



INCOSE OUTREACH

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Co-Chair

Tools Integration and Interoperability Working Group
Modeling and Tools Technical Committee

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INCOSE OUTREACH Topics of Discussion

INCOSE Board of Directors

INCOSE Technical Board

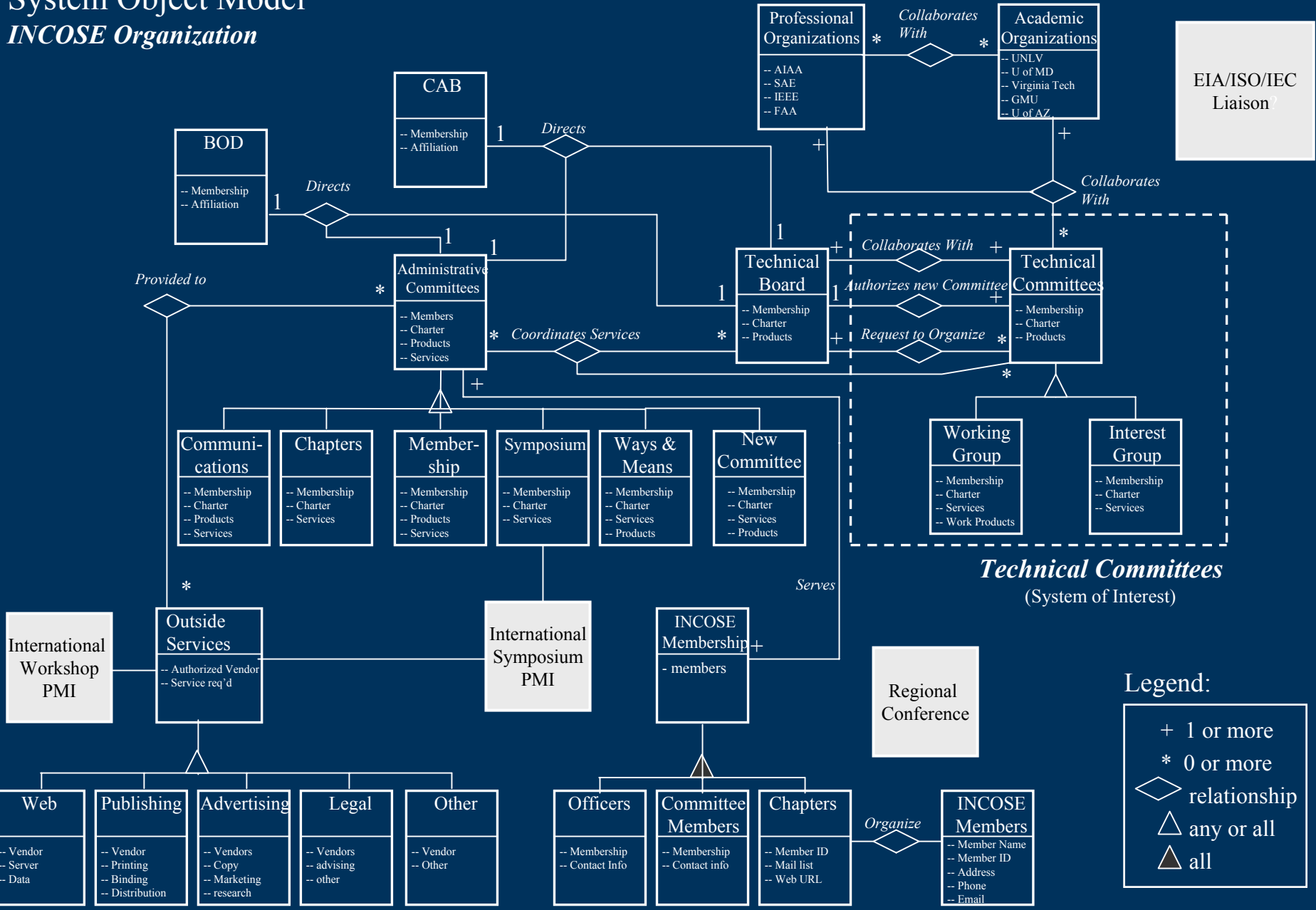
INCOSE Corporate Advisory Board and Initiatives



Organization Model

System Object Model

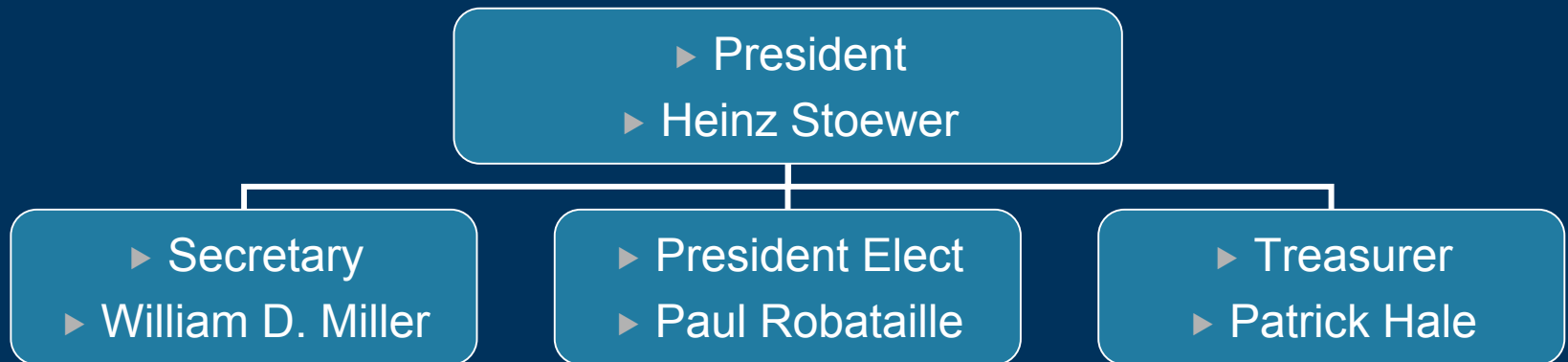
INCOSE Organization



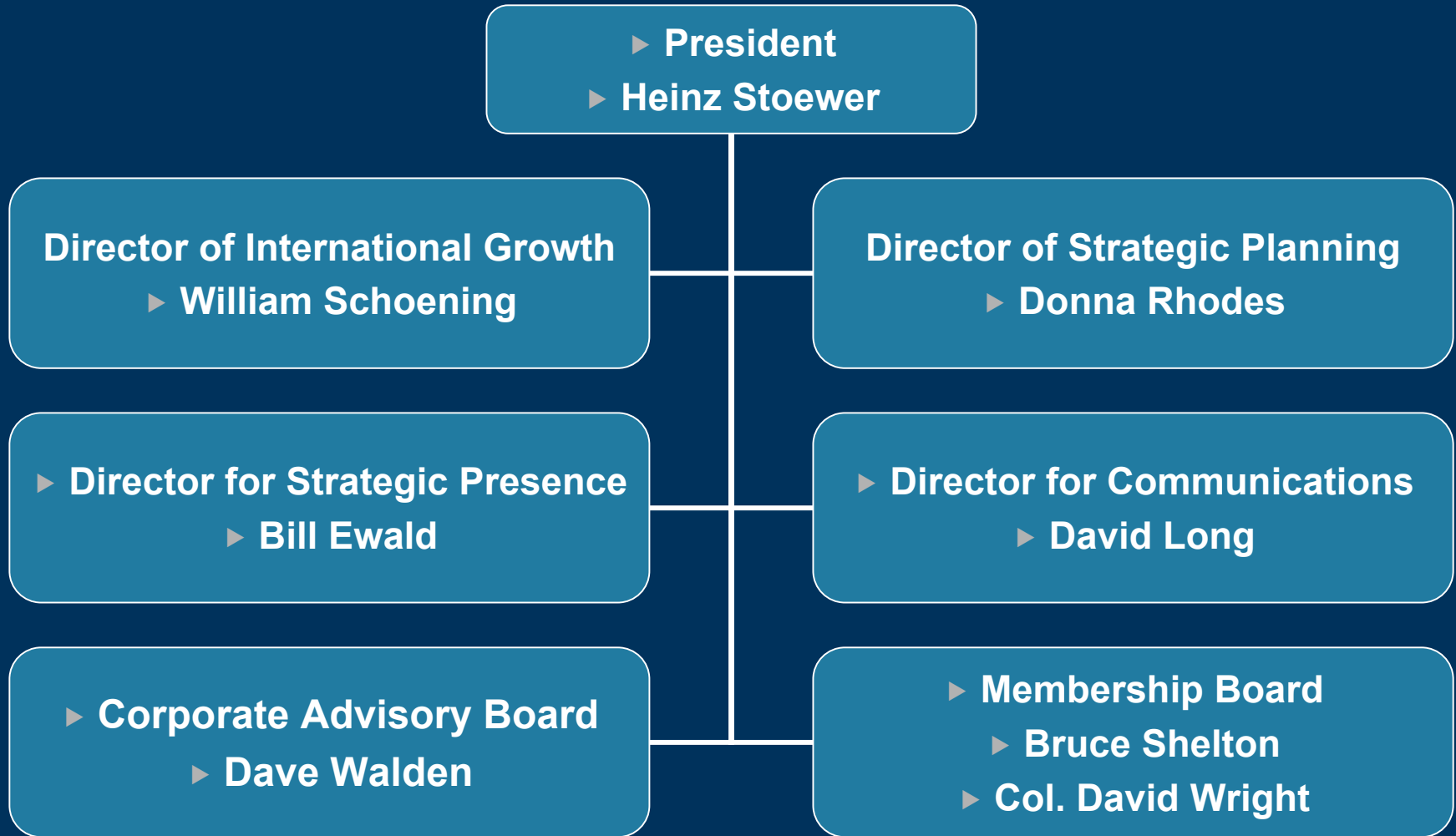


Board of Directors

INCOSE Board of Directors



INCOSE Board of Directors

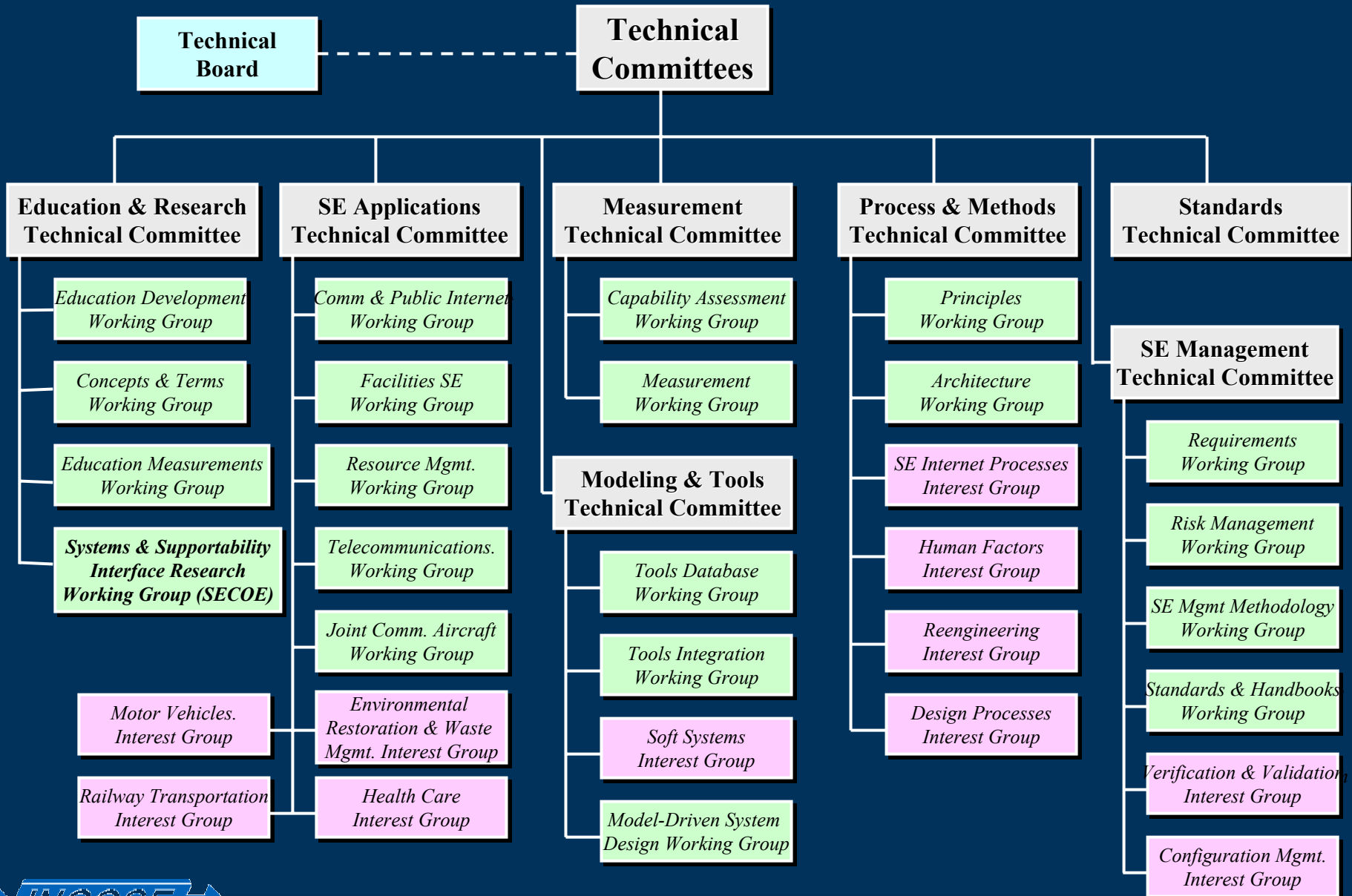




Technical Board Committees and Working Groups

Technical Committees

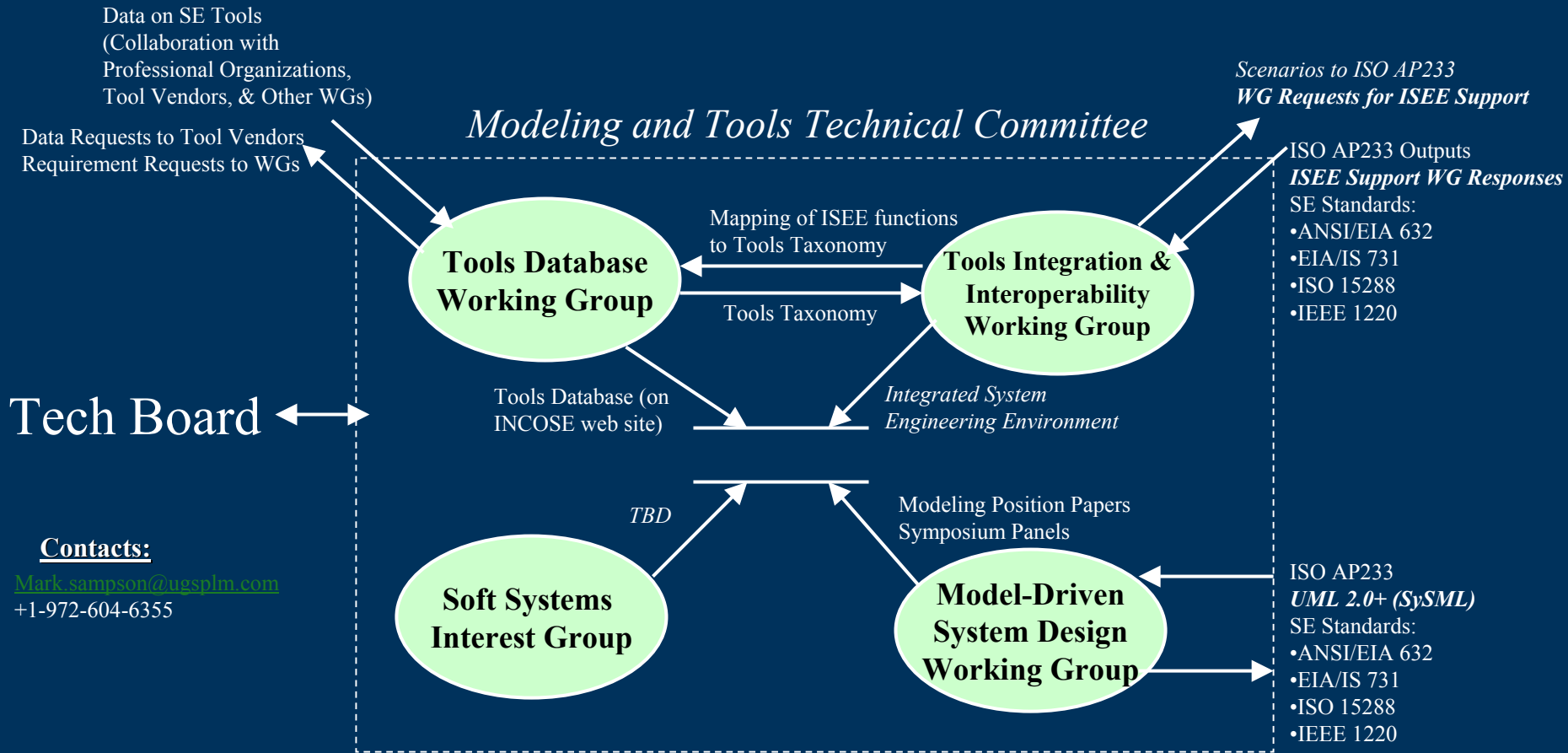
Hierarchy Diagram





Technical Board Modeling & Tools Technical Committee

Modeling & Tools Technical Committee



Advance the state of the practice of Systems Engineering through the use of tools and models.



Corporate Advisory Board

INCOSE Corporate Advisory Board

- ▶ The mission of the Corporate Advisory Board (CAB) is to be the **"Voice of the Corporate Customer"** for INCOSE. The CAB is the collection of organizations, which have satisfied the requirements of CAB membership as stated in the INCOSE Bylaws, and who espouse Systems Engineering, and employ Systems Engineers.
- ▶ As such, the CAB shall:
 - a. Provide **guidance** on overall INCOSE **direction, focus, and priorities** to the Board of Directors and Technical Board.
 - b. Provide a **conduit** between INCOSE and the CAB member organizations **for information exchange**.
 - c. **Encourage** the CAB member employees to **support** INCOSE activities.

CAB Company Members

Boeing	195
C.S. Draper Laboratory, Inc.	2
Center for SE -AFIT (U.S. Air Force)	18
Delphi Corporation	6
EADS	33
UGS PLM Solutions	16
Federal Aviation Administration	19
General Dynamics	65
Honeywell International	19
Idaho National Engineering & Env. Lab	8
Israel Aircraft Industries	7
Japan Aerospace Exploration Agency	1
Jet Propulsion Laboratory	22
Lockheed Martin Corporation	220
Mitsubishi Electric Corporation	1
Motorola	7

CAB Company Members (Cont.)

NASA	5	
National Security Agency	1	
Navy (U.S.)	58	
Northrop Grumman	231	
QinetiQ	28	
Raytheon	267	
Rockwell Collins, Inc.	35	
Rolls-Royce Corporation	9	
SAIC	111	
Software Productivity Consortium	9	
Telelogic AB	17	
Thales	34	
United Technologies Corporation	14	
Vitech Corporation		7
Xerox Corporation		12
Total:	1626	

CAB Member Company Employees by Chapter

Washington Metro Area	264	Germany	19
Los Angeles	209	Southern Maryland	16
United Kingdom	109	Texas Gulf Coast	14
New England	82	Detroit/Tri-State	13
Southern Arizona	74	Inland Empire	10
Chesapeake	72	Israel	9
North Texas	70	Liberty	9
North Star	67	The Netherlands	8
Seattle Metro	49	Snake River	7
San Diego	45	Wasatch	6
Colorado Front Range	44	SOC - Canada	4
Huntsville	37	Vancouver	3
Crossroads	36	Korea	2
Heartland	33	Tri-Cities	2
SF Bay Area	33	Central Savannah RA	1
Delaware Valley	32	South Africa	1
Midwest Gateway	29	Sweden	1
AFIS	28	Central Arkansas	
Space Coast	28	FINSE	
Central Virginia	26	NORSEC	
Orlando	25	Silver State	
Central Arizona	24	Taiwan	
Central Florida	21		
Finger Lakes	20		
Hampton Roads	20		



Corporate Advisory Board

Top 5 Initiatives for 2004

#1 2004 CAB Initiative – INCOSE Products

1. **Classification and Dissemination of all Existing INCOSE Products.**
 - **Tech Board to Establish “Product Area” on existing INCOSE website**
 - **Gather existing Technical Committee Products and populate website (underway)**
 - **Permit more than one person to have maintenance access to the INCOSE website to keep data current**
 - **Provide product CD to members as part of 2004-2005 membership renewal**
 - **Optimize schema for members to gain quick access to all products on the INCOSE Web Site**

#2 2004 CAB Initiatives - SEBOK

Implementation of the SE Body of Knowledge

- ▶ **Develop and Operate a Guide to the SE Body of Knowledge**
 - CAB organizations to provide resources to staff effort
 - CAB organizations to provide assets to populate SEBoK
 - CAB and Tech Board to help review effort
- **Web/ISP Supplier has been identified and selected**
- **G2SEBOK has been “prototyped” and reviewed**

#3 2004 CAB Initiative – Technical Vision

INCOSE Technical Vision.

- The Technical Vision Workshop (IW2004) Report is now available in the Members' Area of the INCOSE website.
- Efforts are underway to integrate the INCOSE Perspectives and technical vision into a condensed, unified document.
- A draft will be presented at the 2004 International Symposium and provided to members for review and comment.
- As the document matures, INCOSE expects to share the material with other professional groups to gain their endorsement of the systems engineering technical vision.
- The final draft of INCOSE's Technical Vision 2020 is anticipated by the 2005 International Workshop.

#4 2004 CAB Initiative – the SE Handbook

- ▶ **Current SE Handbook**
 - ▶ **Version 2a of the SE Handbook remains on schedule for release at the 2004 International Symposium.**
 - ▶ **Reduced redundancy, improved consistency, and DoD specific terminology has been removed where possible.**
 - ▶ **The Tech Board is currently working to incorporate feedback received from members and working groups during the review cycle. The resulting document will serve as INCOSE's interim handbook until version 3 is released.**

#4 2004 CAB Initiative – SE Handbook

SE Handbook V3

- ▶ **The TPP for SE Handbook Version 3 is complete.**
- ▶ **Inputs from the BoD, the TB, the MB, and the CAB have been incorporated into the requirements.**
- ▶ **The steering group is currently developing an annotated outline for review and approval before authors begin work on the individual sections.**
- ▶ **The objective is to have the Technical Board draft ready by the 2005 International Workshop with release at the 2005 International Symposium in Rochester, New York.**

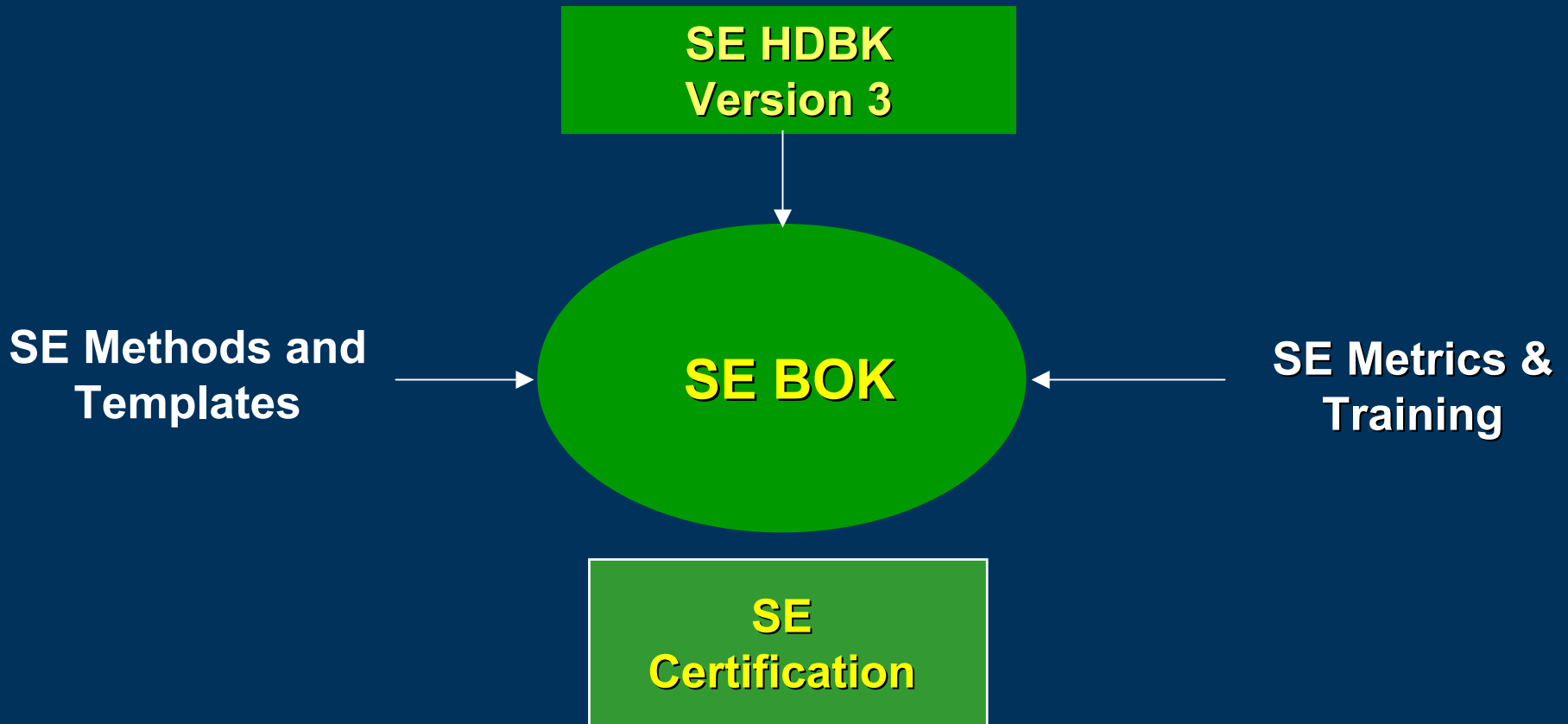
#5 2004 CAB Initiative – SE Certification

SE Certification Project Phase 2

- Status and details provided by your next speaker

Mr. Ken Kepchar

Integrated INCOSE Product Suite



SE Handbook V3.0, Sets the Reference Framework on which INCOSE Builds An Integrated Product Suite, Delivered in the SE BOK

INCOSE Teams Collaborate

- ▶ **CAB, MB & TB Chairs - Review Initiative TPP's in detail at IW to achieve concurrence on Objective(s) approach, ground rules, schedule, monthly performance measures and resource needs and present to the BoD for Endorsement**
- ▶ **CAB, MB or TB Identify Lead Board, By- Name Project Leader and Stakeholder Representatives from Each Body for Each Initiative**
- ▶ **Lead /Stakeholder Representative Brief Respective Board on Approved Plans and Resource Needs**
- ▶ **CAB Members Contact their Member Employees and Encourage Participation on Top 5 Projects**
- ▶ **Leads/Stakeholder Representatives Meet at Least Monthly to Assess Status, Performance Measures, Resolve Issues & Issue Monthly Summary Status for Dissemination to BOD/CAB/MB/TB Members**

INCOSE 2004 Operational Model Focus on Quality and Teamwork

- **Integrated INCOSE Product Suite That Adds Value!**
 - **User Community is Confused by Current State of SE**
 - **They do not need *Yet Another Opinion***
 - **They do need Accuracy, Clarity, Coherency and Usability**
- **INCOSE Product Teams Recognize and Accept there are Multiple Customers and Stakeholders for INCOSE Products**
- **The BoD, CAB, MB and TB Collaborate and Agree on Objectives, Approach and Execution Plans for INCOSE Projects and are Working Together to Make Them Happen!**



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