

JACoW Database Meeting

JACoW Database Status



Modules



- Repository Complete
- Profiles Complete
- Front End Complete
- Editor Functions Initial Page Complete
- Reports Complete
- Maintenance Complete
- Synchronization Complete: One way
- Post-Conference To do
- File Up/Download Issues / Scope



Repository



- A complete copy of the the JACoW DB data and structures.
- The only source for Affiliations, Institutions and their supporting tables. Can not be edited directly in the conference DB.
- Provides seed data for Persons, Profiles, and supporting tables (e.g. keywords, classifications, presentation codes, etc.).



Profiles



- Supports multiple affiliations per person.
- Supports multiple contributions per account with different primary authors and speakers.



Front End



- Main program used by contributors.
- Renamed from PAC to JACoW.
- Synchronizes to main repository.
- Persons and Profiles maintenance are independent after initial download.
- Editor & Sort/File maintenance is merged into the “front-end” code.



Editor Functions



- Opening screen converted.
- Awaiting end of PAC03.
- Not a significant amount of code.
- All functionality, including reports, are controlled by roles and assigned by the conference administrator.



Reports



- Many last-minute changes and additions during PAC01.
- Multiple scripts combined into one reports module.
- Easier to maintain.



Maintenance



- New package.
- Replaced the Oracle Developer forms.
- Generic routine for standard maintenance tables.
- Specialty routines for Sessions, Classifications and Byte Codes.



Synchronization



- Setup routine for the initial data load.
- Periodic updates from main repository.
- Profile maintenance is local during conference.
- Remaining issues: Sync Back to Repository
 - New values in supporting maintenance tables?
 - New Account and Profiles



Post-Conference



- Not yet converted for PAC03.
- Changes are likely so I'll wait.



File Up/Download



- Database is platform independent.
- Oracle file upload/download is expensive.
- Still searching for a platform-independent solution.
- PAC03 used Perl, which does run on Windows. Needs testing.
- Open to suggestions.



What's Next



- Set timetable for:
 - Creation of main repository DB instance.
 - Load main repository data.
 - Complete remaining code changes.
 - Complete alpha testing at Fermilab
 - Complete the installation instructions.
 - Test DB creation scripts at another site.
 - Beta testing of JACoW database at another site.
 - Write “How To” guide (editor and DBA perspective).