Introduction to IAEG®

International Aerospace Environmental Group

JANUARY 2019

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INTERNATIONAL AEROSPACE ENVIRONMENTAL GROUP

- A trade association formed by major aerospace companies
- Focused on the multitude of global laws and regulations impacting health and the environment
- Formed to address the complexity and variability of these requirements and associated impact on the aerospace industry (civil & defense) and its supply chain
- Seeks to drive continual improvement in the processes used by the industry, thereby delivering consistently high quality products and regulatory compliance with reduced environmental impacts

IAEG® formally incorporated June 2011
MISSION AND VISION

Vision:
To advance innovative environmental solutions for the aerospace industry

Mission:
We are the leading global aerospace forum for sharing good practices concerning key issues and developing voluntary consensus standards around the environment
IAEG® BY THE NUMBERS

**Revenue Footprint**

$400 Billion
Out of an approximate $700 Billion industrial base*

**Employment Footprint**

Slightly over 1 Million
Out of a roughly 2 Million industrial base*

**Solutions**

Complex and innovative products that last decades

*in the marketplace*
WHY IAEG®?

- Environmental challenges
- Business continuity
- Global Supply Interdependence
- Reduced burden of compliance on the supply chain
- Global tools & voluntary standards
- Shared sector objectives
- Sustainable growth
- Criticality – rapid change & growth

Working together for the aerospace industry
ORGANIZATIONAL SET-UP

- 25 Board members
- Officers:
  - Chair
  - Vice Chair
  - Chief Operating Officer
  - Treasurer
  - Secretary
  - Business Administration
  - Communications Officer
- Procures necessary administrative and professional services
- Establishes Work Groups to address substantive solutions
MEMBERS

3M Deutschland GmbH
Airbus*
Airbus Defense & Space
Airbus Helicopters
Arconic*
Assent Compliance
BAE Systems
Bergeson & Campbell, PC
Boeing*
Bombardier Aerospace*
Cobham plc
Dassault Aviation*
Dassault Systemes Enovia Corp
DXC.technology
Embraer*
ERM
GE Aviation*
Granta Design Ltd
GKN
Gulfstream
Haley & Aldrich
Hangsterfer’s Laboratories Inc
Harris Corp
Honda Aircraft Company, LLC
Honeywell
Huntsman Advanced Materials
Israel Aerospace Industry Ltd
Lockheed Martin*
Meggitt PLC
Mitsubishi Aircraft Co
National Quality Assurance
Northrop Grumman*
Raytheon*
Rockwell Collins
Rolls-Royce*
SAAB AB
SAFECHEM Europe GmbH
SAFRAN*
Souriau SAS
Spirit Aero Systems
SR Technics Switzerland Ltd
SurTec International GmbH
Tetra Tech Inc
Textron Aviation
Thales*
United Technologies Corporation (UTC)*
Zaki Surface Treatment Consulting

* Board Member
CHEMICAL REGULATIONS

Chemical Reporting
- Developed Declarable Substances List: AD-DSL V2
- Engaged with IPC on AD materials declaration standard publication
- Promoting implementation/use of AD chemicals data exchange process

REACH Authorisation
- Evaluated Supply Chain for REACH SVHC use and dependency
- Launched two independent cost sharing consortia for Authorisation Applications
  - GCCA (Global Chromates Consortium for Aerospace)
  - EAAC (Ethoxylates in Aerospace Authorisation Consortium)

Replacement Technology
- Established a platform for industry research and development collaboration
- Implementing ongoing projects – Cd Plating on Standard Parts, Bonding Primer, Hard Chrome Plating, Corrosion Inhibiting Epoxy Primer, Chromate Conversion Coating & Anodize Seal

REACH Registration, TSCA Inventory Notification & BREXIT impact analysis
- Developed industry communication
- Evaluated industry approach for compliance

Emerging Global Regulations and Standards Development – New

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ENVIRONMENTAL MANAGEMENT AND SUPPLY CHAIN ENGAGEMENT

**Greenhouse gas reporting**
- Developed voluntary industry standard
- Approved by the World Resources Institute (WRI)
- Published Industry guidance for WRI greenhouse gas reporting standard

**Harmonized Environmental Sustainability Questionnaire**
- Developed Supply Chain Environmental Sustainability Survey with scoring mechanism

**Transition to ISO 14001:2015**
- Developed voluntary transition document
- Provided training, available through recorded Webinar

Common Industry Vocabulary available at [www.iaeg.com](http://www.iaeg.com)
2019 meetings:

8 - 11 April
Annual Meeting
San Diego, California USA

TBD
Face-Face Meeting
Europe
NEW MEMBERS ARE WELCOME

• Interested parties may contact;
  • Sally Gestautas– Chair smgestautas@raytheon.com
  • Pascal Frou – Vice Chair pascal.frou@safran.fr
  • Bruno Costes – COO bruno.costes@airbus.com
  • Steve George – Treasurer steve.george@rolls-royce.com
  • Rachel Becker – Business Administration rachel.becker@ge.com
  • Thomas Wilcox– Secretary thomas.j.wilcox@boeing.com
  • Jill Palmer – Communications Officer jill.palmer@ngc.com
  • Christer Hellstrand – Program Director chellstrand@iaeg.com

• IAEG® Website: http://www.iaeg.com/
## Membership Eligibility Determination

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<tr>
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<th>YES</th>
<th>NO</th>
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<tr>
<td>1</td>
<td>Is the applicant principally engaged in carrying out design, manufacture or support of civilian or military aerospace original equipment, systems, or structures, of aircraft, rotorcraft, satellites and/or space exploration vehicles.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Is the applicant a major supplier earning at least $100 million in annual revenues as a supplier to Aerospace Companies</td>
<td></td>
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<tr>
<td>3</td>
<td>Is the applicant a supplier, regardless of the total amount of its revenues, having at least 80% of its annual revenue from Aerospace Companies</td>
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If the answer to at least one of the above 3 questions is yes, and the applicant is NOT a subsidiary of a company already a Full Member of IAEG®, then

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<th>Annual Membership Fee</th>
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<td>If the average of the last 3 years annual revenue, based on an exchange rates on December 31st, 2015, is <strong>greater than $10B</strong>, $20,000</td>
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<tr>
<td>If the average of the last 3 years annual revenue, based on an exchange rates on December 31st, 2015, is <strong>less than $10B</strong>, $15,000</td>
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If the answer to questions 1, 2 & 3 above is no, or the applicant is a subsidiary of a company already a Full Member of IAEG®, then

The company is eligible for a IAEG® Liaison membership $5,000