

## Cosmic Study 3.13 Space Elevator Feasibility

Date: 12 March 2011  
 Subject: Status Report of 3.13  
 To: Academy Study Information

1. The team has been formed and the draft outlines for each chapter has been laid out. The key is that many of the authors have agreed to write the chapters and have shown the purpose of each chapter and what it should include. The next few pages show the schedule of the process and the chapter title and author. In addition, the list of authors is included.
2. There will be a meeting in Paris on March 21<sup>st</sup> at the Academy location at 1530 hrs.

3. The schedule is:

<i><b>Meeting</b></i>	<i><b>Date</b></i>	<i><b>Where</b></i>	<i><b>Actual</b></i>
Cosmic Study Approved	27-Mar-10	Paris Redmond	1-Oct-10
First Mtg at Space Elev Conference	12-15 Aug 2010	Wash	small mtg
Meeting at Int. Astro Fed Congress	3rd Wk in Sept	Prague	small mtg
Meeting in Paris	3rd wk in Mar 2011	Paris Redmond	draft outlines due
Mtg at Space Elev Conference		Aug-11 Wash	discuss chapters
Meeting at Int. Astro Fed Congress	1st week in Oct	Capetown	draft outlines final
Meeting in Paris	3rd wk in Mar 2012	Paris Redmond	draft chapters
Mtg at Space Elev Conference		Aug-12 Wash	draft chapters
Meeting at Int. Astro Fed Congress	1st week in Oct	Naples, Italy	chapters due
	July - Dec 2012		red team
	Mar-13		publish

Peter A. Swan, Ph.D  
 Co-chair of Report

Chpt	Title	Chapter Captain	co-Captain	Writers	Outline due	Draft due	Final Draft	Status
	Preface	Pete	Ted		1-Apr-11	1-Mar-12	15-Jul-12	
	Executive Summary	Pete	Skip		1-Apr-11	1-Mar-12	15-Jul-12	
1.0	Introduction	Pete	David		15-Jan-11	15-Jan-11	15-Jun-12	draft in
2.0	Major Challenges	Pete	Ben	Klettner/ Martin	15-Mar-11	15-Sep-11	15-Jun-12	
2.1	Systems Approach	Pete	Skip	Bryan, Klettner	15-Mar-11	15-Sep-11	15-Jun-12	
2.2	Ribbon Material	Ben	Bryan		15-Mar-11	15-Sep-11	15-Jun-12	
2.3	Ribbon Riders	Bryan	Ben		15-Mar-11	15-Sep-11	15-Jun-12	
2.4	Power for the System	Ben	Bryan	Martin	15-Mar-11	15-Sep-11	15-Jun-12	
2.5	Base Station Infrastructure	Pete	Bryan	Knapman Martin,  Uchiyama, Takeichi, Watanabe, Yasaka, Perek, Mashayekhi,	15-Mar-11	15-Sep-11	15-Jun-12	
2.6	Dynamics of Operational Ribbon	Fujii	Misra	zhongrui	15-Mar-11	15-Sep-11	15-Jun-12	
2.7	Ribbon Deployment	Fujii	Uchiyama	zhongrui	15-Mar-11	15-Sep-11	15-Jun-12	
2.8	Systems Design Issue - Environment	Pete	skip	Martin	15-Mar-11	15-Sep-11	15-Jun-12	
2.9	Systems Design Issue - Space Debris	Skip	Pete		15-Mar-11	15-Sep-11	15-Jun-12	
2.10	Systems Design Issue –Ops Concept	Skip	Pete					
2.11	Systems Design Issue - Roadmap	Akira	Laine	Pete,	15-Mar-11	15-Sep-11	15-Jun-12	
3.0	Legal Perspective	Kai	Ted		15-Mar-11	15-Sep-11	15-Jun-12	



Last Name	First Name	Email	Phone	Chptr Captain	Chptr help
Swan	Peter		480 4435698	Editor 1, 2.1, 2.5,2.8, 5, 6	2.7, 2.9,
Raitt	David			Editor	5, 6
Penny	Skip			Editor, 2.9	2.1., 5, 6
Swan	Cathy		480 4435698	Editor	
Semon	Ted				1, 5
Shelef	Ben			2.2, 2.4,	2
Glasard	Blaise			2.7	
Laubscher	Bryan			2.3	
Klettner	Markus				
Zhongrui					
Lades	Martin				
Knapman	John			-	
Fujii	Hironori			2.6, 2.7	
Uchiyama	Kenji				2.6, 2.7

Takeichi	Noboru				2.6, 2.7
Watanabe	Takeo				2.6, 2.7
Yasaka	Tetsuo				2.6, 2.7
Perek	Lubos				2.6, 2.7
Mashayekhi	Mohammad			-	2.6, 2.7
Misra	Professor				2.6, 2.7
Gjertsen	Matt				4
Kai	Sunao				3
		-			-