

**SAE INTERNATIONAL**

# **SAE INTERNATIONAL INTRODUCTION**

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**IBIS Summit at DesignCon**

**Santa Clara, California**

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# AGENDA

1. SAE International
2. SAE Industry Technologies Consortia (ITC)
3. SAE Technical Committees
4. SAE Standards Works

SAE International is a global body of scientists, engineers, and practitioners that advances systems knowledge in a neutral forum for the benefit of society.

SAE International is a not-for-profit, non-lobbying technical organization and membership association with 138,000 members in over 100 countries.

**Aerospace**



**Commercial  
Vehicles**



**Automotive**



**World Headquarters – Warrendale PA, USA**

**Automotive Headquarters – Troy MI, USA**

**Aerospace Standards – Washington DC**

**Aerospace Standards Europe – London**

**SAE China - Shanghai**

**London**



# SAE STANDARDS History *and Future* .....

1905



SAE formed in 1905 to promote safety and common practices for the emerging automobile market.

SAE charter expanded in 1916 to incorporate aeronautics

1<sup>st</sup> SAE Aerospace Standard, 1917

7,000 + SAE Aerospace Standards

Mil-Spec Reform 1997 Onwards

SAE Aerospace Standards Europe office opened in London in 2007

Integration of TechAmerica Standards Program and the IBIS Program in 2013

2013



...AND TODAY REACH MORE INDIVIDUALS THAN EVER IN MORE THAN  
100 COUNTRIES

**2014**

**engineers**

**138,000**

**educators**

**executives**

**students**

**The SAE Industry Technologies Consortia (ITC) is a not-for-profit membership organization comprised of participant programs that is a flexible, convenient and cost-effective alternative to incorporation**

**The ITC provides a unique framework within which clients create much needed solutions to technical and business problems**

**The ITC Participant Agreement allows the ITC to provide benefits/services to participant groups (provided the group aligns with the ITC's mission and exempt purpose)**



**Each client maintains their desired degree of autonomy, flexibility and control while benefiting from the ITC's comprehensive benefit/service capabilities including**

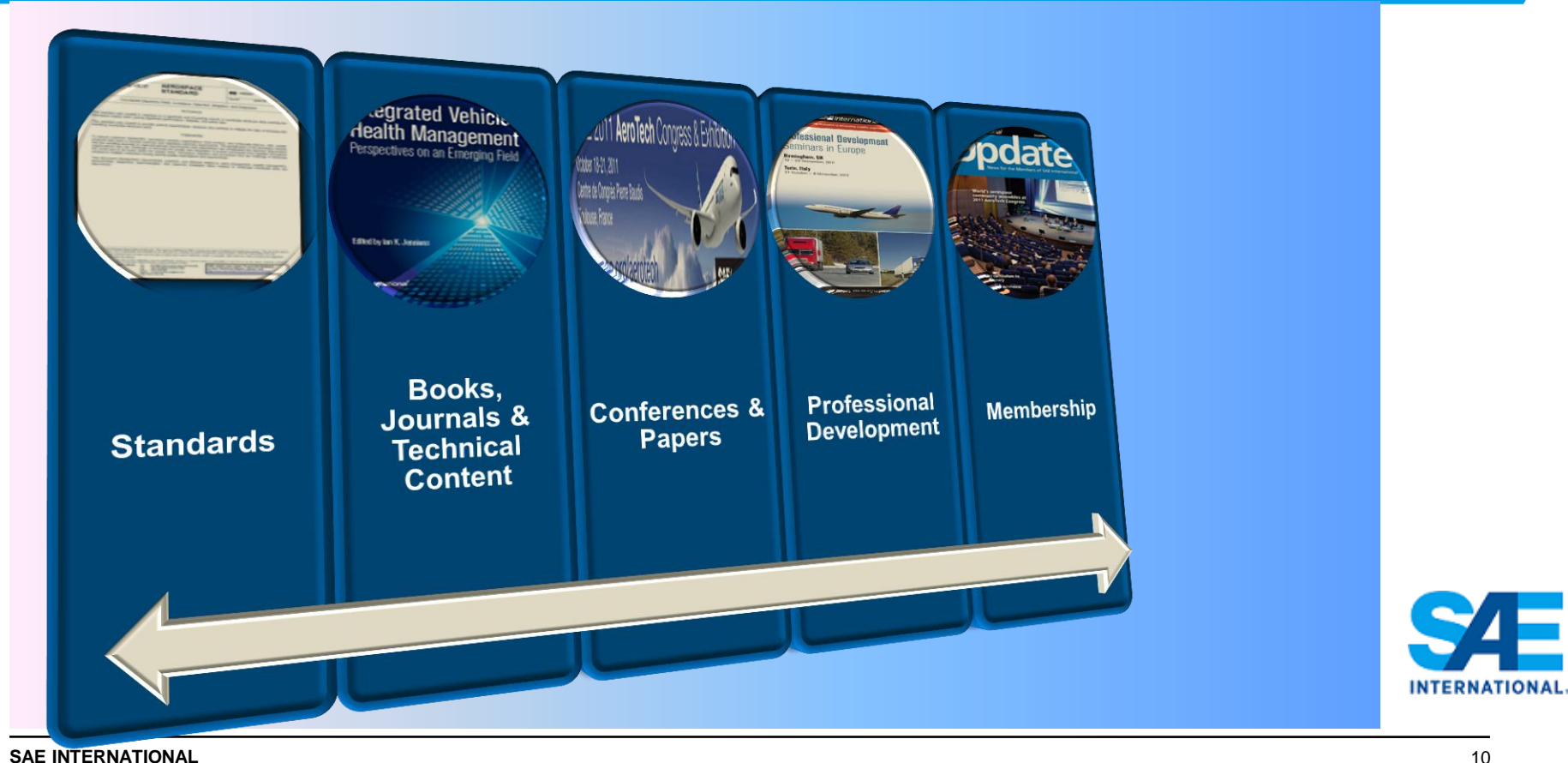
- Full protection of the ITC legal umbrella upon signing the Participant Agreement allowing participant programs to enjoy the legal protections and insurance benefits of operating within an incorporated, fully insured, not-for-profit organization
- Tax exempt status immediately upon signing Participant Agreement (provided group aligns with ITC's mission and exempt purpose)
- Administrative services, accounting support, annual audit, tax filing, insurance, website, publishing, IT support, office address, marketing, etc.





**Participant groups realize value from the SAE ITC by using its comprehensive management and operational support to realize greater efficiencies allowing the industry groups to focus on their respective technologies, programs, goals and objectives while operating within the SAE ITC infrastructure and legal framework.**

# SUPPORTING STANDARDS - PORTFOLIO



# SAE Technical Committees

- **Technical Committees are responsible for the preparation, development, maintenance and promotion of all relevant standards within their scope.**
- **Each Technical Committee is required to have a charter which shall address scope, committee purpose and program of work.**
- **Technical committees consist of technical experts from government, industry, regulatory agencies and academia.**

# SAE COMMITTEE MEMBERSHIP LEVELS

- ❑ **Open to all with an interest and expertise**
- ❑ **4 levels of membership:**
  - ❑ **Leadership** – Chair, Vice-Chair, Secretary
  - ❑ **Member** – voting duty, must attend majority of meetings and contribute to committee
  - ❑ **Liaison** – has access to workspace; can make technical comments; may be involved in standards or meetings
  - ❑ **Mailing List** – Limited access to workspace, receives updates on standards

# SAE STANDARDS WORKS


**SAE Standards Works is a workflow and collaboration tool used by all SAE Technical Committees. This website not only allows committee members and SAE staff to work our standards through the balloting process and on to publication, but also acts as a communication tool that contains information such as meeting minutes, future meeting information and other useful resources.**

# SAE STANDARDS WORKS

The screenshot shows the SAE International Standards Works website. The header includes the SAE International logo, navigation links like 'SAE Home', 'Contact Us | Help | Shopping Cart', and a user greeting 'Hi, David Alexander'. The main navigation bar has 'My Home', 'Technical Committees', and 'Intellectual Property Policy'. A left sidebar contains 'My Committees' with a list of committees (Council, A10, A20, A20A, A20B, A20C, A21) and 'My Tasks' with a 'Vote on Ballot' section showing 'AS6174' on '05 Feb'. The main content area is titled 'AE-7C Systems Committee' and has tabs for 'Main', 'WIP', 'Documents', 'Committee Work Area', 'Roster', 'Ballots', 'Email', and 'SAE Members Only'. Under the 'WIP' tab, there is a link 'WIPs Older Than 5 Years' and a section 'Works in Progress' containing a table of projects.

Project	Title	Sponsor	Date
<a href="#">AIR6127</a>	Managing High Voltage on More Electric Aircraft	Steven Iden	May 05, 2010
<a href="#">AIR6139</a>	Ways of Dealing with Power Regeneration onto an Aircraft Electrical Power System Bus	Patrick W. Wheeler	May 05, 2010
<a href="#">AIR6198</a>	Considerations for future more electric aircraft electric power systems	Mario R. Rinaldi	May 06, 2011
<a href="#">AS1212A</a>	Electric Power, Aircraft, Characteristics and Utilization Of	Steven Iden	May 11, 2011

- All SAE technical committees use SAE standards works
- All useful documents, drafts, minutes, roster are accessed in Standards Works
- The site is secure owing to the nature of the material
- Committee processes – initiating documents, storing data, communicating, balloting, is streamlined to allow fast and easy time-to-market

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SAE Standards Works

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**My Committees**  
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[SSTC](#)  
[SSTCAPMC](#)  
[SSTCEIMI](#)  
[SSTCG11](#)  
[SSTCG12](#)  
[SSTCG33](#)

**My Tasks**  
Start Ballot:  
[AS1390](#) 09 Jan

**Document Search**  
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## IBIS, I O Buffer Information Specification

**Committee** | [Main](#) | [WIP](#) | [Documents](#) | [Committee Work Area](#) | [Roster](#) | [Ballots](#) | [Email](#) | [SAE Members](#)  
Only

Resources	Manage	Upcoming Meetings	Minutes	Manage
<ul style="list-style-type: none"><li><a href="#">Aerospace Council Organization and Operating Guide</a></li><li><a href="#">Awards</a></li><li><a href="#">Document Development and Sponsor Guidelines</a></li><li><a href="#">Document Sponsor Checklist</a></li><li><a href="#">FAQs</a></li><li><a href="#">New Project Request Form</a></li><li><a href="#">Participation Request</a></li><li><a href="#">TSB Governance Policy</a></li><li><a href="#">Reference Tools</a></li><li><a href="#">Virtual Meetings - A Best Practice Guide</a></li><li><a href="#">SAE Standards Works Guidelines</a></li><li><a href="#">Committee/Systems Group Chairman's Workshop (June 2012)</a></li><li><a href="#">Committee Quad Charts</a></li><li><a href="#">Organizational Chart</a></li></ul>		No meetings have been scheduled.	No meeting minutes have been posted.	

SAE Staff Representatives: [Chris Denham](#)

# SSTC Standards Works Page

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**My Tasks**  
Start Ballot:  
[AS1390](#) 09 Jan

**Document Search**  
Document Name:  
 [Search](#)  
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## Systems, Standards and Technology Council

**Committee** [Main](#) [WIP](#) [Documents](#) [Committee Work Area](#) [Roster](#) [Ballots](#) [Email](#) [SAE Members Only](#)

Resources	Manage	Upcoming Meetings	Manage	Minutes	Manage
<ul style="list-style-type: none"><li><a href="#">Aerospace Council Organization and Operating Guide</a></li><li><a href="#">Awards</a></li><li><a href="#">Document Development and Sponsor Guidelines</a></li><li><a href="#">Document Sponsor Checklist</a></li><li><a href="#">FAQs</a></li><li><a href="#">New Project Request Form</a></li><li><a href="#">Participation Request</a></li><li><a href="#">TSB Governance Policy</a></li><li><a href="#">Reference Tools</a></li><li><a href="#">Virtual Meetings - A Best Practice Guide</a></li><li><a href="#">SAE Standards Works Guidelines</a></li><li><a href="#">Committee/Systems Group Chairman's Workshop (June 2012)</a></li><li><a href="#">Committee Quad Charts</a></li><li><a href="#">Organizational Chart</a></li></ul>		<div>February 25 - 27, 2014 McLean, VA United States</div> <ul style="list-style-type: none"><li><a href="#">Registration</a></li><li><a href="#">Meeting Information</a></li></ul> <div><a href="#">Send Meeting Notification &gt;</a> <a href="#">Send Updated Meeting Notification &gt;</a> <a href="#">Notify Unregistered Members &gt;</a></div>		<ul style="list-style-type: none"><li><a href="#">October 2013</a></li><li><a href="#">June 2013</a></li><li><a href="#">January 2013</a></li><li><a href="#">June 2012</a></li><li><a href="#">January 2012</a></li><li><a href="#">May 2011</a></li><li><a href="#">January 2011</a></li><li><a href="#">June 2010</a></li><li><a href="#">January 2010</a></li></ul>	

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