

## **ADAMS USER GROUP MEETING**

**June 12, 2002**

**1:00-3:00 p.m.**

**NRC Headquarters**

**Room T2 B3**

### **Agenda for the ADAMS User Group Meeting #4**

Introductions (1:05-1:15 p.m.)

- Opening remarks - Tom Smith, Moderator
1. General announcements (1:15-1:20 p.m.)  
How the meeting will be conducted for
  - persons present
  - persons on the telephone bridge
2. Action items from the 3/20/02 meeting update (1:20-1:30 p.m.)
  - Remind NRC staff to better monitor press releases for ADAMS accession numbers
  - Consistency of title field data
  - Duplicate records in ADAMS
3. Issues related to Official Agency Records (OARs) in ADAMS (1:30-1:45 p.m.)
  - Paper/fiche environment
  - ADAMS environment
  - Q&A
4. Issues related to the next release of ADAMS (4.0) (1:45-2:00 p.m.)
  - CITRIX Issues
  - Master Schedule
  - Stress Testing for 4.0
  - Public Document Room (PDR) Involvement in Testing Functional Requirements

Break (2:00-2:15 p.m.)

5. Bibliographic Retrieval System (BRS) and the Legacy Library (2:15-2:30 p.m.)
  - Recent BRS hardware problems
  - Where we stand with maintenance issues
  - Legacy Library
  - Q&A
6. Status of Full-Text Searching (2:30-2:35 p.m.)
  - What's currently available
  - Q&A
7. Public Interface Prototype (PIP) status update (2:35-2:55 p.m.)
  - Role of the ADAMS User Group in PIP
  - How AUG members can obtain a system demo
  - Q&A
8. New business (2:55-3:00 p.m.)
  - Plans for next meeting
  - Set a date (September 18<sup>th</sup>)
9. Adjournment (3:00 p.m.)

The ADAMS User Group met for its fourth meeting at 1:05 p.m. on June 12, 2002, at the U.S. Nuclear Regulatory Commission's headquarters in Rockville, Maryland. Thomas Smith, Team Leader of the NRC Public Document Room/Library Section, called the meeting to order and chaired the meeting. Thirteen members of the public attended the meeting either in person or via the telephone bridge. The meeting followed the agenda and a question and answer period followed. Questions were taken first from those present, then from those on the telephone bridge. Ms. Linda Kilgore, a reference librarian, was on hand to answer technical questions regarding the agenda topics. Marsha Ward (also from the PDR) took the meeting minutes.

Mr. Smith first set forth the telephone bridge procedures, and then made a general announcement concerning the related matter of the recent PDR email issue. Due to either a corrupted file or a virus, the PDR email was unavailable from Friday, June 7, through midday on Tuesday, June 11, 2002. Technical staff worked to rebuild the PDR mail box to correct the problem. Attendees were advised to call the PDR staff for assistance if they had sent an email to the PDR during that time period and had not received an answer.

### **Old Business Action Items**

Mr. Smith brought the members up to date on old business from the meeting on March 20, 2002, and gave updates on the following items:

- Erroneously cited or referenced ADAMS documents in *Federal Register* notices and press releases available in the PDR create inconvenience for both PDR and ADAMS users. Mr. Smith has prepared a network announcement, which is currently going through the concurrence channels, to bring this to the attention of NRC staff and rectify the problem.
- Title field conventions are determined by ADAMS templates. The Document Processing Center (DPC) staffs are the primary ones finishing the profiles and using these templates to create the information that the public and the staff see in the title fields in ADAMS. Issues concerning accuracy should be brought to the attention of the PDR and will be addressed by the DPC staff.
- Duplicate records are sometimes found in ADAMS. At the last meeting Mr. Smith asked AUG members to send him examples of duplicate records for correction purposes. AUG members were asked to continue this practice and also to notify the PDR staff of any they may discover. They can do this by sending an email to [pdr@nrc.gov](mailto:pdr@nrc.gov).

Mr. Smith asked if there was further discussion on any of the Old Business Action Items; there was none.

### **Official Agency Records (OARs)**

An AUG member had asked a question concerning the Official Agency Records (OARs) in ADAMS on the public server. The response began by comparing the current ADAMS OAR environment with the pre-ADAMS environment, in which the collection was primarily paper and 48X microfiche with duplicate copies sent to the PDR and the former local public document rooms (LPDR). Schedules from the National Archives and Records Administration (NARA) determined the retention period for pre-ADAMS documents. In the ADAMS environment, the agency retains only an *electronic copy* of the OAR only (without a corresponding paper copy as well). The public server should have only one copy of each official agency record. As in the

previous paper/microfiche-based environment, NARA schedules for records retention also govern the life of electronic records. *Federal Register* notices regarding NRC records retention schedules have been published and made available for public comment.

The members were asked if they had any questions; there were none.

### **Next Release of ADAMS (4.0)**

The next major system upgrade, for both in-house NRC and public users of ADAMS, is planned for this autumn. The anticipated release date is October 2002. The Public Interface Prototype (PIP) is tied into the release of ADAMS 4.0. This Web-enabled version of ADAMS will be released approximately 4 weeks after the CITRIX-based ADAMS 4.0 is made available for public use.

PDR and NRC staff have been conducting tests in the PDR and the NRC test facility. The tests cover all existing functional requirements in ADAMS. The PDR staff's testing of ADAMS release 4.0 includes using an Internet service provider (ISP) outside the NRC firewall; this testing is in progress. After testing the new version of the software, any problems discovered by the PDR staff will be addressed.

Once the problems have been corrected, there will be another round of testing before the actual release to public. Any new documentation related to the upgrade will be posted on the Electronic Reading Room page of the NRC's public Web site.

Extensive stress testing of both of ADAMS 4.0 and PIP to ensure that both systems are functional and can handle the traffic will also be conducted. The system now supports about 25 to 35 concurrent users and between 397 and 590 log-ins (sessions) per day. The impact of introducing PIP to the public is unknown at this time. CITRIX (ADAMS 4.0) users and PIP users may be two different audiences, or there may be carry-overs between the two searchable versions of ADAMS.

An AUG member who attended the meeting asked what types of screens will users see with ADAMS version 4.0. Mr. Smith replied that the screens should stay the same and, if there are changes in any screens, information about the changes will be posted on the Electronic Reading Room page to inform all ADAMS users.

Another member, who participated via the telephone bridge, asked how the upgrade will affect the user's current printer and whether that printer will be on the list of usable printers with the new version. Mr. Smith said it is unknown at this time, but if new software needs to be downloaded, information will be posted on the NRC's Web site. The printer issue is still a problem for us. The new printer software, Screwdriver, will assist us in meeting user needs by supporting printers that are not covered by CITRIX.

An AUG member present at the meeting asked if the problems she was encountering when attempting to print ADAMS documents was a problem with her printer or a CITRIX matter. Mr. Smith agreed to look into the issue for her. Another AUG member at the meeting asked if printers that are currently used successfully will be usable with the new release. Mr. Smith responded that the use of Screwdriver should allow older printers to continue in use with the new release. Mr. Smith also indicated that the introduction and use of the Screwdriver software in the new release will enable the use of additional printers that are not on the existing list of

CITRIX-supported printers. Information will be posted on the NRC's public Web site as it becomes available.

Ms. Kilgore stated that printer-related questions and problems are not as numerous today as when ADAMS was initially deployed in November 1999.

### **BRS and the Legacy Library**

As mentioned in previous meetings, Mr. Smith noted that the BRS hardware platform is antiquated and the PDR did have problems with the database during the week before the meeting. Hewlett-Packard Company (HP) repaired the BRS hardware by resetting a card in the central processing unit (CPU).

The problem has been corrected and the BRS database is up and running again. The NRC has extended the contracts to maintain the software and hardware September 2002. The cleanup of the NUDOCs/BRS records (duplicates and (PRI) records and, accession numbers) that were transferred to the Legacy Library continues. These records must be fixed and the software tested before the ADAMS Legacy Library can be deployed. The PDR reference librarians are developing a 25-step script to test the Legacy Library. The BRS will most likely be extended beyond the original September 30 date.

An AUG member, who participated via telephone bridge, asked how long the delays will be in deploying the Legacy Library system and when it will be available. Mr. Smith replied that the estimated time is 3 months until possible deployment depending on testing.

If members experience any problems or issues with the BRS, please notify the PDR staff and they will investigate the problems.

### **Status of Full-Text Searching**

The NRC is working with the software vendor to ensure that the full-text search capability in ADAMS is working as it should. Once the NRC staff is certain that they know that the system works as designed, the appropriate documentation will be posted so our users will have a complete background and comprehensive understanding of the full-text search capability.

**The AUG meeting broke for a short recess at 1:50.**

**After a 10-minute break the AUG meeting reconvened.**

Mr. Smith gave an update on the Public Interface Prototype (PIP) activities that occurred since the March 2002 AUG meeting. Three weeks after that meeting, the NRC met with Convera to further plan the Web-enabled version of ADAMS and specifics of the search-and-retrieval software. RetrievalWare Version 6.7, which was the application that the March 2002 PIP demo encompassed, is no longer the baseline system because Convera will no longer support that version. The most current release, RetrievalWare 7.0, is the version that the NRC will use for PIP and the one that will ultimately be deployed. Microsoft Internet Explorer is no longer the exclusive browser for PIP as announced in March. Convera will now support both Netscape and Internet Explorer as browsers for PIP. This will ensure a broader user base for PIP. Other changes came about after the PDR staff reviewed RetrievalWare 7.0 and made decisions as to what was wanted:

- Users can now change the settings for the number of documents to return/view.
- Document mark-up style for both PDF and TIF files will have viewing options.
- The “Ask Why” feature shows what definition was used to return a specific hit.
- “More Like This” allows users to construct a new search based on search results of a specific hit (give me more hits like this one).
- Ability to “OR” between fields in Advanced Search.

Another topic that was referenced was the semantic expansion feature, which determines the “depth” of searching through the knowledge base for related words and meanings. The semantic expansion level determines how precisely search terms will be matched. This level will be kept at Level 3, as the best compromise between accuracy of results returned and performance speed.

Drop-down lists, a popular feature, will be unchanged, with Author Affiliation, Addressee Affiliation, and Document Type.

An “already seen” feature to indicate a hit already viewed or seen will be available in Retrieval Ware Version 7.0 after viewing the full text or image files.

The role of the AUG in development of PIP was discussed. As PIP cannot be put outside the NRC firewall for testing, demonstrations will be given in the NRC Test Facility and, hopefully (if it can be arranged) in the PDR in the near future of first the test version and then the production version of PIP. In the Pre-Deployment stage, AUG members are asked to consider and recommend searches for the PDR staff to test, and to look at test search examples for adequacy. In the Post-Development stage, AUG members will be asked to offer opinions on the screen designs, review and provide feedback on the adequacy and clarity of the Help features, and tell the PDR staff if the functionality of PIP is adequate.

A member, who was present at the meeting, asked, “You say PIP is a search and retrieval tool. When I currently put in a one word search in ADAMS, it takes too long to return a hit list. Will semantic expansion reduce the size of the hit list and make it faster?” Mr. Smith responded that semantic expansion is different from Boolean searching. He discussed the concept search function in PIP, which uses built-in dictionaries and thesauri to obtain search results.

The member then asked, “So what do you mean by semantic expansion? Doesn’t that expand the number of hits? The response was yes, but the level returned are the most reasonable and the most closely related to the term or phrase searched. Another AUG member added that you can also use it to reduce and refine your search if the resulting hit list is too large. A general discussion of concept searching, retrieving the best results in a search, and the Relevancy Ranking feature in PIP followed.

Another AUG member, who was present at the meeting, asked whether the PIP dictionaries are customized. The answer was that the NRC is actively considering adding to the existing dictionaries, the BRS thesaurus, and possibly an NRC NUREG with nuclear terms and acronyms.

Mr. Smith then called for additional business or items that anyone wanted to bring up for discussion. No issues were brought up. At that point, the next meeting date was discussed and set for September 18, 2002. The announcement of the meeting will be posted on the AUG page and in the Meeting Announcement page on the NRC's Web site.

Finally, any AUG members present on site were invited to stay and see a demo on the current version of PIP. The meeting then adjourned at 2:45 p.m.