Summer 2020 Newsletter
July, 2020
Dear IAEG Members,

I hope that you all are staying safe during these extraordinary times.

While the pandemic prohibited us from meeting in person this spring, it is remarkable to see the continued progress made by the workgroups and committees. Thank you to all the leaders for your tremendous coordination, and to all team members for your engagement. This issue of LIFT presents some highlights of the great work from work groups 1, 2, and 7.

The summer of 2020 marks notable changes to IAEG’s Executive Committee, and the list of elected IAEG Officers is included in this issue. Congratulations to the new Officers!

On behalf of IAEG, I would like to express our deepest appreciation to Tom Wilcox and Steve George for their incredible leadership on the Executive Committee over the years. Serving as Officers, their commitment and dedication to
the organization and its members has created a strong foundation for IAEG to build upon in the future.

Looking to the fall, IAEG will not be holding an in-person meeting due to the COVID-19 pandemic. We do plan to host virtual Workgroup meetings, however, so stay tuned!

Wishing you all a great and healthy summer. Although how we spend our holidays may be different from what we would have imagined a year - or even six months - ago, I hope you all find moments for relaxation and renewal.

Sally Gestautas
Board Chair, IAEG
What's New in IAEG

The Results Are In!
IAEG Welcomes Newest Members of the Board

The Board of Directors voted last month to elect officers for several positions opening up for three year terms, and the election results are as follows. Congratulations to our new officers; we look forward to supporting each of you in your new role.

We would like to thank our outgoing officers – Tom Wilcox and Steve George – for their extraordinary leadership, commitment, and dedication to IAEG during their tenure.
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<th>Office</th>
<th>Director</th>
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<td>Vice Chair</td>
<td>Bruno Costes, <em>Airbus</em></td>
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<td>Treasurer</td>
<td>Heather Daniels, <em>Lockheed Martin</em></td>
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<td>Secretary</td>
<td>Jill Palmer, <em>Northrop Grumman</em></td>
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<td>Chief Operating Officer</td>
<td>Steve Shestag, <em>Boeing</em></td>
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<td>Business Administration Officer</td>
<td>Rachel Becker, <em>GE Aviation</em></td>
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<td>Communications Officer</td>
<td>Michele Lewis, <em>Raytheon Technologies</em></td>
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Work Group 2 (WG2) is currently running six projects to investigate potential alternatives to aerospace industry technologies affected by REACH. The team is pleased to announce the completion of two of these projects.

The **Corrosion Inhibiting Epoxy Primers (CIEP) Project**, led by Gareth Whittle of BAE Systems, carried out a technical exchange project to study and evaluate data provided by the seven participating companies on non-chromated corrosion inhibiting primers with epoxy binders, used to provide corrosion protection to metallic substrates.

The CIEP project member companies have developed a screening specification that details a set of product requirements for undertaking an initial evaluation of potential
REACH compliant coatings. This was designed to quickly assess and down-select candidates eligible to be considered for full qualification, and will be a useful guide for suppliers to help understand the criteria they may need to meet to develop REACH compliant products for aerospace and defense companies.

In addition to the screening specification, the project team published two reports summarizing the deliverables of the project, one of which is available to project members only and the other for all members of IAEG.

The Bond Primer Project, led by Vijay Pujar of Collins Aerospace, a unit of Raytheon Technologies, carried out a technical exchange project where seven member companies collaborated to exchange information on key requirements for implementation of chromate-free bond primer and adhesive systems for aerospace applications. The team also compiled results for commercially available products that have already been tested by the participating companies. The team collectively developed minimum acceptance and performance requirements for REACH compliant bond primer and adhesive systems.

The project team announced the completion of this initial phase of the project and summarized their deliverables in a technical report. The project team has expressed an interest to move into a second phase of this project, where they plan to collaboratively evaluate REACH compliant alternatives to
current chromated bond primer systems by engaging with suppliers of bond primers. Phase II of the project will be conducted under a new Collaboration Agreement and participation is open to all members of WG2.

An IAEG member can use the data and deliverables from these projects on a voluntary basis to inform its unilateral business decision making processes.

WG2 would like to thank Gareth, Vijay, and their project teams for their hard work and commitment on delivering these projects.

For more information, click here or contact Laura Wilkinson, WG2 Team Lead.
WG1: Materials and Substances Declaration for Aerospace & Defense

Who We Are and What We Do

Work Group 1 (WG1) was the first work group established by IAEG, and remains one of the largest and most active work groups. It was established in 2011 to develop a voluntary materials and substances declaration process for the international aerospace and defense (AD) industry and its global supply chain. WG1’s productive working environment consists of Original Equipment Manufacturer companies (OEMs), who bring product and process-related knowledge, and declaration support contractors, who contribute their expertise and experience in developing and supporting corporate declaration programs. Both groups of participants combine to represent approximately 40 companies contributing to the work group.

The purpose of the declaration process is to obtain chemical (substance) data related to industry hardware products. This
data is then used by industry companies to support compliance with applicable regulatory requirements, identify dependency on substances of interest, and provide similar declaration data to the industry's customers. The approach used by WG1 conforms to IPC-1754, *Materials and Substances Declaration for Aerospace and Defense and Other Industries*. This IPC standard is based on a business-to-business data exchange between a supplier and its customers; product-related data “flows” down the supply chain ultimately to the AD industry company for its use. More information on IPC-1754, and other IPC declaration standards can be obtained by visiting the [IPC declaration website](#).

IAEG's WG1 develops the tools and information for voluntary use by the industry's companies in support of IPC-1754, including the Aerospace and Defense Declarable Substances List (AD-DSL), the AD Substance Reporting Tool (the AD-SRT), and supporting lists, instructions, training, and more. The AD-DSL represents currently-regulated hazardous substances of interest to the AD industry and is intended to be used in the declaration process, focusing supplier efforts on declaring product-related uses of those specific substances, at a minimum. Version 4 of the AD-DSL was recently published by WG1 and can be found [here](#).

IPC-1754 was developed to support electronic data exchange; however, some suppliers may not have the data management capability to produce electronic IPC-1754 declarations, and thus may need an alternate method to supply data to their customers. As a result, IAEG developed the Aerospace and
Defense Substance Reporting Tool (AD-SRT) to support “paper” declarations that conform to the IPC-1754 data element requirements. The AD-SRT was designed so that declaration data can be easily translated from the formatted spreadsheet into a data management system for subsequent use and processing. An updated version of the AD-SRT (Version 1.2) was also recently published to include the new version of the AD-DSL, and can be obtained on the IAEG AD-SRT webpage.

In 2018, WG1 established a sub-team focused specifically on “declaration support” to improve declaration quality and address technical issues related to developing declarations. The sub-team has produced an initial document entitled “Declaration Process Overview” (available here) that illustrates the major steps in developing a declaration and identifies the data and other needs to support declaration development. The sub-team is now building on that document, developing “rules of thumb,” calculations, references, and other resources that a company or industry supplier could use to support efficiency and accuracy in developing their declarations. It is anticipated that the Declaration Support effort will become increasingly important in the coming years, as the declaration activities within the industry (and in its supply chain) increase.

With the ever-changing regulatory environment for chemicals (including those contained in the composition of industry hardware products), and the resulting impacts on the AD industry and its products, WG1 is working to ensure that IAEG work products remain capable of supporting the industry's declaration needs. For example, the recent European Union’s
Waste Framework Directive requirement for reporting to a central data base (the Substances of Concern in Products, or “SCIP” database), have necessitated that additional data capabilities be included in IPC-1754. WG1 is incorporating SCIP data support into its tools, and the data element capability will be ready for use well in advance of the initial SCIP reporting requirement taking effect in January 2021. As a primary IAEG resource for chemical regulatory information, WG1 also supports other IAEG work groups, most notably Work Groups 5 (REACH Authorization) and 9 (Emerging Regulatory Requirements).

For more information on WG1 and its resources, please visit its dedicated webpage.
An effective Environmental Management System (EMS) is extremely valuable to remain informed on regulatory requirements, improve environmental performance, manage risk, support business continuity and quality, and reduce costs. However, many small and medium sized suppliers may not feel prepared, or have the level of resources necessary, to establish an effective EMS that conforms to the ISO14001:2015 Standard. Work Group 7 (WG7) developed the EMS Maturity Framework last year to support the implementation of a cost-effective and conforming EMS based on the size and risk profile of a company.

Following the Spring Face-to-Face meeting, WG7 published the Environmental Management System Maturity Framework Resources & Examples document to support the Maturity Framework. This document provides relevant information and real-world examples for each element of an EMS at the Foundation, Advanced, and Leading maturity levels. This document is available for voluntary use by IAEG member
companies and entities across their value chains. The easily navigable document with its interactive features will prove extremely valuable to member companies to assure their status at their existing maturity level, or to help them evolve towards the next level.

For more information on WG7, click [here](#) or contact Cindy Kloehn, WG7 Team Lead.
In 2019, IAEG welcomed three new member companies, completed activities in two work groups, and created two new work groups. Many of our numerous
accomplishments in 2019 are highlighted in this Year-End Report.
Upcoming Events

2020 IAEG Monthly Meetings
Conducted via Webex

Tune in to IAEG's Monthly Meetings for work group updates, officer report-outs, and more!

- August 13th
- September 10th
- October 15th
- November 12th
- December 10th
Save the Date:
Fall Virtual Face-to-Face Meeting

Due to the continued threat of the COVID-19 pandemic, the fall meeting will be held completely virtually. Work groups have the option to conduct their meetings during either of the following two weeks:

September 28th – October 2nd
October 9th – October 9th

For details on your work group's meeting schedule, contact your Work Group Lead. There is no registration required to participate.

If you would like to attend the virtual meeting, but are not currently involved in a work group, contact Christer Hellstrand.
Interested in becoming a member?

Complete the membership application or learn more about IAEG from the About Us video.