary							
Field/Lab Analytical Procedures and Equipment Summary							
Field/Lab Analytical Procedures and Equipment Detail						Yes	
Lab Sample Preparation Procedures						Yes	
Characteristic Group Summary							
Characteristic Group Details						Yes	
Sample Collection/Creation Procedures						Yes	
Sample Collection/Creation Gear/Equipment Configurations							
Sample Preservation, Transport and Storage Profiles							
Laboratories							
Citations						Yes	
External Station ID Schemes							
Project Summary	Yes	N					
Project Details	Yes	N	N	N		Yes	N
Station Summary	N	Yes					
Station Details	N	Yes					
Trip Summary	N	N	Yes	N			
Trip Detail	N	N	Yes	N			
Activity Detail		N	Yes	Yes			
Result Detail	N	N	Yes	Yes	Yes		
Result Inventory Summary							
Result Inventory Summary by Station		Yes					
Automated Data Logger Summary	Yes	Yes					Yes
Automated Data Logger Detail	Yes	Yes					Yes
Automated Data Logger Result Inventory Summary							
Automated Data Logger Result Inventory Summary by Station		Yes					
Unassigned Activities to Projects		N		N			
Reference Table Chemical Names							

Report	Project	Station	Station Visit	Activity	Result	Citation	Operating Period
Reference Table Chemical Names without Parameter Codes							
Reference Table Permitted Values							
Reference Table Permitted Value Characteristics							

N = Parent Data on report but not chosen for BLOB retrieval; Yes = Chosen for BLOB retrieval.