1450.4 meeting minutes - 02/21/08

Attendees:Doug Sprague, Jim O'Reilly, Ernie Wahl, Jose Santiago, Bruce Parnas,
Not Attending: Ajay Khoche

- Preamble
  - Record Meeting (*2)
  - To Listen to recording of meeting:
    - Call the (US) dial-in numbers 1-877-421-0003 (toll free) or 1-770-615-1374 (toll)
    - Enter special playback passcode: 747464
    - Once in, enter *3
    - Enter file number for this specific meeting: 03930301
    - Enter 1 to listen to the conference call
  - IEEE Meeting, no discussion of proprietary information
- Action Items from last week
  - Doug to setup meeting with Jose/Jim on documentation/process
    - Meeting was held. There will be a weekly meeting between Jose/Jim/Doug to address process or doc issues.
  - Jim to get current docs out to people/web
    - Done. Website updated. Jim will continue to keep website updated with current documents
- Website maintenance
  - Site now updated with many recent meeting minutes. Still in progress for 1/31 and 12/1307
- Face2face at VTS?
  - Ajay - yes, Jose - maybe, Jim - maybe, Ernie, Bruce, Doug – no
  - No formal full wg meeting planned. As time approaches there may be coordination of sub-team meetings at VTS
- Discussed new plan of attack for documentation
  - Jose taking over ownership of master document for dot4
    - Merging current documents into a single document.
    - Team to use MS Word instead of FrameMaker for ease of integration of sub-teams content into and out of master document.
    - Sub-teams to manage their own documents and work with Jose to keep them in sync with master document. Keep issues list for items which come up in the sub-teams, review at full team level and either resolve or add to master issues list
  - Jose will look at pulling any relevant issues into the master document. Plan to review and scrub this list at the next meeting. Team should try to look through this list in prep for the next meeting.
    - Current issues list:
      - http://grouper.ieee.org/groups/1450/dot4/P1450-4_WG_IssuesResolutions.doc
- Discussed process changes for team
  - Break up into sub-teams to attack todolist items in parallel
  - Jose to play PM role for team to keep us on track for 2008

- o Jose will come up with a project plan working with each of the sub-team leads
    - ■ Each sub-team needs to describe what needs to be done to complete their todolist item, and send to Jose for inclusion in the project plan. Try to do before next meeting.
    - ■ Each sub-team will need to address conceptual, syntax, and use cases components as part of that team's deliverables
    - ■ Need to manage constraints across all sub-teams
    - ■ Need to include end of year reviews in overall project plan
    - ■ Plan to include gantt chart in project plan
    - ■ Discussed plan for issues resolution and passing issues to other teams for resolution. Also, sub-teams may need to make assumptions to move ahead until issues get fully resolved. Sub-teams need to document these assumptions/issues.
- ● Reviewed latest prioritized todolist
    - o Bruce to help with integration with other specs (like dot0), Doug to lead that sub-team
    - o Maybe need to pull in Greg M from time to time or have separate meetings with him to resolve issues on these fronts
    - o Jose suggested sub-teams to give brief updates every other week (status, roadblocks, dependencies)
    - o This week was for sub-teams 1-4, next week will be 5-8 (see sub-teams below)
    - o Separate deep dives for special topics, each week
    - o Concepts/Syntax/UseCases need to be reviewed for approvals at full team level
    - o Need to strive for any syntax changes for dot4 to not break syntax for other dots. Extending these other dots is OK, breaking them is not.
    - o See updated todolist / sub-teams below.
- ● Reviewed latest changes to Ernie's binning document
    - o Reviewed several issues
    - o Ref email:
        - ■ Subj: Current Binning Syntax Example Files
        - ■ Date: 2/21/08
    - o Issue1
        - ■ `File` **BinningSyntaxExample.txt**
        - ■ `Line 6:  Bin "2.66GHz" 4; // What does the integer mean ? Defeats index ?`
        - ■ Optional integer ("4" in this case) causes problems with indexing
        - ■ Ernie suggests we remove this as an optional parameter
        - ■ Need to have 1-1 mapping of bins to sequential index
        - ■ It causes problems on the pass side of things
        - ■ This would cause non-contiguous mapping which would be hard to deal with
        - ■ Needs to be a contiguous mapping of bins to the axis array
        - ■ Team voted to remove this optional integer

- Note: Some other languages do allow for this approach for soft binning, but if it seems that this will be a problem as we proceed further with the dot4 spec, then we will deal with it then
  - Issue 2
    - File **BinningSyntaxExample.txt**
    - Line 22:
    - // Should we change syntax
    - // [(BIN_AXIS.SOFTBIN_NAME)*] -> integer;)*
    - // to
    - // [(BIN_AXIS.SOFTBIN_NAME)+] -> integer;)*
    -
    - Ernie suggest we require at least one soft bin name.
    - Does not make sense to map nothing to an integer value
    - Team voted to change syntax to as Ernie suggests
  - Issue 3
    -
    - File **BinningSyntaxExample.txt**
    - Line 24:
    - :
    - // Should we change syntax to have explicit "Map" keyword
    - // So change:
    - //   [(BIN_AXIS.SOFTBIN_NAME)+] -> integer;)*
    - // to
    - // **Map** [(BIN_AXIS.SOFTBIN_NAME)+] -> integer;)*
    -
    - Ernie suggest this would be more consistent with other similar STIL statements
    - Team agreed that adding the Map keyword would be more explicit
    - Ernie to follow-up on as suggestion to look at other mapping constructs in dot1 spec to ensure the mapping construct here remains consistent with the language
  - Completed review of file: BinningSyntaxExample.txt.
  - Start with review of next file at next meeting
- Next meeting 02/28/2008

Action Items:
- Each team to review issues list before next meeting with plan to scrub that list at the next meeting
- Jose to merge current docs into single master document in MS Word
- Jose to send template from new document to team leads to use for sub-team documentation.
- Sub-teams leads to send plans for each of their groups of what tasks need to be completed and a tentative schedule.
- Jose to roll into intput into a project plan gantt chart
- Sub-teams 5-8 (below) plan to have brief review of progress for next meeting.
- Ernie to investigate mapping constructs in dot1 spec for factoring into soft bin mapping

For reference STIL .4 information can be found at the IEEE STIL website:
http://grouper.ieee.org/groups/1450/ (select the P1450.4 link from the table) or use the direct link
http://grouper.ieee.org/groups/1450/dot4/index.html

----------- Latest Prioritized High Level Dot4 Todolist --------------

NOTE: First person in list is sub-team lead

 Phase 1 (Must Have for ballot!!)

1 Process (Jose, Doug, Jim)
2 Documentation (Jose, Doug, Jim)
3 Integration with Other 1450 Specs (Doug, Bruce)
4 Binning (Ernie, Doug)
5 Runtime Variables (Doug, Ernie)
6 PatternExec constructs (Jim, Ajay)
   - Don't force to a 1-1 relationship with test methods
7 TestBase (Jim, Jose, Bruce)
8 Standard Predefined Test Types (Ernie, Ajay)
  - Production Test Methods only for now
  - Need a basic functional test at a minimum
  - Tag to mark this as a functional test

Phase 2 (Can work around, but may pull some stuff into phase 1 if we have time)

9 MultiSite (??)
    Issues...
  - Have similiar concept we have in
  - How many different sites? Also, iteration and access to them
  - Syncronization between sites for shared resources
    - parallel vs serial
  - Allow for different flows per site?
  - Need to Suspend, Disable, Enable sites
  - Need to specify what program runs on what sites (assumes different dies being tested)
  - Does this even belong in Test Flow??
10 Datalogging Interface? (Ajay)
11 Bypass (in PreActions) syntax and semantics (Jim)
  - Package only, Wafer only issues
12 Interfacing to Shmoo Plotting (??)
   - May want to do this as a high level construct that you associate with an instance of a
test
13 Input/Output Interface? (Ernie??)
14 Writing/Reading to/from screen, files (??)