Attachment 3
<b>Overview of STE Review Process to Date</b>

Date	Action/Event	Expert Contributors
March-May 2009	Public survey for input on the 2001/2006 STE	
	Framework and standards	
April 2009	Review Panel selection	
May 6, 2009	Panel Meeting #1	
	Orientation	
	Welcome, context, charge, resources, logistics	
	Review of current performance data & targets	
	A state definition of STE literacy	
	Discuss grade-by-grade vs. grade span options	
June 11, 2009	Panel Meeting #2	Mr. James Gorman, Northbridge Public
	Progression and scope of the standards	Schools
	Overview of strand maps	Dr. Jane Heinz-Fry, Museum Institute for
	Learning progressions	Teaching Science
	Analysis of strand maps for enhancing	Dr. Carol Smith, UMass Boston
	progressions and scope	Dr. Marianne Wiser, Clark University
August 20, 2009	Panel Meeting #3	Mr. Charles Fadel, Cisco Systems
	Integration of science and design skills (STE	Dr. Katherine McNeill, Boston College
	skills) and content	Ms. Jackie Miller, Education Development
	What is currently in standards	Center, Inc.
	Relationship to 21 <sup>st</sup> century skills	
September 16,	Panel Meeting #4	Dr. Catherine Dignam, Framingham State
2009	College readiness—defined, elements,	College
	representation in grades 9-12	Mr. Nyal Fuentes, MA ESE
	Relationship to scientific and technological	Dr. Richard Larson, MIT
	literacy	Mr. Chris Lazzaro, College Board
	STE college readiness options	Dr. Jo Ellen Roseman, Project 2061, AAAS
October 14, 2009	Panel Meeting #5	
	Topic review and advocacy considerations	
	Return to grade-by-grade & grade span options	
	Overview of public sessions and phase 2	
October-	12 Regional public input sessions and selected	Co-presented by Review Panel members
November 2009	presentations at professional organization	and ESE staff
	conferences and Board of Education	
	Advisory Councils for Mathematics &	
	Science and Technology/Engineering	
	Response (n=288) to phase I direction setting	
November 12,	ESE workshop on learning progressions and	Dr. Alicia Alonzo, Michigan State
2009	the MA STE standards	University
		Dr. Aaron Rogat, Columbia University
		Dr. Stephanie Slater, University of
		Wyoming
		Dr. Timothy Slater, University of Wyoming
		Ms. Kristen Wendell, Tufts University
		Dr. Marianne Wiser, Clark University

\* Served on prior STE Framework Review Panel + Currently serves on, or had recently served on, Board of Education Advisory Council for Mathematics and Science or Technology/Engineering

December 2009-	Commission concept and skill progressions	Developed by a wide range of educational
November 2010	summarizing research of how students	researchers across the country and
	learn each STE topic	internationally
March 25, 2010	Panel Meeting #6	
	Revision of standards and strand maps	
April 29, 2010	Panel Meeting #7	
	Revision of standards and strand maps	
May 26, 2010	Panel Meeting #8	
	Revision of standards and strand maps	
June 24, 2010	Panel Meeting #9	
	Revision of standards and strand maps	
November 1, 2010	Panel Meeting #10	
	Revision of standards and strand maps	
December 16,	Panel Meeting #11	
2010	Revision of standards and strand maps	

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