

SWG Meeting Minutes (Updated from August 2004 Meeting in Blue)

June 9, 2004
Houston, TX

The SWG met on June 9th to discuss the current timeline and progress of the software. The group was informed of the frustration expressed by several of the member company representatives who participated in an impromptu meeting during the Spring API conference in Atlanta.

Some of the following issues were raised as concerns during the meeting in Atlanta:

- It was expressed that the conversion tool was too complicated and need to be a one click conversion
- The software was not stable (too many crashes)
- The software was difficult to navigate
- The timeline continued to slip
- The software had not been thoroughly tested

The following action was taken as a result of the meeting in Atlanta:

- E²G will issue a monthly update of the timeline with all targeted dates frozen.
- E²G will develop a one-button conversion tool for the update from 3.3.3 to 5.0. The mining tool has been abandoned.
- E²G will develop a plan for script testing the software.
- 3-5 volunteers will be identified from the User Group companies for script testing to be completed by August.

The SWG members were polled in order to determine each of the members concerns with the current software and timeline. The group is encouraged by the latest release and has established the following priorities for the August release. If these issues can be completed in the August software version release, each member agreed the release would be ready for production use.

SWG Expectations for the Aug Release Date

Stability Issues:

- The software must be stable. The preliminary testing on the June release is very encouraging. The software seemed very stable and fast.
 - **The feedback from the SWG during the script testing was very positive. No stability issues were raised.**

Conversion of 3.3.3 Data:

- Need to have high confidence of the converted data (Data QC).
 - **Several SWG members have performed extensive testing of the export tool. E2G has incorporated all of the comments prior to August 10th into 5.01.0035 release.**

- Need to continue with further testing by the sponsor group members.
- Need to develop a table view for QC effort with the capability to export to Excel.
 - Jerry Davis/Brian Bush will send Lynne a copy of the data fields used by BP for QC/QA efforts. Lynne agreed to incorporate new queries into the software based on the information from BP.
- E²G to provide documentation of data mapping from 3.3.3 to 5.0 translator.
 - Lynne has it will send out.
- E²G to provide documentation of the translator defaults used in conversion.
 - Same as above
- Develop suggested 3.3.3 data conditioning requirements for translation to 5.0 (i.e. Asset ID field).
 - See comments below

Need to Establish Guidance for Changing Default Settings:

- Now that the mining tool has been eliminated and replaced with the translation tool conversion process, the ability to modify defaults and change data in the mining tool has been lost.
- Need guidance from E²G on what data needs to be changed and where the changes must occur in the absence of the mining tool. It was understood that these changes would need to be made in Access or some other database or spreadsheet program.
 - Working in the back end has major data integrity issues and needs to be carefully scrutinized prior to heading in this direction. See comments below.

Identify the Major Differences Between 3.3.3 vs. 5.0 (These issues will be addressed during the FHR pilot study)

- Pilot Study will produce a document identifying and explaining differences expected when converting from V3.3.3 to V5.0
 - Pilot study is not complete.
 - Boger is seeking approval from management to perform a pilot study with Berwanger
 - Corpus pilot will be done at a scaled down effort (Nov/Dec timeframe)
 - FHR north Pole will be done with 2 units (Oct timeframe)
- Create bullet list of changes between V3.3.3 to V5.0
- Test and develop confidence with Inspection Planning
- Develop an improved Inspection History/Evergreen form
 - A new form has been developed and is in the 5.01.0035 software

Miscellaneous Functionality Issues

- Need to have the ability to view damage over time (graphics plot).
 - Developed and is in the 5.01.0035 software

- Need to have the ability to view the detailed results of consequence and financial modules
 - Currently the details can be viewed in the diagnostics output file as well as the Total Risk/DF hot link in the Inspection Planning screen.
- Need to have the ability for user defined structural thickness defaults (failure frequency table).
 - This can be changed in the component data table. These changes will set defaults at the unit level. May need to move to the plant or corporation level (this may be a major schema change)
- Need to be able to add new equipment efficiently. This will be thoroughly tested during the script testing. (Create new, copy as and copy and paste function).
 - Works well. Ctrl/drag/drop Adds number to name
- Need to review the current reports - check what is in Version 5.0 (Review K.G. submitted Docs).
 - Will work with what we have now and update when the need arises. MSG to circulate Ken's reports
- Ability to see key data in results screen to reduce excessive navigation to other forms.
 - Complete. Added risk results to damage module screens
- Improve the layout for the damage modules forms and functionality of table views (note prototype form ability in inspection planning form and demonstration by E²G).
 - Complete. Looks and feels great! This was a major improvement in the user interface.

Post August Release Issues

- RBI "Light" is not a current priority and will not be included in the August release. The SWG will determine the need and set the priority of this issue at a later date.
- Need to have the ability to set a user defined damage factor target that above which we would want to inspect regardless of consequence i.e. - if DF >1000.
 - This is still a major priority for the SWG and may involve schema changes
- Front end Global Filter/Edit for Materials, Dates, Corrosion Allowance and Corrosion Rates. The alternative would be to produce a guidance/procedure document that would explain how to perform these steps through the backend (Access).
 - The general guidance will be to condition as much as the data possible in 3.3.3 prior to conversion. Import and see what the errors are first.

- Lynne agreed to begin work to develop several key queries and tables that will allow high end users the ability to check and modify your data. The top six voted on the SWG are as follows:
 - Corrosion allowance
 - Tmin
 - Fluids
 - Material of construction
 - Min measured thickness
 - Pressure and Temp

Summary:

Overall the SWG feels very good about the software. The SWG would personally like to thank Lynne, Dave and their staff on the outstanding job they have done in getting the software ready for production. The improvements made over the last two releases (.0034 and .0035) were huge. We are well on our way to having a world class analysis tool that is second to none in the industry.

The SWG is satisfied that enough testing has been completed in order to release the software to the User Group for testing and training. We are at the point that the software needs to be tested by a larger audience in order to take it to the next level.

- Each user should be cautioned that the new software has several key changes from 3.3.3. The most significant change being that the inspection-planning module now uses total risk targets as opposed to DF's in 3.3.3. It will be necessary for each member company to perform sensitivity testing in order to set risk targets.
- This change also affects the combination of damage mechanisms in the sum of the total risk number. This may be a significant change from past results and should be carefully scrutinized by each member company.