

**LiFT** |

Information on the rise.



**IAEG**  
INTERNATIONAL AEROSPACE  
ENVIRONMENTAL GROUP  
10-YEAR ANNIVERSARY

# IAEG LiFT Newsletter

2021 - Issue 2

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## A Message from the Chair

*As the recently elected chair of IAEG, I would like to thank my predecessor, Sally Gestautas, for her leadership and service as chair over the last 6 years.*

*Over the last ten years, IAEG has become an essential forum for the exchange of good environmental and chemical substance management practices and for standardizing procedures throughout the A&D supply chain.*

*Currently, all industry sectors are challenged to improve their environmental sustainability and to reduce their environmental impact. Within IAEG, we need to seize this opportunity not only to renew and boost our efforts on this subject but also to demonstrate through appropriate concrete actions and innovations, how it is possible to reduce our environmental footprint without hampering growth, which is key to sustainability.*

*We're just getting started!*

*Bruno Costes, Airbus  
Board Chair, IAEG*

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## Spotlight on IAEG 10-year Anniversary



### Our LinkedIn presence

IAEG, as part of its 10-year anniversary celebration, has been executing a significant communications campaign.

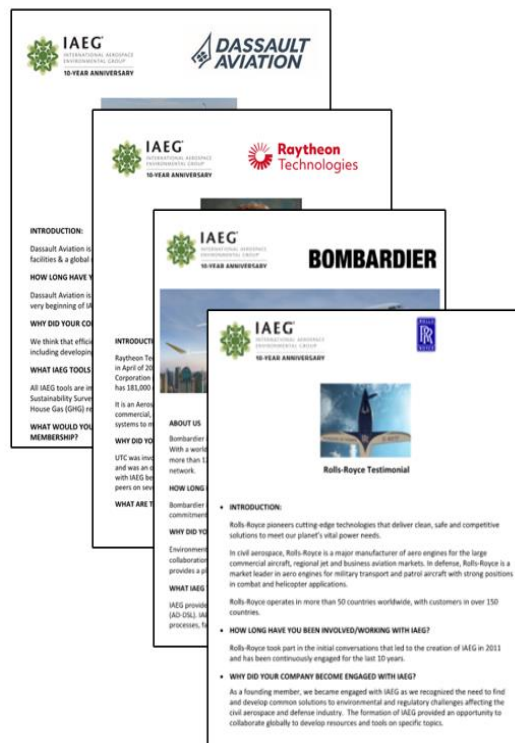
See some of the amazing statistics below:

- Over 30 articles posted in 2021
- 587 Followers of the IAEG LinkedIn communications
- 1744 Total Page Views
- >28000 Post impressions & 545 Post reactions

- Maintaining a strong “Click Thru Rate” (any CTR greater than 6% is a strong indication that users find IAEG content helpful and relevant)

Favorite articles so far this year:

- [Award Winners](#) (Picture on the left below)
- [Testimonials](#) (Picture on the right below)
- [WG2 Technical Reports](#)
- [WG9 Regulatory Alerts](#)



# IAEG 2025 Vision



We are just getting started... yet we have accomplished so much already!

In this newsletter we are going to look at how the featured work groups solidly contribute to IAEG 2025 Vision.

## IAEG in Action

### WG2: Replacement Technologies

#### Completion of the Anodize Seal Project

WG2 has been running projects to investigate technologies affected by REACH and potential alternatives that could be introduced to the aerospace industry. The team is pleased to announce that another of these projects has reached completion.

The Anodize Seal Project, led by Bruce Griffin of The Boeing Company, has completed a technical exchange project to study and evaluate data from the twelve participating companies. The scope of the project included an evaluation of non-hexavalent chrome sealing solutions used on anodized aluminium with and without paint coatings (organic finishes, chromated and non-chromated). There was also a requirement that any candidates for non-hexavalent chrome sealing solutions should also be free of cobalt and nickel.

The member companies have carried out a performance screening exercise of these solutions and summarized their results in a technical report. The report details performance levels for the agreed criteria of each proposed anodize seal solution, including test results. This technical report is available on the [IAEG website](#).

In addition to the technical report, the team has made a recommendation to SAE AMS (Aerospace Materials Spec) Committee B to update AMS2471 so it allows the option to use a trivalent chromium conversion coating as an anodic seal.

The project will now move into a maintenance phase where it will be reviewed yearly for any new developments and the technical report will be updated accordingly.

WG2 would like to thank Bruce and the team for their hard work and commitment to deliver this project.

A wider perspective on WG2.

WG2 contributes to IAEG Vision 2025 pillars of *Championing Chemical Stewardship* and *Engaging the Supply Chain*.

WG2 champions chemical stewardship by researching, through collaboration of participating member companies, the future alternatives to substance bans and limits set in environmental laws.

For these alternatives, WG2 endeavors to harmonize performance expectations by developing minimum acceptance and performance requirements for compliant alternatives or writing new standards approved by international bodies such as the SAE Aerospace Committee.

For further information, please visit the [WG2 webpage](#) or contact [Laura Wilkinson](#), WG2 Team Lead.

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## WG5: EU REACH Authorisation

### A deep dive on WG5 ways of working

WG5 investigates the impact on the A&D industry of substances being added to REACH Annex XIV list with the obligations it triggers. This smooth-running process is supported by technical consultants with a preliminary assessment phase that identifies known uses of these substances among the member companies; and a detailed assessment phase that reaches out to suppliers. The output of this process starts with a summary of the risks and may lead to recommendations for individual actions or joined efforts under Authorisation consortia.

These activities are not without challenges. The list of REACH Substances of Very High Concern (SVHCs) is a moving target with new substances proposed for addition to the Authorisation list every 12-18 months, resulting in more risk evaluations / substance mapping. In turn, this may potentially lead to supplier fatigue when requesting input from formulators & hardware suppliers, especially those negatively impacted by COVID. Finally, this is a data heavy process which requires significant time and manpower from WG5 leadership and member companies.



WG5 has developed strategies to overcome these challenges. Erin Yaeger, WG5 Lead, explains: *“We are working to streamline our processes by bringing more consultants on board to work on parallel projects. We are also being more judicious when determining the need for formulator interviews & supplier mapping by ensuring that the input is needed for members to make an informed decision on their Authorisation risk.”*

Time is of the essence when assessing the risks associated with EU REACH Authorisation. In the past two years, the streamlined process has resulted in member companies having more time to adequately assess their risks and need for Authorisation. Late last year, work started on multiple mapping activities in parallel speeding up the process further; there are currently 3 tasks ongoing in different phases of completion, and WG5 is preparing to launch a 4th.

For more information, visit the [WG5 website](#), which has been refreshed with new content.

## A wider perspective on WG5.

WG5 contributes to IAEG vision 2025 pillars of *Championing Chemical Stewardship* and *Engaging the Supply Chain*.

WG5 engages with formulators and chemical manufacturers to assist in determining member companies' risks related to EU REACH Authorisation and product obsolescence. WG5 also responds to both

risks by determining potential shared mitigation strategies.

WG5 strives to educate and raise awareness in the supply chain by creating relevant communications on the status of [A&D Cr\(VI\) Authorisations](#), as well as hosting informational webinars for suppliers before launching a detailed mapping activity relevant to REACH SVHCs.

Additionally, the Authorisation risk assessments carried out by WG5 are meant to assist not only WG5 member companies, but also our supply chains.

For further information, please visit [WG5 webpage](#) or contact [Erin Yaeger](#), WG5 Team Lead.

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## WG7: ISO 14001 and EMS Implementation

### A complete toolset for EMS adoption

WG7's approach to establishing an Environmental Management System (EMS) that conforms to the ISO14001:2015 standard has been inclusive, with the view that an EMS can be scaled according to supplier size and risk in a cost effective, consistent and supportive manner.

WG7 developed a complete toolset for a guided approach to EMS implementation, which is available for voluntary use by IAEG member

companies, entities across their value chains and other interested parties. The key elements of this toolset are:

- The EMS Maturity Framework for understanding the requirements associated with the four maturity levels: the Foundation Level, the Advanced Level, the Leading Level and the World Class Level.
- The EMS Implementation Maturity Framework Resource & Examples Document for implementing each of the EMS elements.
- The Verification Tool Kit includes a requirements conformity checklist and templates for self-declaration of EMS maturity level. This toolkit supports transparency for qualification assessments or 3rd party verification.

WG7 also provides an introductory [video](#) to the EMS Maturity Framework.

## A wider perspective on WG7

WG7 contributes to IAEG Vision 2025 pillars of *Engaging the Supply Chain* and *Fostering Environmental Sustainability*.

WG7's core belief is EMS adoption is possible throughout the supply chain and its focus has been on making it accessible via education and awareness. The tools and guidance discussed above are available for voluntary use by IAEG member companies and entities across their value chains.

The EMS Maturity Framework promotes a consistent approach to managing environmental responsibilities with an incremental implementation adapted to small and medium sized companies.

Developing and maturing an environmental management system allows companies to monitor regulatory requirements, improve their environmental performance, manage risk, support business continuity and quality, reduce costs, and enhance their overall contributions to the environmental pillar of sustainability.

For more information, please visit [WG7 webpage](#) or contact [Cindy Kloehn](#), WG7 Team Lead.

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## Keeping up with WG9

### WG9: Emerging Regulations

#### Summary of activities

WG9 had a productive first half of the year with 6 regulatory alerts published. You can find all regulatory alerts on the [IAEG website](#).

- [Alert 11 - EU REACH Annex XVII - Diisocyanate Restriction](#)

- [Alert 12 - Taiwan Toxic and Concerned Chemical Substances Control Act \(TCCSCA\)](#)
- [Alert 13 - Chinese Ministry of Ecology and Environment Order 15](#)
- [Alert 14 - Basel Convention Plastic Waste Amendment](#)
- [Alert 15 - Stockholm Convention 2019 Amendment](#)
- [Alert 16 - EPA Final Rules on Five PBT Chemicals](#)

WG9 also published a fact sheet addressing UK REACH which was followed later by a webinar also addressing the topic. In addition, WG9 published a fact sheet addressing the TSCA Persistent, Bio accumulative, and Toxic Chemicals Rule.

And don't forget to take a look at the Global Environmental and Chemical Regulations, Policies, and Standards Newsletter. It summarizes proposed/draft and final environmental and chemical regulations relevant to the Aerospace and Defense industry. This first newsletter covers emerging regulations announced in April 2021. The plan is to provide IAEG members with a monthly update on these regulations.

For more information on all the documents mentioned above, please visit [WG9 webpage](#) or contact [Lisa Brown](#), WG9 Team Lead.

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## Congratulations to our Award Winners



Congratulations to the nominees and winners of the [2021 IAEG Excellence Awards](#). Members were nominated by their peers for their outstanding contribution to an IAEG Work Group or the organization overall, specifically relating to their contributions to IAEG's efficiency & effectiveness, strategic development, and customer value.

The work our members do is integral to IAEG's success, and we are grateful for the hard work, exceptional dedication and enthusiasm from all members.

### **Congratulations to the following award winners:**

- Olivier Barret            Airbus
- Francois Corman       Safran
- Sandra Gridley         Raytheon Technologies
- Bruce Griffin           Boeing
- Cindy Kloehn           Airbus
- Rick Shanks             Raytheon Technologies

- Blair Smith            Raytheon Technologies
- Erin Yaeger            Raytheon Technologies

**Special recognition** to Sally Gestautas, Raytheon Technologies, for her lifetime achievement award.

**A heart-felt thank you to all the nominees:**

- Ally Rames            Haley & Aldrich
  - Carolyn Kupper      Boeing
  - Eva Hlavon            Viking
  - Gareth Whittle      Bae Systems
  - Lindsey Bean        Northrup Grumman
  - Lucy Reinhold        Raytheon Technologies
  - Sophie LePennec     Thales
  - Bruno Costes         Airbus
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## Welcome to our new Board Members

### IAEG Welcomes New Members of the Board

IAEG welcomed four new members to the board of directors in 2021. These individuals have made extensive contributions to IAEG and its Work Groups as members, and we look forward to all the great work that will be accomplished under their leadership.

- Thibault Normand    Safran
- Kathleen Oldham    Bell flight
- David Graeber        Boeing
- Costa Triantafyllidis    L3Harris technologies, Inc.

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## Upcoming Events

### 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 virtually.



**The Work Group report-out will take place on the 14th of October.**

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.

