

## NEESWood - Gantt Project Schedule Chart and Brief Description

Task	Year 1			Year 2			Year 3			Year 4		
1. Numerical Analysis Tools (SAPWOOD)	1.1											
2. Seismic Protection Systems	2.1	2.2					2.3					
3. PBD Philosophy	3.1											
4. Testing		4.1			4.3					4.2		
5. Societal Risk / Decision Making		5.1										
6. Payload Projects		6.1					6.1				6.1	
7. Professional Advisory Committee (PAC)	7.1			7.1			7.1			7.1		
8. International Cooperation									8.1			
9. Outreach/Education	9.1											
10. Annual NEES Awardee Meetings			10.1		10.1			10.1				10.1

Subtask <sup>1</sup>	Primary (Secondary) Responsibility	Brief Description
1.1	van de Lindt (Filiatrault)	Development of nonlinear analytical/numerical tools (SAPWOOD) for development and use within the PBSD philosophy in Subtask 3.1.
2.1	Symans (Filiatrault)	Identification of effective seismic protective systems for woodframe structures.
2.2	Symans (van de Lindt, Filiatrault)	Integration of seismic protective systems within seismic analysis package for woodframe structures (SAPWOOD).
2.3	Symans (van de Lindt, Filiatrault)	Experimental investigations of seismic performance of mid-rise woodframe structures with seismic protective systems. This task is coupled with Subtasks 4.1, 4.2, and 4.3.
3.1	Rosowsky (van de Lindt, Filiatrault)	Development of a Performance Based Seismic Design (PBSD) philosophy for mid-rise woodframe buildings.
4.1	Filiatrault (van de Lindt, Symans)	Benchmark shake table testing of a full-scale two-story townhouse woodframe building at the University at Buffalo NEES facility.
4.2	van de Lindt (Filiatrault, Symans, Rosowsky)	Capstone shake table testing of a mid-rise woodframe apartment building using the E-Defense (Miki) shake table in Japan. This apartment building will be designed using the new PBSD philosophy developed in Subtask 3.1.
4.3	Symans (van de Lindt)	Quasi-static and dynamic tests of wood shearwalls with and without seismic protective devices. This task is coupled with Subtask 2.3.
5.1	Davidson (Rosowsky)	Assessment of the impact of implementing a PBSD philosophy for mid-rise woodframe structures on a region's seismic risk over time.
6.1	van de Lindt (Filiatrault)	Applications, advertisement, and organization for payload projects during the Buffalo and E-Defense shake table tests. These applications can be sent directly to the NEES Consortium.
7.1	van de Lindt (All Co-PI's)	Annual meetings of the practitioner advisory committee (PAC).
8.1	van de Lindt	International workshop to discuss and plan U.S. and international collaborative efforts (i.e., payload projects in Subtasks 4.1 and 4.2). The PI's will work closely with and follow the guidelines provided by the NEES Consortium.
9.1	van de Lindt (All Co-PI's)	Outreach and Education, both of which are coupled with all tasks presented above.
10.1	van de Lindt	Attendance and presentation on project progress at the annual NEES research and education awardees meeting

<sup>1</sup> Note that some Tasks have only a single Subtask, but remain a Subtask for consistency.