

TRISMAC Agenda

Day 1 - Tuesday, 26 October 2010

Time	Agenda Item
07:30	Registration
Session 1 - A1: Opening Session	
08:00	Opening Remarks <i>A. Phillips, Director, NASA Safety Center, NASA</i>
08:15	Opening Remarks <i>R. Lugo, Director, Glenn Research Center, NASA</i>
08:30	Opening Remarks <i>M. Stamatelatos, Director, Safety and Assurance Requirements Division, OSMA, NASA</i>
08:45	Keynote-NASA <i>W. Harkins, Deputy Chief Safety and Mission Assurance Officer, NASA</i>
09:05	Keynote-JAXA <i>H. Hasegawa, Senior Chief Officer, Safety and Mission Assurance, JAXA</i>
09:25	Keynote-ESA <i>W. Veit, Head of Product Assurance & Safety Department, ESA</i>
09:45	Safety Goals at NASA <i>M. Stamatelatos (NASA)</i>
10:15	Coffee Break
Session 1 - A2: Risk Management (Chair: H. Dezfuli (NASA), Co-Chair: Y. Shimizu(JAXA))	
10:45	A Proactive and Top-down Approach to Managing Risk at NASA <i>H.Dezfuli (NASA)</i>
11:15	EUMETSAT Corporate Risk Management Approach <i>G. Bernède (Eumetsat)</i>
11:45	High Reliability Approach for the Development of H-IIB Launch Vehicle <i>S. Mori (JAXA)</i>
12:15	On the Use of Risk Sequence Diagrams <i>C. Smith (Johns Hopkins University, Applied Physics Laboratory)</i>
12:45	Lunch Break <i>M. Feather (NASA)</i>
Session 1 - P1: Technology, Research and Innovation (Chair: M. Le Moine (Astrium), Co-Chair: A. Phillips (NASA))	
13:45	Technology Readiness Assessment for the ESA BepiColombo Mission <i>F. Panin (ESA)</i>
14:15	OSMA Research & Technology Strategy Team Summary <i>M. Wetherholt (NASA)</i>

Time	Agenda Item
14:45	Coffee Break
15:00	Introduction of Advanced QMS Activities for Improving Outputs of Research, Development and Operations <i>Y. Yamaoka (JAXA)</i>
15:30	NASA Software Assurance's Role in Research and Technology <i>M. Wetherholt (NASA)</i>
16:00	Space Born Support for Safety Critical Applications <i>A. Brown (ESA)</i>
16:30	TRL Assessment Applied to Exomars Payload Instruments and Lessons Learned <i>P.H. Nguyen (ESA)</i>
17:00	Group Photo
18:30	Social Event

Day 2 - Wednesday, 27 October 2010

Time	Agenda Item
Session 2 - A1: Test and Standard (Chair: A. Colon (NASA), Co-Chair: L. Bianchi (ESA))	
8:00	Demonstrating the Safety and Reliability of a New System or Spacecraft: Incorporating Analyses and Reviews of the Design and Processing in Determining the Number of Tests to be Conducted <i>W. Vesely, (NASA)</i>
8:30	Current Implementation Status of International Space Standards in EarthCARE/CPR Development <i>Y. Sakaide (JAXA)</i>
9:00	Activities of JAXA Spacecraft Design Standard <i>T. Nakano (JAXA)</i>
9:30	Coffee Break
Session 2 – A2: Lessons Learned (Chair: T. Nakano(JAXA), Co-Chair: B. Hughitt (NASA))	
10:00	Consideration of the Software-Product Assurance and RAMS Approaches in the European Space and Railway Industries – Lessons to be Learnt <i>D. P. McGuinness (ESA)</i>
10:30	LINKS: Overview of the Knowledge Sharing Program and System in JAXA <i>A. Ogawa (JAXA)</i>
11:00	Quality Assurance Lesson Learned From AGILE Three Years in Flight Operations <i>M. Cerone (Telespazio)</i>
11:30	Quality Assurance Lesson Learned From COSMO-SkyMed Constellation in Flight Operations <i>F. D'Amico (ASI)</i>
12:00	COSMO-SkyMed: System Constellation Reliability Approach and Availability In-Orbit Evaluation <i>M. Sarno (Thales Alenia Space)</i>

12:30	Lunch Break
	<i>R. Boyer (NASA)</i>
Session 2 - P1: Operations Safety & Mission Assurance (Chair: F. Safie (NASA), Co-Chair: F. D'Amico (ASI))	
13:30	Safety & Mission Assurance for a GNSS/SBAS System (EGNOS)
	<i>J-P Ollivier-Henry (Thales Alenia Space)</i>
14:00	Understanding the Elements of Operational Reliability - A Key for Achieving High Reliability
	<i>F. Safie (NASA)</i>
14:30	On the Controlled Accurate Reentry and Recovery of Hayabusa Spacecraft
	<i>Y. Shimizu (JAXA)</i>
15:00	Coffee Break
Session 2 - P2: Failure Data and Analysis (Chair: R. Ciaschi (ESA), Co-Chair: T. Watanabe (JAXA))	
15:30	RAMS Exploitation of In-Orbit Data – RIDE Tool User Requirement
	<i>J-F Gajewski (Astrium)</i>
16:00	NASA's Accident Precursor Analysis Process and the International Space Station
	<i>F. Groen (NASA)</i>
16:30	A Catalogue of Failure Data to Support Safety and Dependability Analysis of Space Systems
	<i>J-F Gajewski (Astrium)</i>
18:30	Dinner

Day 3 - Thursday, 28 October 2010

Time	Agenda Item
Session 3 - A1: Materials, Processes and Parts (Chair: J. Bosma (ESA), Co-Chair: M. Sampson (NASA))	
8:00	Quality Improvement for Welded Pipes of Space Use Propulsion System by X-ray Inspection Using Imaging Plate
	<i>R. Sekita (JAXA)</i>
8:30	Disruptive Technologies in Workmanship: pH-neutral Flux, CDM ESD Events, HDI PCBs
	<i>J. Plante (NASA)</i>
9:00	Evaluation Status of Mixed Assembly and Tin Whisker
	<i>S. Sano (Yamanashi Avio Co.)</i>
9:30	Suspect Titanium
	<i>B. Hughitt (NASA)</i>
10:00	A Product Assurance Approach Description to Validate New Technologies Used in the Hermetic Connector Assembly (HCA) of the LISA Program
	<i>M. Piermaria (ASI)</i>
10:30	Space System Development: Lessons Learned
	<i>J. Nieberding (Aerospace Engineering Associates)</i>
11:00	The Assurance Challenges of Advanced Packaging Technologies for Electronics
	<i>M. Sampson (NASA)</i>

11:30	Lunch Break
	<i>B. O'Connor (NASA)</i>
Session 3 - P1: Product Assurance (Chair: Y. Yamaoka(JAXA), Co-Chair: R. Sanabria (NASA))	
12:30	An Operational Collision Avoidance System for COSMO-SkyMed in Flight Operations
	<i>F. D'Amico (ASI)</i>
13:00	International Standardization Activities of Lithium-Ion Battery for Space Craft
	<i>T. Kiyokawa (Mitsubishi Electric Co.)</i>
13:30	Promotion and Setup of PA Practices in French Space Laboratories
	<i>G. Dorleac (CNES), G. Guyot (INSU)</i>
14:00	Coffee Break
14:30	Product Assurance Challenges in Science Ground Segments
	<i>T. Lock (ESA)</i>
15:00	Introduction of Product Assurance (PA) Activities for the Mercury Magnetospheric Orbiter (MMO) of the BepiColombo Project
	<i>H. Maejima (JAXA)</i>
15:30	Safety of Japanese Space Food
	<i>T. Watanabe (JAXA)</i>
16:00	How to Manage Quality Process in Joint Projects of Two Space Organizations - ESA-CNES Experience in Galileo LEOP
	<i>A. Mantineo (ESA)</i>
Session 3 - P2: Closing Session (General Chairs: R. Ciaschi (ESA), T. Sato(JAXA), M. Stamatelatos (NASA))	
16:30	Highlights / Recommendations / Panel Opinions / General Discussion