

Task List for WINDOW6 / THERM6 Approval

Last Updated July 29, 2010

Completed task items are grayed out.

Task No.	Task	Owner(s)	Estimated Completion Date	Status	Notes / Comments
1	Satisfy NFRC Criteria:				
1-A	Covered in items #2 through #10	TG	TBD	Completed	
1-B					
1-C					
2	Cost / Benefit:				
2-A	Identify all current and future costs of the software.	LBNL / Staff	1/12/2007	Completed	Scott, Robin, & Christian to formulate analysis (Sim Manual); Scott & Bipin to work on indirect cost
2-B	Develop Cost Benefit Analysis (CBA).	Staff / TG	On-Going	Completed	Reviewed items and costs
2-C					
3 + 4	Accuracy / Comparisons:				
3-A	Provide documentation comparing Window6/Therm6 results with existing software tools (where applicable), test data, and applicable published results, including the NFRC validation research project.	LBNL/ duPont	Oct '10		Comparisons with tests and simulations.
3-B	Conduct simulations of products already tested and compare results.	LBNL / duPont	On-going	On hold pending budget.	Pella, U. of Waterloo data , 2 sets of ODL data (including R. DePaola data).
3-C	Provide intermediate reports for review as available.	LBNL/ duPont	On-going	On hold pending 3A and 3B	
3-D	Review reports as they become available and provide feedback.	TG	On-going	On hold pending 3A and 3B	
3-E	Identify additional data needed.	TG	On-going	On hold pending 3A and 3B	
3-F	Draft a RFP summary page	duPont	March '07	Completed	
3-G	Draft RFP for ballot	duPont	May '07	Completed	NFRC due date: 5/22
3-H	Mail ballots	Hayden / Staff	May 11th	Completed	Talk with S. Meza
3-I	Study comparing W5/T5 "non-complex glazing" results to W6/T6	Carli / LBNL	8/31/2010		U-factors identical and SHGC had a small bug corrected where results differed by 0.001-0.002. Study of total U-factor/SHGC/VT results show good agreement. Initial report distributed June 26, 2009. Second report to be distributed to this TG.
3-J	Posting of W5/T5 "non-complex glazing" results to W6/T6 study and database of data to website.	Staff	7/10/2009	Completed	
5	Usability & Reliability:				
5-A	Notify all Certified Simulators & IA's about LBNL posting updated working versions on website	Staff / Hayden	8/6/2010	New versions of W6 and T6 to be posted to web after training conducted per 5-E	LBNL to forward Staff link for new version to distribute to NFRC parties
5-B	Agenda item for Software SC in Arlington	Staff	11/1/2006	Completed	LBNL to give presentation @ Arlington
5-C	Presentation at Fall meeting for Monday evening 5:30 - 7:00pm	Staff	10/26/2006	Completed	
5-D	Commitments - simulators	LBNL	11/10/2006	Completed	LBNL has list

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5-E	Conduct training / testing as defined in Arlington	LBNL / Staff	5/4/2009		Based on (5-A); Updated list of participants (limited to about 10) in training formally contacted via email.
5-F	Gather and review comments from simulators & IA's / discuss w/ TG	LBNL / Staff	10/16/2009	Completed	After final testing (5-E). Report to be issued from LBNL to TG by 10/16/09 and will discuss as a group at next conference call
5-G	Follow up on action items from from 5-F	LBNL	May '10	Completed	Includes possible minor usability changes to the program.
5-H	Prepare & post a pre-launch of W6/T6 for final testing by certified simulators	LBNL/Staff	8/6/2010		This is to test usability and results of the non-complex glazings functionality
6	Documentation:				
6-A	To provide a draft of user manual to all certified simulators / IA's	LBNL / Staff	2/5/2008	Completed	
6-B	To provide a draft of recommended additions to simulation manual to specified set of simulators taking the preliminary training	LBNL	7/17/2009	Completed	Focus on blinds and frits. Did not get feedback from Beta testers.
6-C	To provide a draft of technical documentation	LBNL	Complete	Different than User's Manual	First draft - Description of Algorithms is posted on LBNL web
6-D	Gather and review comments / discuss w/ TG	LBNL	7/17/2009	Completed	
6-E	Distribute latest version of Simulation Manual to all Certified Simulators and IA's, Joe Hayden	Staff/LBNL	8/31/2009	Completed	
6-F	Review comments from Simulation Manual reviewers.	TG	10/31/2009	Completed	Send reminder of link to simulators, IAs for comments.
6-G	Finalize Chapter for Complex Glazing of Simulation Manual	LBNL	Dec '10		For complex glazing only. See 5-G for documentation changes.
6-H	Finalize User Manual	LBNL	Dec '10		For complex glazing.
6-I	Develop frit model documentation	LBNL	Oct '10		
6-J	Update current Simulation Manual	LBNL/Staff	8/31/2010		From W5/T5 to W6/T6, without complex glazings. Needs to be done prior to scheduled training of W6/T6.
7	Training and Technical Support:				
7-A	Conduct training - non-complex glazing	LBNL / Staff	Sep '10		1-2 hour Webinar, includes review of Simulation Manual. Two or more sessions in September with invitations to anyone interested in learning the changes. Recommend a max of 20 per session. Target Sept. 15th for 1st session.
7-B	Conduct training - complex glazing	LBNL / Staff	TBD		(2) 1-day seminars
7-C	Maintain knowledge base, email, and phone support	LBNL	On going		
7-D	Inform APC / CPC that exams are necessary	Staff / Hayden	Feb '09	Completed	Emphasis on complex glazings
7-E	Develop an exam for complex glazing, only	Staff/LBNL	Dec '10		Need to find a set of cross-sections for between-the-glass blinds.

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7-F	Conduct exam for complex glazing, only	Staff	Jan '11		Follow initial training
7-G	Follow-up training	LBNL / Staff	Feb '11		Follow exam (webinar)
8	Availability:				
8-A	Post the approved NFRC Version on LBNL website	LBNL	9/10/2010		
8-B	Notify membership	Staff	9/10/2010		
8-C					
9	Upgrade or Withdrawal of Existing Software:				
9-A	TG to develop a formal recommendation for Software Review SC for non-complex glazing	TG	Jun '10	Completed	Implemented once 2 or more simulators are approved. Task Group to consider further.
9-B	Sunset W5/T5	TG	12/31/2010		
9-C					
10	Miscellaneous:				
10-A	Coordinate with database committee potential necessary database changes.	Staff	On-going		Staff forwarded to database developers the recommendations from LBNL to TG
10-B	Summarize recommended revisions to other NFRC documents.	Hayden	Oct '09	Complete	Compile information only; LAP / CAP manual revisions
10-C	Ballot proposed revisions for NFRC Fall Meeting	TG	Oct '10		
10-D	Coordinate with Ratings about the implementation date for dynamic glazing rating requirements	Hayden	Oct '09	Complete	
10-E	Obtain final BOD approval of W6 / T6	TG	Nov '10		
10-F	Coordinate with CMA	LBNL / Curcija	On-going		How does W6 coordinate data with CMAST (complex glazings)? Keep as placeholder. CMA scope currently does NOT include these products. LBNL to fix CR bugs in W6/T6.
10-G	Formal update of the activities of this TG to Software SC	J Hayden	Nov '10		
10-H	Plan and process for data submission of Complex Glazing Database (CGDB)	LNBL	Nov '10		Add language to 302?

Task Group Members:

Brian Crooks, Ross DePaola, Willie duPont, Scott Hanlon, Joe Hayden, Christian Kohler, Jim Krahn, Peter Lyons, Marles McDonald, Robin Mitchell, Bipin Shah, Mike Thoman, Dan Wacek, and Charlie Curcija.