



2024

Annual **INCOSE**
international workshop

HYBRID EVENT

Torrance, CA, USA

January 27 - 30, 2024

INCOSE Systems Engineering Laboratory (SE Lab) Update

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www.incose.org/IW2024



SE Lab Vision



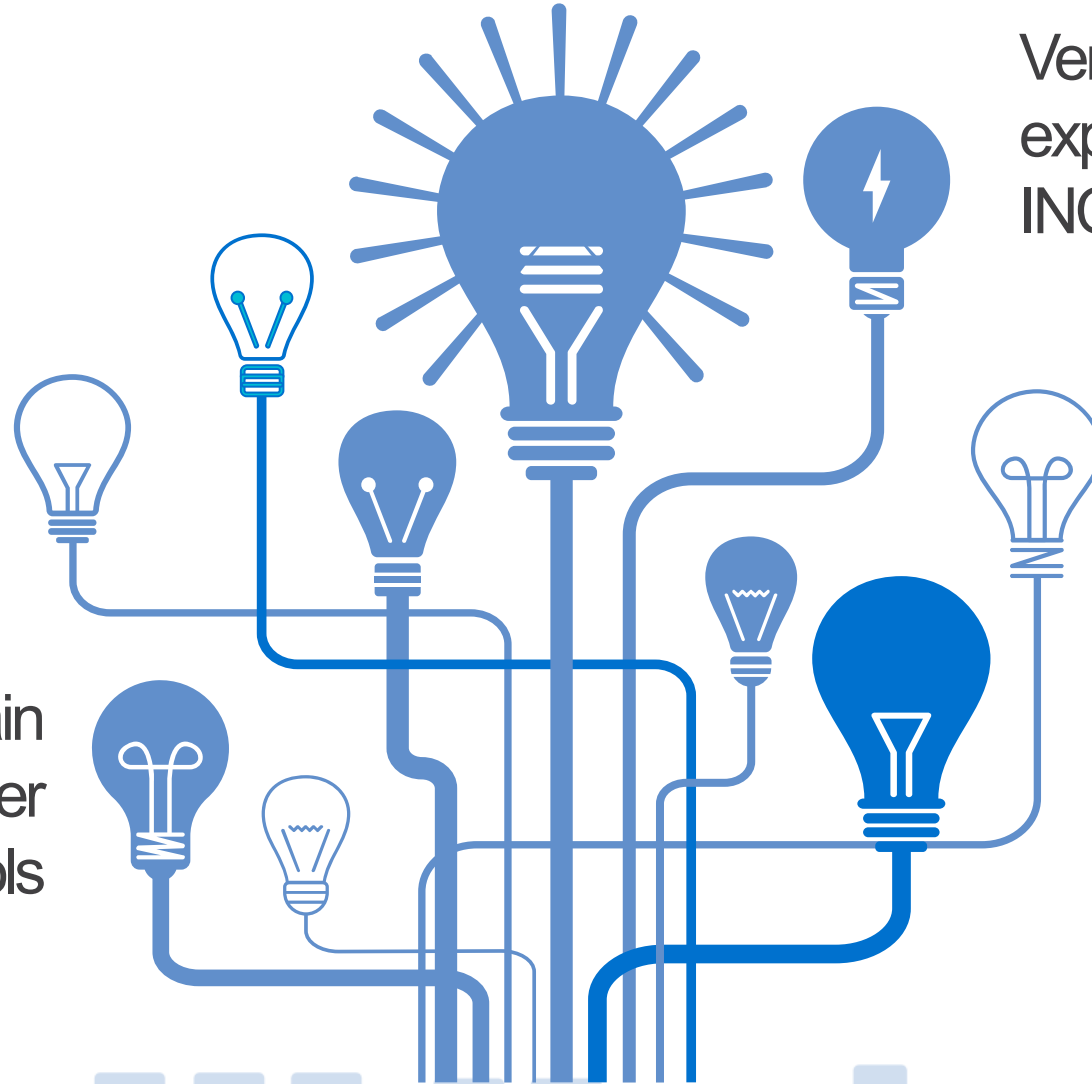
- INCOSE members use real, full versions of SE tools for non-commercial purposes
- Vendors gain exposure for products and promotional consideration for contribution



Value Proposition

Working Groups can collaborate then publish using models

Members gain exposure to a wider set of tools



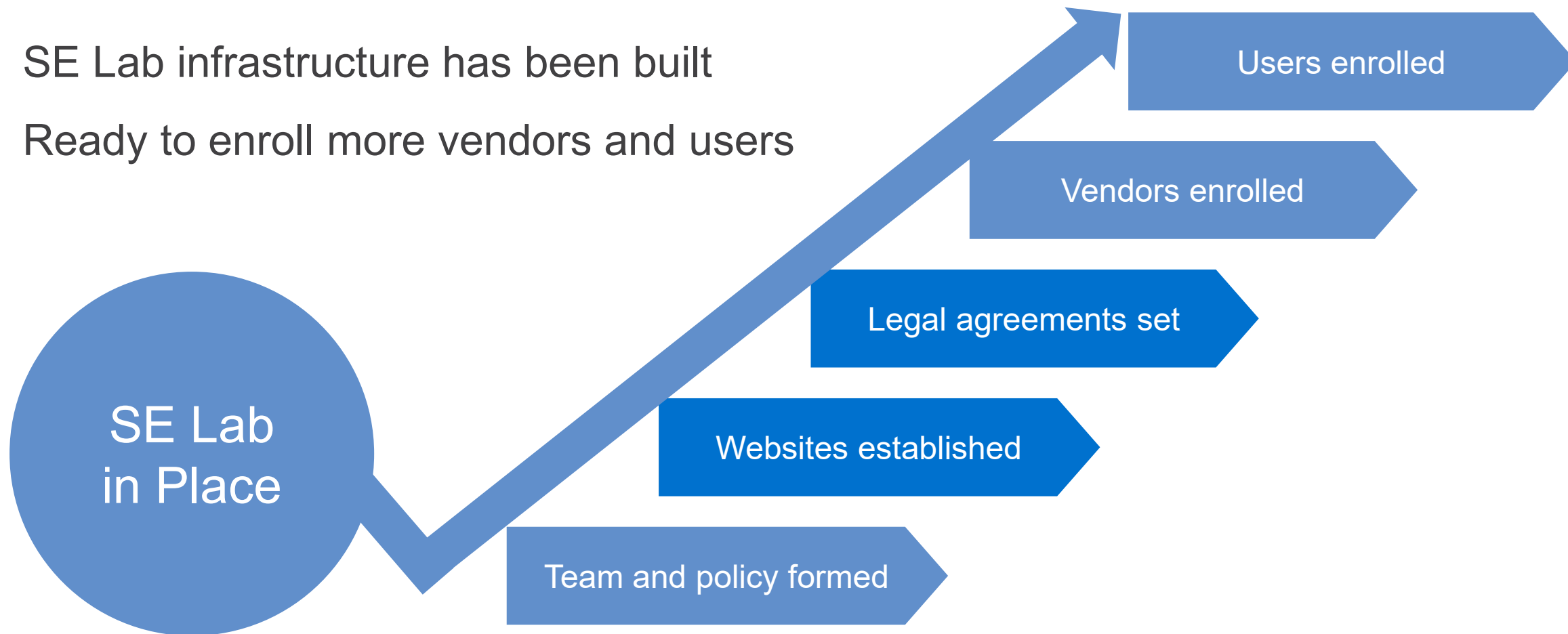
Vendors gain exposure to INCOSE members

MBSE adoption accelerated



Current Status

SE Lab infrastructure has been built
Ready to enroll more vendors and users





Team and Policy Formed (1)



SE Lab team established with monthly cadence

Teams and Yammer collaboration mechanisms established

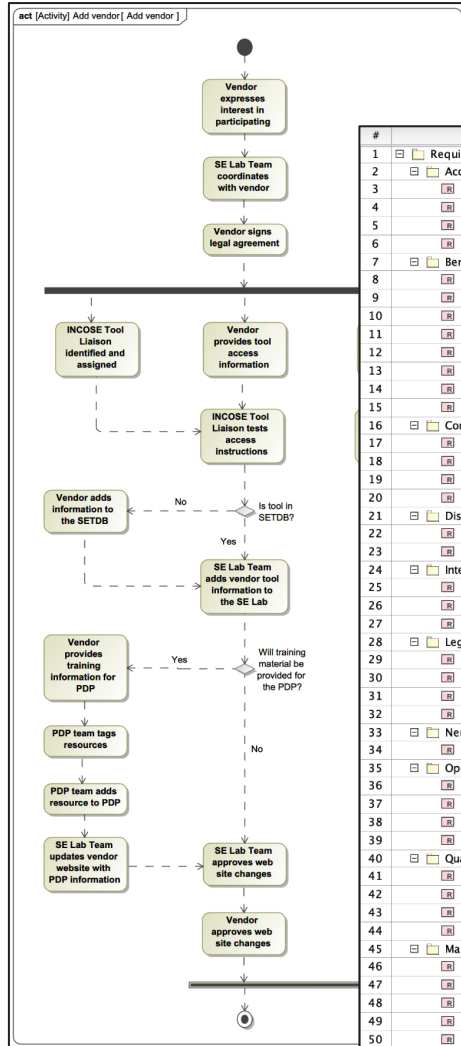
SE Tools Database (SETDB) integration established

Service Operations (ServOps) Plan formally approved

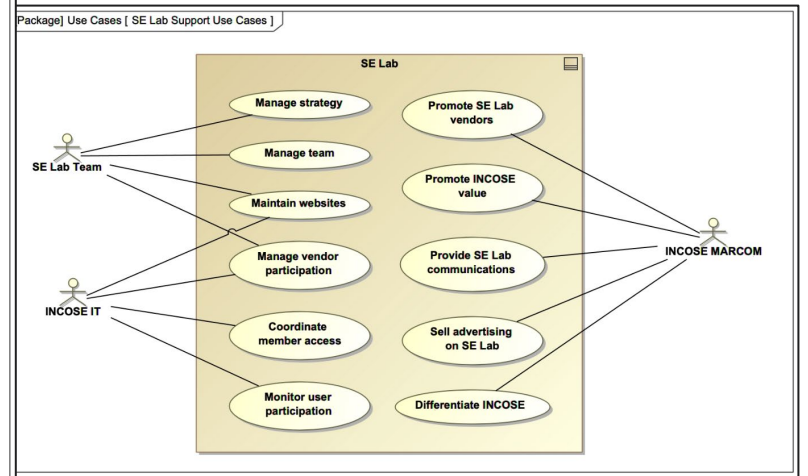
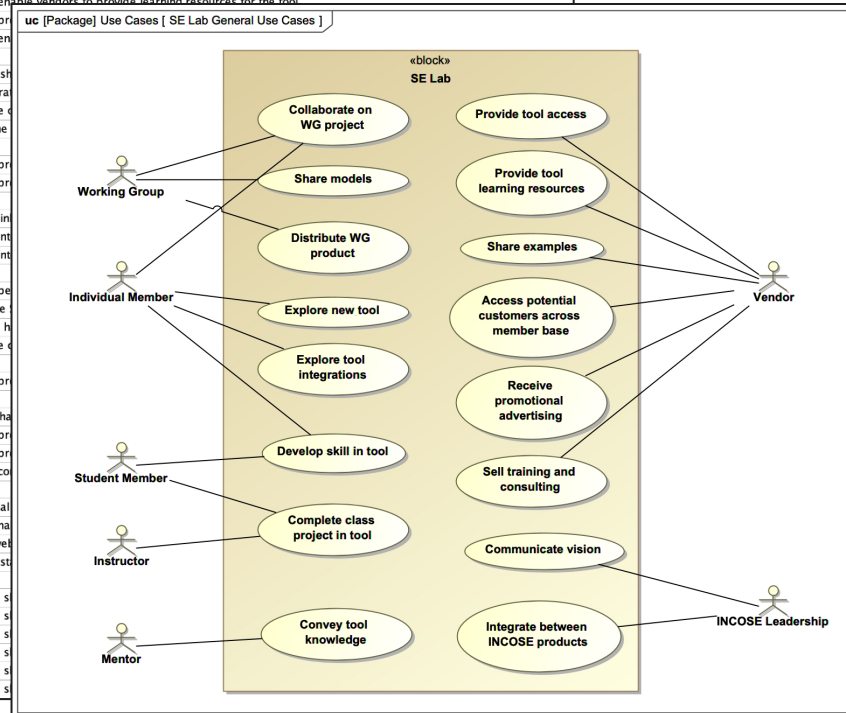


Team and Policy Formed (2)

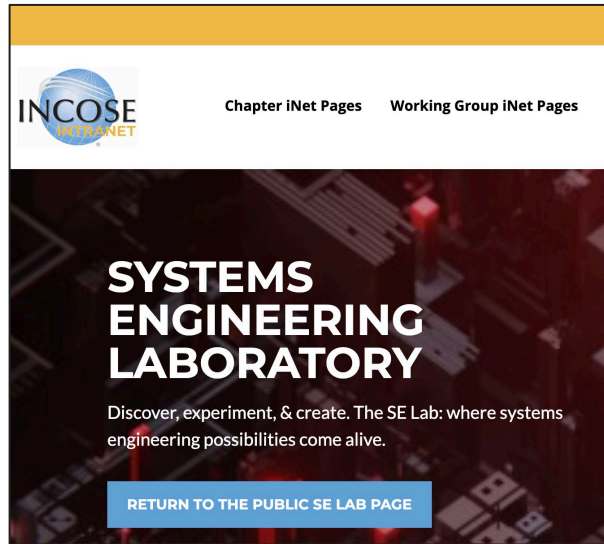
Use cases, requirements, flows are captured in a model, validated with team, included in ServOps Plan, approved by Services Director



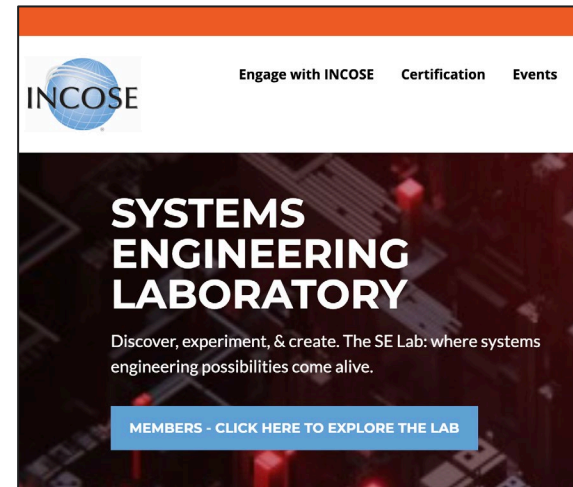
#	Name	Text
1	Requirements	
2	Access	
3	39 User Access	INCOS E individual members shall be able to access the tools in the SE Lab. INCOS E student members are considered INCOS E i
4	40 Vendor Access	Vendors shall be able to participate in the SE Lab.
5	41 User Access Timeliness	For tools requiring vendor approval of user access, access shall be granted within one week of user request.
6	42 INCOS E Membership	Only INCOS E full members shall be granted access to the SE Lab.
7	Benefits	
8	43 Advertising Sales	The SE Lab shall offer a mechanism to sell advertising.
9	44 Promotional Benefit	The SE Lab shall provide promotional consideration for participating vendors.
10	45 Tool Marketing	The SE Lab shall provide tool vendors a mechanism to reach the INCOS E membership.
11	46 Skill	The SE Lab shall provide members an opportunity to enhance tool skill level.
12	47 Member Benefit	Opportunity to participate in the SE Lab shall provide members additional value.
13	48 Tool Training	The SE Lab shall enable vendors to provide learning resources for the tool
14	49 Academic Development	The SE Lab shall pr
15	50 Student Proficiency	The SE Lab shall en
16	Communication	
17	51 SE Lab Communications	The SE Lab team st
18	52 Notifications	Anomalies in opera
19	53 Member Feedback	Feedback shall be e
20	54 CAB Feedback	Feedback from the
21	Distribution	
22	55 Distribution	The SE Lab shall pr
23	56 Product Integration	The SE Lab shall pr
24	Interfaces	
25	59 SETDB Connection	The SE Lab shall lin
26	57 Mentoring Connection	The SE Lab shall int
27	58 PDP Connection	The SE Lab shall int
28	Legal	
29	60 Legal Compliance	The SE Lab shall be
30	61 Noncompliance	Participation in the
31	62 Vendor Agreement	Each vendor shall h
32	63 User Agreement	Each user shall be e
33	Neutrality	
34	64 Equal Participation	The SE Lab shall pr
35	Operation	
36	65 Working Group Collaboration	Working groups sha
37	66 Tool Retirement	The SE Lab shall pr
38	67 Mentoring	The SE Lab shall pr
39	72 Capacity	The SE Lab shall co
40	Quality	
41	68 Internal Website Accuracy	The SE Lab internal
42	69 External Website Accuracy	The SE Lab externa
43	70 Tool Page Accuracy	The SE Lab tool we
44	71 Performance	Metrics shall be est
45	Management	
46	73 ServOps Plan	The SE Lab Team s
47	74 Metrics - Value Provided	The SE Lab Team s
48	75 Metrics - Resources Used	The SE Lab Team s
49	76 Reporting	The SE Lab Team s
50	77 Issue Reporting	The SE Lab Team s
51	78 Requirement Satisfaction	The SE Lab Team s



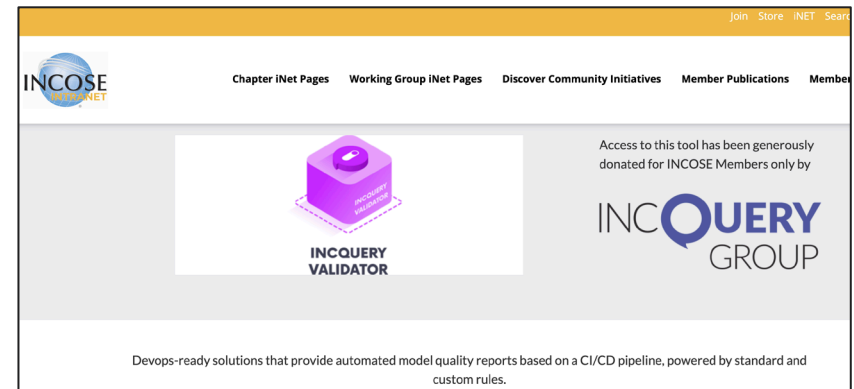
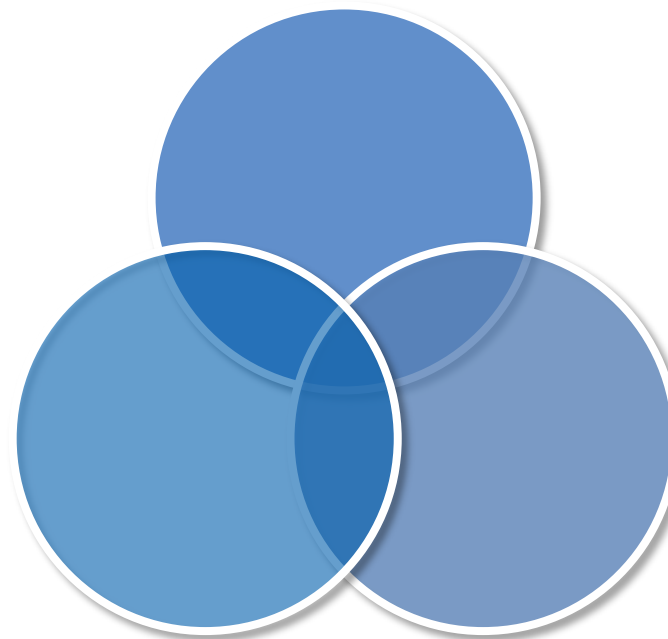
Websites Established



External Website
Introduces concept and encourages membership



Internal Website
Provides user agreement and map to tools



Vendor Websites
Provides tool access instructions, contacts, links to vendor sites and SETDB

www.incose.org/selab



Legal Agreements Set

- User agreement
- Vendor agreement

The screenshot shows the top navigation bar with links for 'Join', 'Store', 'INET', and 'Search'. Below the INCOSE logo is a menu with 'Engage with INCOSE', 'Certification', 'Events', 'Publications', 'Communities', 'Learn', and 'About Systems Engineering'. The breadcrumb trail reads 'INCOSE Home / Learn / INCOSE SE Laboratory / SE Lab - Terms of Use'. The main heading is 'INCOSE SE Laboratory Terms and User Agreement'. The text states: 'This Terms of Service and User Agreement (hereinafter "Terms and Conditions") sets forth the terms and conditions under which you ("you," "your," or "Member") may use and access, including all functionalities and services offered therein, or in connection with your participation in and use of INCOSE's System Engineering Laboratory hosted at www.incose.org/inet/se-lab (and any successor site thereto) collectively the "SE Lab)". As a condition of your use in accessing and utilizing the SE Lab, you understand and agree to all policies and procedures established by INCOSE, including these Terms and Conditions, INCOSE's Membership Agreement and Privacy Policy (collectively "Agreement").' The first section is titled '1. Use of SE Lab. The SE Lab is an online environment where Member can access third-party vendors' ("SE Lab Vendors")'.

The document is titled 'INCOSE SYSTEMS ENGINEERING LAB VENDOR AGREEMENT'. It begins with a preamble: 'This Systems Engineering Lab Vendor Agreement ("Agreement") is entered into by and between International Council on Systems Engineering, a California non-profit mutual benefit corporation ("INCOSE"), and _____ ("Vendor"), hereinafter referred to individually as a "Party" or together as "Parties."'. The 'RECITALS' section contains three paragraphs: 'WHEREAS, Vendor develops or has developed, and/or distributes Products (as defined below) in the fields of System Engineering.', 'WHEREAS, INCOSE is a professional society that develops and publishes industry best practices and community assets in the field of Systems and Software Engineering and general Engineering.', and 'WHEREAS, INCOSE requires access to modeling tools (media and licenses) to fulfill the objectives of enabling, promoting, and advancing systems engineering and systems approaches through its online Systems Engineering Lab ("SE Lab").'. The fourth recital states: 'WHEREAS, Vendor wants to expose INCOSE's Participants to Vendor's Products through the SE Lab.'. The text then reads: 'NOW, THEREFORE, in consideration of the premises and subject to the terms and conditions of this Agreement, the Parties agree as follows:'. The 'TERMS AND CONDITIONS' section starts with '1. Vendor Products. Vendor shall provide access to members of INCOSE ("Participants") through the SE Lab to the products and tools listed in Exhibit A attached hereto and incorporated herein by reference ("Products") for the purpose of carrying out non-commercial projects and non-commercial activities related to Systems and Software Engineering ("Authorized Purpose") at no cost to INCOSE or Participants. Products may include desktop or server-based software, cloud computing environments, or a combination of these.'. The second section is '2. Obligations of the Parties.', which includes 'A. INCOSE Obligations' with two sub-items: '(i) INCOSE shall take all reasonable steps to complete required tasks using the Products and to protect the Products provided by the Vendor, including: i. Hosting the Product software image, if applicable and/or necessary, in the member-only area and behind the secured firewall; ii. If the image is hosted by INCOSE, vetting access to the software image, and iii. If licenses are required, vetting license requests with the Vendor to authenticate the users.', and '(ii) INCOSE shall provide a primary point of contact ("Point of Contact") responsible for submitting license requests and license renewals, if licenses are required. INCOSE's initial Point of Contact shall be set forth in Exhibit A.'. The page number '1' is at the bottom.



Vendors Enrolled

INC **QUERY**
GROUP

**AUTOSAR-UML
BRIDGE**

INC **QUERY**
GROUP

**DESKTOP FOR
CATIA**

INC **QUERY**
GROUP

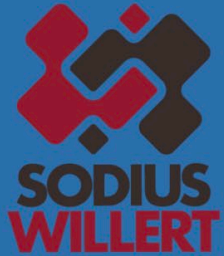
**VALIDATOR FOR
ENTERPRISE
ARCHITECT**

INC **QUERY**
GROUP

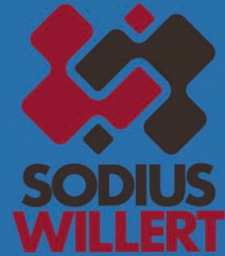
**VALIDATOR FOR
TEAMWORK
CLOUD**



Vendors Enrolled



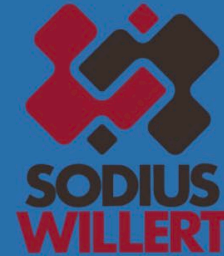
**PUBLISHER FOR
UNICOM
SYSTEM
ARCHITECT**



**PUBLISHER FOR
IBM RATIONAL
SOFTWARE
ARCHITECT**



**PUBLISHER FOR
IBM RHAPSODY**



**PUBLISHER FOR
IBM RHAPSODY
- CAMEO
IMPORTER**



Vendors Enrolled





Vendors Enrolled



TRACE.SPACE
AI-ENHANCED
REQUIREMENTS
MANAGEMENT





Vendors Enrolled

- Dassault Systemes
- Upgrade in work
- Two offerings
 - Select working groups platform access for 3DEXPERIENCE
 - Individual trial licenses





Users Enrolled

smartsheet

The INCOSE SE Laboratory's User Request Form

Please use this form to request a free license to one of the tools in featured in the SE Laboratory. Access to these free tools is strictly for INCOSE Members only and your membership will be verified before access is granted. By submitting this form, you are agreeing to abide by the [SE Laboratory's Terms of Use Agreement](#) and any violation of this agreement will result in disqualification from all current and future use of these tools.

Full Name (First Last) *

INCOSE Member ID *

An active INCOSE Membership is required to be maintained at all times when accessing the tools in the SE Laboratory.

Email Address *

What Company or University are you currently affiliated with? *

Which Tool are you interested in? *

For INCOSE's purposes, you may only request access to one tool per form submission. However, you may fill out this form multiple times if more than one tool is needed.

What INCOSE Working Group or Initiative are you associated with? *

You may select multiple.

Pick One of the Following *

Based on your answer to the above question, please provide a brief explanation for use *

i.e., Specific WG project or product, academic use, INCOSE Initiative, etc.



Call for Participation



Individual
member use

Monday, Pier 9, SE Lab

Vendor Spotlight

13:00-14:00 IncQuery

14:00-15:00 SPEC Innovations

15:00-16:00 Dassault Systemes



Vendor
participation



Joining the
team



Questions &
suggestions

**Accelerate the
Transformation!**

Contact:

selab-leaders@incose.net



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