



# 2007 INTERNATIONAL WORKSHOP

# Technical Infrastructure Guide

		<i>Application Sectors</i>							
		Aerospace & Defense	Market Driven Products	Emerging Technologies	Enterprise	Information Systems	Infrastructure	Public Interest	Transportation
<i>SE Enablers</i>	Systems Science								
	SE Technical Process								
	SE Management Process								
	SE Support Process								
	Modeling & Tools								
	Specialty Engineering								

# 2007 INTERNATIONAL WORKSHOP

## General Information

**Schedule by Group:**..... pages 7–15

**Schedule by Day:** ..... pages 16–17

**Hotel Meeting Facilities Map:**..... back cover

**Meeting Rooms:** All meeting rooms are located on the lobby level with the exception of the 200 numbered Rooms which are located on the 2nd floor.

**Ad-Hoc Meetings:** The Sandia IV-V is available throughout the day, Saturday-Tuesday, for Ad-Hoc meetings. Please note that there will be NO audio visual equipment available in this room.

**Cancelled Meetings:** If you have cancelled a scheduled Meeting, please leave a message at the IW registration desk. Meeting space is limited and there are groups who may need the room.

**Messages:** Incoming messages will be received at the IW Registration Desk during meeting hours and will be posted on the message board in the conference registration area. Callers should phone +1 505 245 7100 and **ask for the INCOSE International Workshop Registration Desk**. We encourage you to check the message board regularly.

**Cyber Café:** The INCOSE International Workshop Cyber Café is located in Sierra III (located on the main level), and is equipped with PC's, printers and a copier for your convenience. This equipment is all self-service.

### Hours for the Cyber Café:

**Saturday-Monday 0700 -1900 /Tuesday 0700 -1630**

All INCOSE International Workshop participants are invited to the **Symposium Banquet**. Spouses/Partners must provide a pre-purchased ticket for these events. Please check your program for times and locations. The Banquet will take place at the Embassy Suites in Sandia IV/V.

**Breakfasts** will not be provided since they are included with your stay at the Embassy Suites. The breakfast is served in the Atrium area, 6 am to 9:30 am Monday through Friday and 7 am to 10:30 am Saturday and Sunday.

**Breaks and lunches** will be provided Saturday – Tuesday in the Ballroom Foyer. Seating will be available in Sandia IV/V or meals may be taken back to your respective meeting room.

All Plenaries will take place in Sandia IV/V.

The Closing Reception will be in La Ventana.

# TECHNICAL LEADERSHIP

## The Technical Leadership Team

The organization of the TLT is based on an identification of functional requirements, those that Grow the technical capabilities and resources of INCOSE, those that Govern the technical projects and standards, and those that Share the technical knowledge and products.

### GOVERN

Technical Director (TLT Chair, sits on the Board of Directors)  
Samantha Brown [samantha.brown@incose.org](mailto:samantha.brown@incose.org)

Deputy Technical Director  
Dick Kitterman [richard.kitterman@incose.org](mailto:richard.kitterman@incose.org)

Associate Director, Technical Review  
Erik Aslaksen [erik.aslaksen@incose.org](mailto:erik.aslaksen@incose.org)

### GROW

Head of Research & Education  
Rashmi Jain [rashmi.jain@incose.org](mailto:rashmi.jain@incose.org)

Head of Standards  
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### SHARE

Head of Technical Information  
Dick Wray [richard.wray@incose.org](mailto:richard.wray@incose.org)

Head of Technical Communications  
Rob Cloutier [robert.cloutier@incose.org](mailto:robert.cloutier@incose.org)

Technical Head of Events  
Eileen Arnold [eileen.arnold@incose.org](mailto:eileen.arnold@incose.org)

# TECHNICAL MATRIX

## The Matrix

On the cover of this booklet is a depiction of the Technical Matrix.

There are Application Sectors listed across one axis and Systems Engineering enablers along the other. The enablers are WHAT we practice and the Sectors are WHERE we practice it. So every project, activity or interest, or even a member's experience, can be expressed as a map of intersections on the matrix. This provides an ability to map all our activities in an integrated, easy to understand way.

In addition to sectors and enablers, there are cross-cut categories that can apply to any enabler and any sector. Certification, Standards and Education & Research are cross-cut categories.

The Technical Matrix explicitly recognizes that Systems Engineering has universal applications. This is represented across a broad range of Application Sectors along one axis. Each enabler and each sector has a dedicated member appointed to the rank of Assistant Director whose role it is to stay informed with the happenings and direction of their appointed areas of interest. They provide guidance to groups and activities in their areas, and communicate those activities to the broader community in order to help establish and manage a strategic view of INCOSE's technical capabilities and interests.

The rows and columns of the Technical Matrix itself are not necessarily final and we are continuing to evolve and refine the definitions, scope, and terminology used in line with feedback from our members.

The Technical Matrix is meant to be a ubiquitous means of communicating areas of interest. It can be used to identify subject matter of papers and presentations as well as to more easily identify working groups for eager members looking to become involved. For the vast majority of our members, the Technical Matrix should make our technical structure more intuitive, easier to access and easier to engage.

A description of the enablers and sectors is provided on the following pages.

# TECHNICAL MATRIX

## Enablers

*Systems Engineering Enablers are WHAT we practice.*

**Systems Science:** The theoretical foundations of systems engineering, including system concepts, systems thinking, complexity theory, system dynamics, agent-based modelling, etc. Shares emerging knowledge for improving the practice of systems engineering; and principles and guidelines for better analysis, execution of programs, uncertainty management (opportunity as well as risk), tool selection, development of systems engineering processes, etc. The assistant director for Systems Science is Brian White at [brian.white@incose.org](mailto:brian.white@incose.org)

**SE Technical Processes:** The processes constituting the core of systems engineering, providing practical and efficient ways of handling the complexity of the engineering activities throughout the lifecycle of systems, from user requirements elicitation to system retirement. The assistant director for Technical Processes is Regina Griego at [regina.griego@incose.org](mailto:regina.griego@incose.org)

**SE Management Processes:** The processes required to ensure the timely and appropriate application of the technical processes, such as configuration management, review processes, risk management, and planning. Some of these processes are variations of normal project management processes, adapted to the complex environment of systems engineering. The assistant director for Management Processes is Mark Powell at [mark.powell@incose.org](mailto:mark.powell@incose.org)

**SE Support Processes:** Processes not directly involved in developing a system, but important to the development of systems engineering itself, such as process measurement, evaluation, and improvement. Also, the documentation of this development in handbooks and guides. The assistant director for Support Processes is Jerry Fisher at [gerard.fisher@incose.org](mailto:gerard.fisher@incose.org)

**Modeling and Tools:** Models, software-based tools, and the databases required to operate them are indispensable to the cost-effective execution of the technical, management, and support processes. Their development, documentation, and interoperability, as well as the training required to use them effectively, are included here. The assistant director for Modeling and Tools is Mark Sampson at [mark.sampson@incose.org](mailto:mark.sampson@incose.org)

**Specialty Engineering:** Theories, processes, and procedures that focus on aspects of systems essential to achieving an effective product life cycle, such as reliability, availability, maintainability, supportability, constructability, environmental compatibility, human factors, safety, security, and life cycle costing and economic evaluation. The assistant director for specialty engineering is Ray Hettwer at [ray.hettwer@incose.org](mailto:ray.hettwer@incose.org)

# TECHNICAL MATRIX

## Sectors

*The Sectors are WHERE we practice.*

**Aerospace and Defence:** An industry sector comprising civil and military aircraft and space systems, weapons systems, naval platforms, military C4ISR and ground equipment and systems. The assistant director for Aerospace & Defence is Marton Forkosh at [marton.forkosh@incose.org](mailto:marton.forkosh@incose.org)

**Market-Driven Sector:** A wide industry sector comprising those industries and service organizations that do not have a readily identifiable customer. Top level requirements are derived from Voice of the Customer data and emerging/disruptive technologies. It is focused on the product and services – marketing, development, production and distribution. The assistant director for Market-Driven Sector is Jack Riley at [jack.riley@incose.org](mailto:jack.riley@incose.org)

**Emerging Technologies:** A collection of technologies in their early development stages where systems engineering will enable their transition and insertion into current and future systems to enhance capabilities and/or provide new functionality. The assistant director for Emerging Technologies is Ayman El Fatatry at [ayman.elfatatry@incose.org](mailto:ayman.elfatatry@incose.org)

**Enterprise:** The application of systems engineering to the understanding, development, or optimisation of an enterprise; that is, to two or more people applying resources through actions to achieve mutual purpose. This includes intelligent enterprises, business systems, and systems of systems. The assistant director for Enterprise is Doug Norman at [douglas.norman@incose.org](mailto:douglas.norman@incose.org)

**Information Systems:** The application of systems engineering to the acquisition, processing, management, storage, and retrieval of data, information, and knowledge. This includes data mining, knowledge management, intelligence assessment, and all types of business data management. The assistant director for Information Systems is vacant.

**Infrastructure:** An industry sector that includes the construction industry (as builders) and the utilities – power, gas, oil, water, waste, roads, and telecommunications – (as operators). It also includes manufacturing technologies as the infrastructure underpinning the manufacturing industry. The assistant director for Infrastructure is Alain Kouassi at [alain.kouassi@incose.org](mailto:alain.kouassi@incose.org)

**Public Interest:** The application of systems engineering to issues of major concern to society in general, such as natural and human-made disasters, anti-terrorism, environmental sustainability, and healthcare, where systems engineering is used as a methodology for understanding the complexity of the issue and develop conceptual approaches and solutions. This sector seeks to collaborate with organizations involved in these issues. The assistant director for Public Interest is Scott Jackson at [scott.jackson@incose.org](mailto:scott.jackson@incose.org)

**Transportation:** The application of systems engineering to the development and design of transportation equipment (cars, buses, rail carriages and locomotives, ships, etc.), the systems required to operate this equipment, and the systems which interface with it. This includes intelligent transportation systems and intermodal transport. The assistant director for Transportation is Ashok Jain at [ashok.jain@incose.org](mailto:ashok.jain@incose.org)

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Academic Council Meeting Dinesh Verma	29 - Mon	1130-1700	Invite Only	Only members of the Academic Council, Samantha, Paul, Rashmi, and Dinesh are to attend this meeting, along with special guest speakers.
	30 - Tue	0800-1200		
Anti-Terrorism International WG William Mackey	29 - Mon	0930-1700	Open	All are invited to attend. The primary topics for discussion are: 1) The INCOSE 2007 Symposium Panel Debate on "Do we have Systems Resilient to Natural Disaster Events and/or to Terrorist Attacks?" 2) The Annotated Outline of the Root Cause Analysis of Terrorist Activities. 3) The ATIWG Qualification Package 4) Other planned ATIWG activities for 2007.
Architecture Charles Dickerson	30 - Tue	0800-1630	Open	All are invited to attend. The primary topics for discussion are: 1) Morning: overview of 2006 accomplishments; and detailed presentations on major accomplishments to include: INCOSE/ AWG support of the US DoD Systems of Systems Engineering (SoSE) Guide, Status of the OMG UML Profiling of the DoDAF and MODAF (UPDM), and more. 2) Afternoon: AWG business and planning for 2007 to include the selection one or more AWG Co-chairs, consideration of the standing up of an "open subgroup" in the AWG to facilitate the publication of research on architecture-based systems engineering, and the standing up of a subgroup to support the review of architecture-related papers submitted to INCOSE for publication. 3) A WEBEX will be provided for this session.
BOD Paul Robitaille	25 - Thu	0800-1700	Invite Only	
	26 - Fri	0800-1700		
	27 - Sat	0800-1030		
	28 - Sun	1300-1700		
	31 - Wed	0800-1200		
CAB Ayman El-Fatraty	27 - Sat	0800-1030	Invite Only	Joint Meeting with BOD, Chapters, MB, TLT
	27 - Sat	1100-1500		CAB Focus Groups 1-5
	27 - Sat	1500-1800		CAB Plenary
	28 - Sun	1900-2100		CAB Dinner
CAB Focus Group Ayman El-Fatraty	28 - Sun	0800-1100	Invite Only	Focus Group & CAB Review Chair

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Certificate Advisory Group John Muehlbauer	27 - Sat	0800-1700	Meeting restricted to CAG members only.	The CAG is responsible for the policies, processes, procedures, and progress of the INCOSE SE Certification Program.
	28 - Sun	1300-1700		
	29 - Mon	0930-1700		
	30 - Tue	0800-1630		
Chapter Leadership Mike Eagan	27 - Sat	0800-1030	Invite Only	Joint Meeting with BOD, Chapters, MB, TLT
	27 - Sat	1900-2100	Invite Only	Informal Dinner with MB
	28 - Sun	0800-1100	Open	Chapters with MB
	28 - Sun	1330-1800	Open	Regional Chapters
Comm2 Christian Tulodieski	29 - Mon	1300-1500	Open	Communications Committee
	30 - Tue	0900-1200		
Commerical Steering Board David Dreyer	29 - Mon	0930-1700	Invite Only	
	30 - Tue	0800-1630		
Cost Engineering Ed Casey	27 - Sat	1300-1700	Open	All are welcome to participate in the meeting for start-up of the new Cost Engineering (CE) WG.
	29 - Mon	1300-1700		
	30 - Tue	0800-1200		
DOD Pipeline Workshop Paul Robitaille	30 - Tue	0800-1630	Invite Only	
	31 - Wed	0800-1200	Invite Only	
DOE Facilities Interest Group Phil Simpkins	29 - Mon	1500-1700	Open	Members will have a conference call on Monday to discuss activities of the workgroup. Tuesday meeting will be development of the deliverables.
	30 - Tue	1400-1600		
ERTC: Education & Research Technical Committee Rashmi Jain	28 - Sun	1300-1700	Open	Members of the ERTC will meet to discuss the education and research activities of the WGs and plan activities for the coming year.
	29 - Mon	1000-1700		
	30 - Tue	0900-1400		
Events Alain Faisandier	29 - Mon	1300-1730	Invite Only	This meeting is reserved to the Events Committee members, to the current and future Symposia Host Committees members, and to the other INCOSE Committees representatives involved in the analysis and decision of Events/ Symposia preparation and operation. The purpose is to collect and analyze data from Host Committees in order to monitor the INCOSE Events in accordance with the INCOSE strategy. The participants are sharing understanding and experiences from each others in order to improve the management of INCOSE Events and Conferences.
Fellows Bill Mackey	30 - Tue	0900-1200	Invite Only	Selection Committee
	30 - Tue	1200-1700	Invite Only	Business Meeting

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
History Project Team Jerry Lake	27 - Sat	1100-1600	Open	Organize the Prototype History Web Site work during IW and beyond. Continue presentations and discussions covering prototype web site.
	28 - Sun	0830-1600	Open	Continue presentations and discussions covering prototype web site.
	29 - Mon	0930-1450	Open	Prototype web page format discussion and photo suggestions.
	30 - Tue	0800-1350	Open	Draft layouts and material/photos for Prototype Web Pages.
Human Systems Integration WG Steven Deal	27 - Sat	1330-1730	Open	All are welcome to participate in the Human Systems Integration (HSI) WG meetings.
	28 - Sun	0830-1100 1330-1730		
	29 - Mon	0830-1200 1330-1630		
	30 - Tue	0830-1200 1300-1600		
IEWG Jack Ring	27 - Sat	0930-1200	Open	Agenda: 1) Last minute changes to IEWG Report, 2) Clarifying presence at IS07 Papers, Panels & Tutorials.
INCOSE Connect Jim Chism	29 - Mon	1600-1700	Open	Introduction to Connect for Distributed Teams
INCOSE Connect Training Jim Chism	30 - Tue	0800-0900	Open	Introduction to Connect for Distributed Teams
INCOSE Consultants' IG Dave Walden	29 - Mon	1300-1500	Open	This will be a meeting to refine the draft charter of the Consultants' IG. The group will discuss and decide the purpose and objectives of the IG.  Contact David.Walden@incose.org to be added to the INCOSE Connect workspace for this group.
	30 - Tue	1300-1500	Open	The topics for this meeting will be determined at Monday's meeting but will likely include networking and sharing of lessons learned.
INCOSE Foundation Bill Ewald	27 - Sat	1100-1700	Invite Only	Business Meeting
INCOSE Region VI Joseph Kasser	28 - Sun	1330-1800	Open	Discuss matters pertaining to the Region.
IS07 Symposium Committee Randy Ade	28 - Sun	0800-1700	Invite Only	Members of the IS'07 Symposium Committee will be reviewing and updating the IS'07 plan and status prior to presenting to IW'07 Events Committee .
	29 - Mon	0930-1200	Invite Only	

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
IS08 Symposium Committee Paul Schreinemakers	27 - Sat	1300-1800	Invite Only	This is the first of two preparation meetings for the IS2008 host committee. The general focus will be on the Technical program (Draft CfP, CfT and CfP), Marketing and Financial planning.
	28 - Sun	0800-1100	Invite Only	This is the second of two preparation meetings for the IS2008 host committee. The general focus will continue to be on the Technical program (Draft CfP, CfT and CfP), Marketing and Financial planning. Also the presentation for the Events Committee meeting will be finalized.
Information Systems WG Adrian Boyer	28 - Sun	1500-1700	Open	This is a continuation of our IW06 and ISO6 discussions. We will status our action items as well as continuing on with discussions concerning our groups terms of reference and possible work products & deliverables. All are welcome to attend.
Infrastructure Sector Alain Kouassi	28 - Sun	1200-1300	Open	You are welcome to participate in meetings pertaining to the Infrastructure Sector. This is a continuation of the ISO6 initial meetings set up to discuss charter and scope of the sector. All construction, manufacturing, energy, water, and telecommunications professionals are invited to attend.
	29 - Mon	1300-1700		
ITTS Mike Krueger	29 - Mon	0930-1200	Open	Seeking transportation (ITS & rail/transit) professionals and those who would like to cross-fertilize with the ITTSWG. ITTSWG working discussions will focus on: 1) Developing strategic plans for IS 07 & IS 08; 2) Status, plans and initial products for the following subgroups: Outreach, Communications, Product development, Value proposition, Lack of SE Resources & Competency, and Common terminology and life cycle processes for the transportation community.
	30 - Tue	0800-1200		
Latin American and Caribbean Initiative Richard Kitterman	30 - Tues	1300-1500	Open	This is a continuation of the meetings to understand SE practices, direction and needs in LA & C to determine how INCOSE can best bring value to that area. Anyone with an interest is welcome to attend.
Lean Systems Engineering Bo Oppenheim	28 - Sun	1300-1700	Open	1) Introduce a novel "Virtual Interview" survey approach to a study of SE Practices, present draft questions, ask for volunteers. 2) Discuss the immediate, intermediate and ultimate goals of the WG.

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Market-Driven Products Jack Riley	27 - Sat	1000-1200	Open	This will be a continuation of the ISO6 initial meeting to determining charter and scope of committee.
	28 - Sun	1300-1500	Open	Defining products
	29 - Mon	1300-1500	Open	Continuation if needed
	30 - Tue	1000-1200	Open	Preparing charts for closing.
MBSE Workshop Regina Griego	25 - Thu	0800-1700	Open with Prior Registration On-sites Accepted	<p>The goals for the workshop are to provide a forum for:</p> <ul style="list-style-type: none"> <li>• Review the INCOSE MBSE Vision 2020</li> <li>• Practitioners, educators and researchers to share strategies for making the MBSE Vision a reality.</li> <li>• Identify enhancements to the vision</li> <li>• Determine attributes that users need from MBSE tools to address different system life-cycle stages and system level views.</li> <li>• Discuss requirements for the enabling technology infrastructures to support MBSE</li> <li>• Refine actions that INCOSE can take to achieve the vision</li> </ul>
	26 - Fri	0800-1700		
Measurement WG Chris Miller	28 - Sun	1300-1700	Open	<p>The purpose of the Measurement WG is to promote shared understanding and advancement of systems engineering measures, measurement practices, measurement tools/support, and the overall measurement process. All sessions of the Measurement WG welcome INCOSE member participation.</p> <p>At the 2007 IW, the Measurement WG will discuss:</p> <ul style="list-style-type: none"> <li>• LAI SE Leading Indicators project</li> <li>• COSYSMO WG status</li> <li>• VoSE/SE ROI initiatives overviews</li> <li>• Measurement WG strategy &amp; planning session (to include updating existing products and snading up the Measurement WG Connect website)</li> </ul>
	29 - Mon	0930-1700		
	30 - Tue	0800-1630		
Member Board Bruce Shelton	27 - Sat	0800-1030	Invite Only	Joint Meeting with BOD, Chapters, MB, TLT
	27 - Sat	1030-1700	Open	Regular meeting of the MB. Installation of new MB representative.
	27 - Sat	1900-2100	Invite Only	MB Dinner. Allows further interaction of MB reps and guests.
	28 - Sun	0800-1100	Open	Chapters with MB.
	29 - Mon	1300-1700	Open	

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Model Driven Systems Design (MDSD) David Oliver	27 - Sat	0800-1700	Open	The meetings will include review of the AP233 Committee Draft, review of the Semantic Dictionary and Model, in cooperation with other INCOSE groups and the SysML team the generation of a plan to verify AP233, discussion of modeling among MDSD, Architecture-WG, Enterprise-WG, and others interested in modeling and the standards that support them.
	28 - Sun	0800-1700		
	29 - Mon	0930-1700		
	30 - Tue	0800-1630		
Net-Centric Operations John Hsu	29 - Mon	1300-1700	Open	Working Group business meeting
Nominations & Elections Committee Susan Jones	29 - Mon	1000-1200	Invite Only	
Region IV Chapter Presidents Dan Surber	28 - Sun	1400-1600	Open	We will discuss what went well, and not so well from last year, and use lessons learned to improve on 2007.
Requirements Working Group Lily Birmingham	28 - Sun	1300-1800	Open	We will focus on our Requirements Best Practice tool REGAL & solicit other requirement techniques. We are collecting best practices & will review all collected items. <b>Sunday:</b> <ul style="list-style-type: none"> <li>• RWG overview and plan for 2007</li> <li>• Status of RAFT</li> <li>• Status of REGAL</li> <li>• Attendees try out RWG website and REGAL website for 30 minutes</li> <li>• Discussion of website improvement</li> <li>• Group dinner</li> </ul> <b>Monday</b> <ul style="list-style-type: none"> <li>• Review of requirements best practices submitted for REGAL</li> <li>• Finalize approved best practices for entering into REGAL</li> <li>• Discussion of Regal improvement</li> <li>• Review RWG metrics, assign action items and schedule meetings/telecons for 2007</li> </ul>
	29 - Mon	0930-1700		
Resilient Systems WG Scott Jackson	28 - Sun	1300-1700	Open	This is a kick-off meeting for the group. There will be a discussion of how systems, such as space, nuclear power and commercial aircraft, can be resilient to catastrophes and to recover from them. It will begin with a brief presentation pertaining to the Resilience Engineering symposium in France in November and how the RSWG can play a role in the international Resilience Engineering Network. A key objective is to decide what our products are and to solicit future leadership.

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Risk Management Mark Powell	27 - Sat	1300-1400	Open	Discuss IS 07 Panel, Leadership changes and SE Handbook review.
	28 - Sun	1600-1700		
	30 - Tue	0900-1100		
Service Academies Meeting Dinesh Verma	29 - Mon	1000-1130	Invite Only	This meeting is being attended by members of the Service Academies, Dr. Kays, Dr. Sage, Paul R., Dinesh, and Rashmi
SE Management Michael Uchino	28 - Sun	1300-1630	Open	There will be an open discussion on technical reviews, technical baselines, and sustainment related systems engineering issues. Will also update the action items from last year's workshop.
	29 - Mon	0930-1200		
SE Return on Investment (SE-ROI) Eric Honour	30 - Tue	1300-1600	Open	Several parallel research efforts are continuing to measure the ROI of SE through survey or interview methods. This meeting will coordinate information and plans from the different efforts, and provide an opportunity for newcomers to contribute to the research while gaining the benefits of early knowledge of the results.
SE Vision Ayman El-Fatraty	28 - Sun	1300-1900	Invite Only	A meeting of the SE Vision working group to assess status of document, commentary and revise plans accordingly
SE Vision Adjudication Ayman El-Fatraty	29 - Mon	0930-1700	Invite Only	A meeting aimed at adjudicating the contents of the INCOSE SE Vision document with representatives of other professional organisations and stakeholders with interests in systems engineering.
Security Engineering John Wirsbinski	27 - Sat	1000-1700	Open	All are welcome to participate in the meeting for start-up of the new Systems Security Engineering (SSE) WG.
	29 - Mon	1300-1700		
	30 - Tue	0800-1200		
Seraswati Project Joseph Kasser	30 - Tue	0800-1200	Open	The purpose of the Seraswati Project is to use a systems engineering approach to write an introductory book on systems engineering, develop the accompanying courseware (lecture slides, software (if any), notes and lesson plans for problem based learning activities) for both classroom and online delivery and prototype the material in regular and short courses before submitting the final version for publication. The material to be developed is the system, and this meeting will discuss the requirements for the system.

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Space Systems Dennis Rohn	29 - Mon	0930-1200	Open	We will work to define specific products that the working group can generate, including consideration of <i>INSIGHT</i> magazine articles and/or a track for the 2008 Symposium. We will also define specific activities to be accomplished in 2007.
	30 - Tue	0800-1200		
Specialty Engineering Ray Hettwer	28 - Sun	1400-1700	Open	All are welcome to participate in WG meetings for the Specialty Engineering Enabler area. H95Agenda topics will include review and update of the near and long-term roadmap plans for this area that were developed at IW06, status of current WG operations and identification of any issues and support needs, identification of need and interest in starting additional WGs with Specialty Engineering Enabler sponsorship, call for participation in the NDIA Systems Assurance Guidebook development, and succession planning for the lead of this enabler area.
	29 - Mon	0930-1200		
	30 - Tue	1300-1600		
SSEG Brian White	29 - Mon	0930-1200	Open	Routine Systems Science Enable Group meeting. Agenda will include discussions of complex theory, complex systems, SoS, Enterprises, and how systems science can inform better practices of systems engineering. Focus will be on developing short essays for INCOSE <i>INSIGHT</i> , particularly proposing candidate essays for the planned Fall 2007 Systems Science theme issue. Another possibility is planning for a potential SSEG-generated chapter on complex systems engineering for the next version of INCOSE's Systems Engineering Handbook.
	30 - Tue	0800-1200		
Standards Committee James Martin	28 - Sun	1300-1700	Open	Standards Committee is meeting to review status and plans of all SE-related standards. Specifically we will be discussing the following topics. Revision of several standards that are in the process of being revised: ISO/IEC 15288, EIA 632, and AIAA G-043. Development of ISO/IEC 15504 Part 6 for capability evaluation of SE process. Development of standards on system architecture and SE terminology. Development of UML Profile for DODAF and MODAF. Enterprise architecture standards. Review of draft of ISO 10303 AP233 and semantic models.
	29 - Mon	0930-1700		
	30 - Tue	0800-1600		

# SCHEDULE BY GROUP

Group Name Contact	Day	Time	Open/ Invite Only	Meeting Description
Technical Leadership Samantha Brown	27 - Sat	0800-1030	TLT & other leadership bodies only	Joint Meeting with BOD, Chapters, MB, TLT
	27 - Sat	1030-1800	TLT only	Main Working Meeting of TLT.
	27 - Sat	1900-2100	TLT and invitees	TLT Dinner - venue tbd
	28 - Sun	0800-1100	TLT only	Main Working Meeting of TLT (continued).
	28 - Sun	1300-1800	TLT & IS07 host committee	IS07 Technical Program Development
	30 - Tue	1200-1300	TLT	TLT Working Lunch - IS07 Review
Tool Integration & Interoperability WG John Nallon	28 - Sun	0830-1700	Open	Review of previous charter and plans, stauts of AP-233 and SysML standards. Discussion on new directions and products.
	29 - Mon	0930-1700		Review of previous work products, TIHWG Volumes and planning for completion.
	30 - Tue	0830-1630		Prepare 2007 plans and actions, report for IW2007. Schedule for webex meetings and IS2007.
Transportation Sector & Joint Commercial Air Transportation WG Ashok Jain	28 - Sun	1200-1300	Open	Anybody interested in participating in Transportation Sector or working on the restart of revising the "Guidebook for Deploying SE on Commercial Transportation System" should plan to come and join the discussions.
	30 - Tue	0900-1000		
Verification & Validation WG Peter Swan	28 - Sun	1300-1500	Open	Main Working Group Meeting.
	29 - Mon	1300-1500		Subgroup Meeting (probably terminology).
	30 - Tue	0800-0900		Leadership Team to prepare closing charts.
Ways and Means Joe Elm	29 - Mon	0930-1200	Invite Only	Ways & Means Committee to review updated policies, roster, position descriptions, and organization charts.

Notes:

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# SCHEDULE BY DAY

## Saturday, 27 January

CAB/BoD/CH/MB/TLT	Sandia IV/V	0800-1030
CAG	Suite 231	0800-1700
MDSO	Sandia II	0800-1700
IEWG	Sage	0930-1200
Market-Driven Products	Rm 229	1000-1200
Security Engineering	Suite 233	1000-1700
Member Board	Ocotillo II	1030-1700
TLT	Sierra II	1030-1800
CAB Focus 1	Ocotillo I	1100-1500
CAB Focus 2 CAB Focus 3	Sandia III Sandia VI	1100-1500 1100-1500
CAB Focus 4 CAB Focus 5	Sandia VII Sandia VIII	1100-1500 1100-1500
INCOSE History	Pinon	1100-1600
INCOSE Foundation	Suite 209	1100-1700
Lunch	Foyer	1200-1300
Risk Management	Sandia I	1300-1400
Cost Engineering	La Ventana	1300-1700
ISO8 Symposium	Agave	1300-1800
Human System Integration	Sierra I	1330-1730
CAB Plenary	Sandia V	1500-1800
TLT Dinner	Off-site	1900-2100
MB/Chapter Dinner	Off-site	1900-2100

### Meeting Rooms:

All meeting rooms are located on the lobby level with the exception of the 200 numbered Rooms which are located on the 2nd floor.

### Room Assignment Changes:

Please check Message Board near IW Registration Desk for possible room changes.

### Cancelled & Ad Hoc Meetings:

If you have cancelled a meeting or want to arrange a meeting, please let the IW Registration Desk know. Meeting space is limited and other groups may need meeting space.

## Sunday, 28 January

CAB Focus Grp	Sage	0800-1100
ISO8 Symp	Agave	0800-1100
Member Board / Chapters	Ocotillo II	0800-1100
MDSO	Sandia II	0800-1700
TLT	Sierra II	0800-1800
INCOSE History	Pinon	0830-1600
Tool Integration	Rm 234	0830-1700
Human System Integration	Sierra I	0830-1730
ISO7 Symp	Ocotillo I	0930-1700
Opening Plenary/ Lunch	Sandia IV/V	1100-1300
Infrastructure Sector	Sandia III	1200-1300
Lunch	Foyer	1200-1300
Transportation	Sandia VI	1200-1300
Market-Driven Products	Rm 229	1300-1500
V&V	Sandia I	1300-1500
SE Management	Rm 230	1300-1630
BoD	Suite 209	1300-1700
CAG	Suite 231	1300-1700
Education & Research	Sandia VII	1300-1700
Lean Systems Engineering	Sandia VIII	1300-1700
Measurement	Rm 228	1300-1700
Requirements	Suite 210	1300-1700
Resilient Systems	Agave	1300-1700
Standards	La Ventana	1300-1700
SE Vision	Sandia III	1300-1900
Region VI	Ocotillo II	1330-1800
Regional Chapter	Ocotillo II	1330-1800
Region IV Chapters	La Ventana	1400-1600
Specialty Engineering	Suite 233	1400-1700
Information Systems	Sage	1500-1700
Risk Management	Sandia I	1600-1700
CAB Dinner	Off-site	1900-2100

# SCHEDULE BY DAY

## Monday, 29 January

BoD Plenary	Sandia IV/V	0800-0930
IS07 Symp	Ocotillo I	0930-1200
ITTS	Sierra II	0930-1200
SE Management	Rm 230	0930-1200
Space Systems	Ocotillo II	0930-1200
Specialty Engineering	Suite 233	0930-1200
SSEG	Sandia III	0930-1200
Ways & Means	Suite 209	0930-1200
INCOSE History	Pinon	0930-1450
Human System Integration	Sierra I	0930-1630
Anti-Terrorism Intl	Agave	0930-1700
CAG	Suite 231	0930-1700
CSB	Sandia VIII	0930-1700
MDSD	Sandia II	0930-1700
Measurement	Rm 228	0930-1700
Requirements	Suite 210	0930-1700
SE Visions	Sandia VI	0930-1700
Standards	La Ventana	0930-1700
Tool Integration	Rm 234	0930-1700
Service Academies	Sage	1000-1130
Market-Driven Products	Rm 229	1000-1200
Nomination/Election	Sandia I	1000-1200
Education & Research	Sandia VII	1000-1700
Academic Council	Sage	1130-1700
Lunch	Foyer	1200-1300
Comm2	Rm 230	1300-1500
INCOSE Consultants	Suite 209	1300-1500
V&V	Sandia I	1300-1500
Cost Engineering	La Ventana	1300-1700
Events	Ocotillo I	1300-1700
Infrastructure Sector	Sandia III	1300-1700
Member Board	Ocotillo II	1300-1700
Net-Centric Ops	Sierra II	1300-1700
Security Engineering	Suite 233	1300-1700
DOE Facilities	Pinon	1500-1700
INCOSE Connect	Sandia I	1600-1700
Banquet	Sandia IV/V	1900-2100

## Tuesday, 30 January

INCOSE Connect	Ocotillo II	0800-0900
V&V	Sandia VI	0800-0900
Academic Council	Sage	0800-1200
Cost Engineering	La Ventana	0800-1200
ITTS	Sierra II	0800-1200
Security Engineering	Suite 233	0800-1200
Seraswati	Agave	0800-1200
SSEG	Sandia III	0800-1200
INCOSE History	Pinon	0800-1350
Standards	La Ventana	0800-1600
Architecture	Sandia I	0800-1630
CAG	Suite 231	0800-1630
CSB	Sandia VIII	0800-1630
MDSD	Sandia II	0800-1630
Measurement	Rm 228	0800-1630
Human System Integration	Sierra I	0830-1600
Tool Integration	Rm 234	0830-1630
Transportation	Suite 210	0900-1000
Risk Management	Suite 209	0900-1100
Comm2	Rm 230	0900-1200
Education & Research	Sandia VII	0900-1400
Fellows	Sandia VI	0900-1700
Space Systems	Ocotillo II	0930-1200
Market-Driven Products	Rm 229	1000-1200
Lunch	Foyer	1200-1300
TLT Lunch	Sierra II	1200-1300
INCOSE Consultants	Suite 209	1300-1500
Latin Am/Caribbean	Sandia III	1300-1500
SE-ROI	Suite 210	1300-1600
Specialty Engineering	Suite 233	1300-1600
DOE Facilities	Pinon	1400-1600
Closing Plenary	Sandia IV/V	1630-1800
Closing Reception	La Ventana	1800-1900

# Meeting Facilities Map



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