



BAMS/DSS[®] 6

Discussion and Demo

Trns•port User's Group
November 2002



Primary Topics

- Migration to v6
- Database Edit
- SAS Database
- New Output Options
- What Else?



Migration to v6

- **Steps**
 - Migrate the data: Export/Import
 - **Advantage – Integrity**
 - Copy the ad hoc programs and MAPDB datasets
 - Migrate existing BAMS/DSS profiles
- **Documentation with version 6**
 - *BAMS/DSS Data Migration Guide*
 - *General Guide to Installation and Migration for Client/Server BAMS/DSS*



Direct Database Edit

- Technical Review Team decision to not include the Interactive database edit
- Issues considered during development
 - Funding available vs cost to build
 - BAMS/DSS Database Edit screens were custom built for each table
 - Added new pre-construction tables and columns
 - Added the complete Site Manager database



Direct Database Edit

- Issues considered during development
 - Future costs
 - Expensive to maintain and to modify for future expansion
 - Level of use
 - Most of the tables are not updated interactively
 - Other options were available to fix data



Direct Database Edit

- Current options available for updates
 - Fix and Re-Import from source systems
 - Can use interactive Edit Error process for PES/LAS/CAS tables
 - SiteManager is a direct pull with no edit checking
 - Must re-import if needed to add or correct data
 - Database specific or third party tools can be used for direct edits



Direct Database Edit

- Possibilities for future enhancements
 - Could build meta-data based edit and data verification option
 - Works off of the same meta-data as the BAMS/DSS 6 Import process
 - Could integrate then with
 - BAMS/DSS Data Browser
 - Edit Error Facility
 - Work with agencies to build specific screens for the edits they need



SAS Database Option

- **SAS is not gone**, only the choice for using SAS datasets to store the historical BAMS/DSS data
- SAS is not a relational database, it did not perform well with an ODBC interface
- Supporting it would have required developing and maintaining separate data access routines and limited options & functionality for future enhancements



SAS Database Option

- SAS/Access provides access to relational databases so ad hoc programs can still be used to access the BAMS/DSS databases
 - This has been used since BAMS/DSS version 3 with DB2
 - Works also with Oracle, Sybase, & MySQL
- The new MySQL database provides a zero cost, low maintenance relational database option for BAMS/DSS



New Output Options for 6.2a/6.2b

- SAS reports and graphs can now be generated in PDF, HTML, and RichTextFormat (RTF)
- Graphs can also be generated with an HTML frame page or a SAS ActiveX enabled viewer
- These reports/graphs are in addition to the current output
- Options specified at run time



What Else?

- Other questions, concerns ?
- Demo



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