

# Task List for WINDOW6 / THERM6 Approval

Last Updated February 12, 2010

Completed task items are grayed out.

Task No.	Task	Owner(s)	Estimated Completion Date	Status	Notes / Comments
<b>1</b>	<b>Satisfy NFRC Criteria:</b>				
1-A	Covered in items #2 through #10	TG	TBD	Completed	
1-B					
1-C					
<b>2</b>	<b>Cost / Benefit:</b>				
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					
<b>3 + 4</b>	<b>Accuracy / Comparisons:</b>				
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	May '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 / TG / LBNL	7/1/2009	Completed	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. Final report distributed June 26, 2009.
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	
<b>5</b>	<b>Usability &amp; Reliability:</b>				
5-A	Notify all Certified Simulators & IA's about LBNL posting updated working versions on website	Staff / Hayden	On-going	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		Includes possible minor usability changes to the program.
<b>6</b>	<b>Documentation:</b>				
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	May '10		For complex glazing only. See 5-G for documentation changes.
6-H	Finalize User Manual	LBNL	May '10		
6-I	Develop frit model documentation	LBNL	May '10		
<b>7</b>	<b>Training and Technical Support:</b>				
7-A	Conduct training - Simulators / IA's	LBNL / Staff	Aug '10		Initial training via Webinar (two 1-day sessions).
7-B	Maintain knowledge base, email, and phone support	LBNL	On going		
7-C	Inform APC / CPC that exams are necessary	Staff / Hayden	Feb '09	Completed	Emphasis on complex glazings
7-D	Develop an exam	Staff/LBNL	Jul '10		Need to find a set of cross-sections for between-the-glass blinds.
7-E	Conduct exam	Staff	Aug '10		Follow initial training
7-F	Follow-up training	LBNL / Staff	Sep '10		Follow exam (webinar)
<b>8</b>	<b>Availability:</b>				
8-A	Post the approved NFRC Version on LBNL website	LBNL	Jul '10		Final version for public
8-B	Notify membership	Staff	Jul '10		
8-C					
<b>9</b>	<b>Upgrade or Withdrawal of Existing Software:</b>				

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9-A	TG to develop a formal recommendation for Software Review SC	TG	Jun '10		Implemented once 2 or more simulators are approved. Task Group to consider further.
9-B					
9-C					
<b>10</b>	<b>Miscellaneous:</b>				
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 propose revisions for NFRC Spring Meeting	TG	May '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	Jul '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.
10-G	Formal update of the activities of this TG to Software SC	J Hayden	Apr '10		

## 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.