

Ibon Ibarrola-Armendariz, JIG Technical Manager IATA Energy Forum. Kuala Lumpur, Malaysia – November 2023

Note: The procedures and practices presented in this document are best practice recommendations only. JOINT INSPECTION GROUP Ltd and/or the JIG Member presenting this document makes no claim or warranty whatsoever as to their completeness or suitability. JOINT INSPECTION GROUP Ltd and its Members shall have no liability to third parties in relation to following, or not following the recommendations contained herein.







JIG Standards & Members

Standards, Members, Inspections, Events

02

JIG Learning Hub

JIG online training available to the Industry

03

JIG in a changing environment

Our journey to the future

04

JIG Committee updates

JIG Committees

05

Q & A



The Aviation Journey...

Over 100 years in this journey. Commercial aviation began in 1914 with the first scheduled flight. It expanded post-WWII, driven by jet engines and globalization, revolutionizing global

travel.











JIG fast facts and what we do



Founded in 1970s to create common guidelines for joint ventures

JIG is a member of the IATA TFG. IATA participates in the JIG Operations Committee.



Standards endorsed by IATA since 2001

JIG is a member of the IATA TFG. IATA participates in the JIG Operations Committee.



One of the International Standards accepted by ICAO

Listed in ICAO 9977



Standards maintained and updated by industry experts

Active in Storage, Transport, Into-plane activities and Product Quality



Supported by world-leading inspection programme

Encourages continuous improvement and feedback mechanism to improve the Standards





JIG Standards in the World



Approximately 45% of jet fuel in the world is supplied through more than 2750 JIG Member facilities that follow JIG Standards





Not only operating Standards.....



HSSE Management Standard

- With supporting materials for sites
- Completed with a HSSE Checklist for Inspections



Governance Manual

- A collection of management good practice
- Supported with the Business Risks Assessments Tools



JIG Dashboard

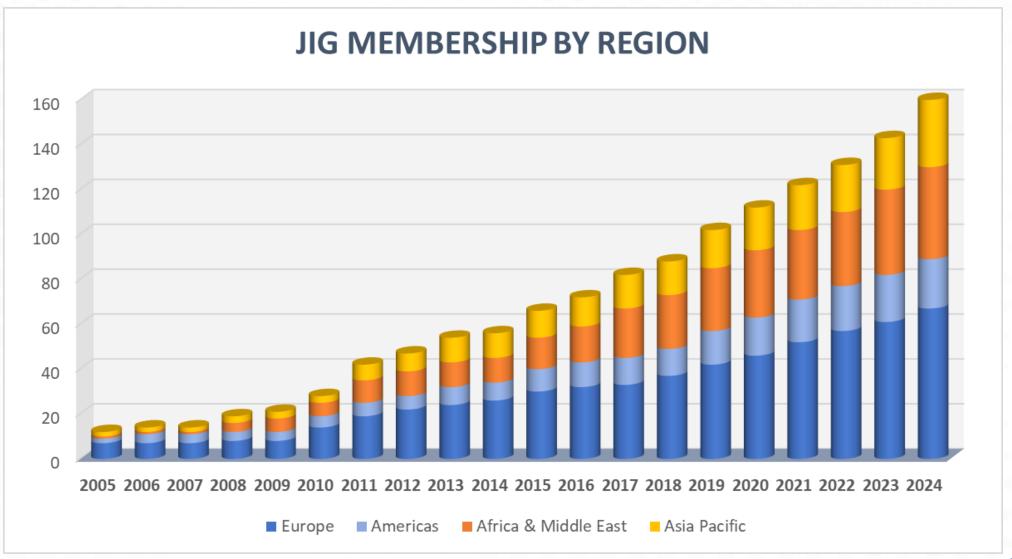
• All of your JIG sites' management data in one place



Membership by region

160 JIG Members now

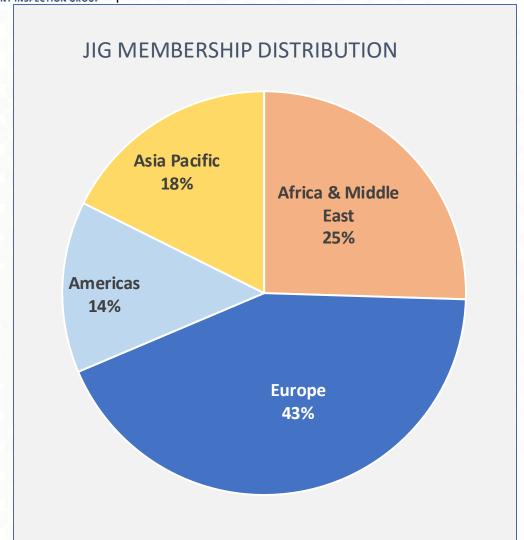
Since 2019, we have 10 new Members every year

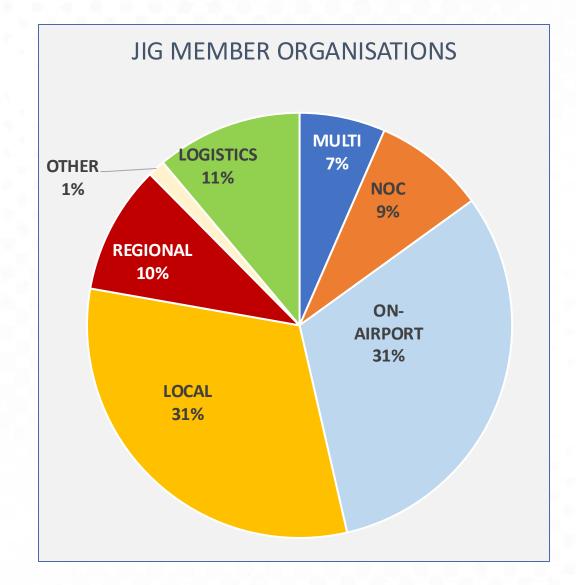






JIG Member details









JIG in a changing environment







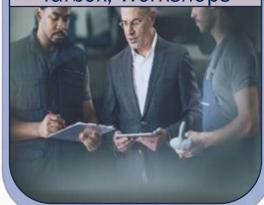






LFOs, HSSE MS,



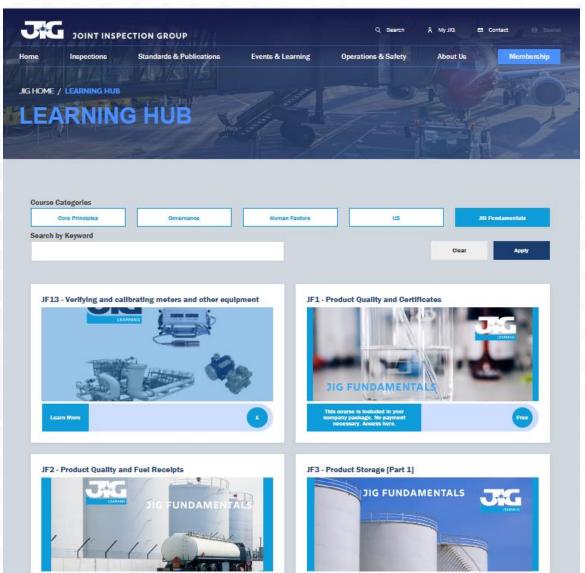




20 November



JIG Learning Hub



Learning Hub in JIG website

JIG Fundamentals

For future JIG Inspectors

Before the IJS Training

and

Available for Public Access

(check with us for further

information)





What can you expect to find on the Learning Hub?



Core Principles

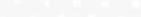
Governance

Human Factors

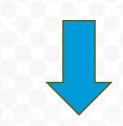
IJS

JIG Fundamentals



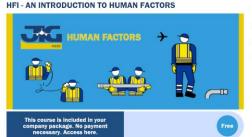




















JF1 - Product Quality and Certificates



This course is included in your company package. No payment necessary. Access here.







Updates to the JIG Inspector Training Programme

- Our JIG Inspector Training Course has been fully updated to our new format.
- "How to inspect" materials.
- Teach to look "wider and deeper"











JIG Events in 2024 - 2025

iii Mar 17th, 2025 - Mar 21st, 2025

Bangkok

2025 JIG INSPECTOR TRAINING - BANGKOK



Week long inspector training course, for Trainee Inspectors only. Formal application and qualification criteria applies.



A workshop designed for JIG Inspectors and Trainee Inspectors, covering a range of topics relevant to this role.





JIG Events in 2024 - 2025

iii Jun 23rd, 2025 - Jun 27th, 2025



2025 INSPECTOR TRAINING - DUBLIN



Week long Inspector training course, for Trainee Inspectors only. Formal application and qualification criteria applies.

iii Jun 10th, 2025 - Jun 12th, 2025



2025 MEMBERS' TECHNICAL FORUM - ISTANBUL



A forum for JIG Members to receive updates on industry changes and developments, to network, share ideas and learn from others.

This event will take place over 3 days, from 1200hrs on 10th June until 1300hrs on 12th June 2025, with a group evening dinner/activity on the 10th June.

If you have any questions relating to JIG events, please contact events@jig.org.





JIG Committee updates





Operations Committee

- JIG Bulletin 148 (OEM **Communication**)
- **JIG Bulletin 154** (Water Barrier **Filtration UPDATED LIST)**
- **Monitoring JIG Inspections** Findings to identify topics that need to be addressed
- **JIG Inspectors Training review**
- Follow/approve work done by SWG and different WG/SG
 - Over 100 items from ATL approved by OpsCom
 - Works ongoing



Filtration Working Group

- **Operational review on new** filtration technologies, which includes doing a survey with JIG Members/users
- JIG Members/Users El 1596 **Compliance Checklist (JIG** website)
- 39 Items from SWG ATL reviewed and agreed



Standards Working Group

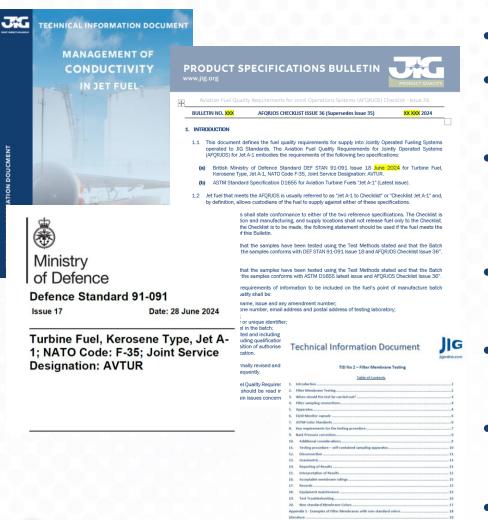
- List of CLADs evaluated by OEMs (to be use with pit couplers compliance with El 1584)
- JIG Issue 14:
 - ATL (Action Tracking List) 140 items already reviewed
 - WG created to review specific topics with SMEs
- **JIG Inspection Checklist**
- Summary of changes (Issue 14)
- El 1533 Checklist (for Inspections when Edition 2 published)





JIG PQC Recent Activities and future





- JIG Bulletin 150 MSEP Protocol
- JIG Bulletin 154 AFQRJOS, Checklist 35 now working on AFQRJOS Checklist 36, with Def Stan Issue 18
- Keep working closely with Fuel Specification bodies
 (ASTM, Def Stan) to monitor changes and/or suggest proposals agreed by PQC
- Support the industry in the implementation of Refuel EU Aviation Regulations (Europe)
- TID #6 Management of Conductivity in Jet Fuel (Annex for Avgas)
- Contributions to El/JIG 1530 Ed.3 and El 1533
 Ed.2Update
- TID#2 Filter Membrane Testing



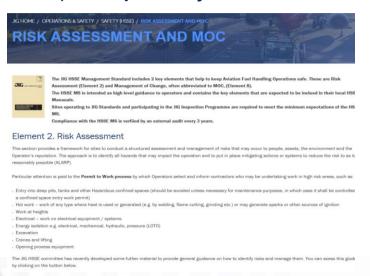


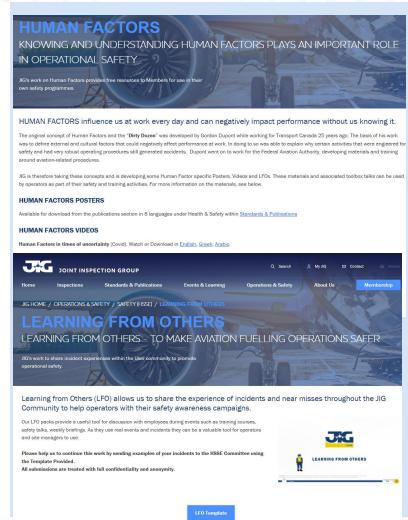
JIG HSSE Committee Activities



HSSE **Committee**

- Review incidents and define actions
- **HSSE Tool**
- **Human Factors**
- LF0s
- **APRON/Ramp Safety Awareness**









This presentation contains a lot of information; please use sections of the contents as necessary during site safety meeting and toolbox talks to support ramp safety themes. This isn't intended to be delivered in one session. If you save your own copy, you can add site specific content too as needed. Thanks for supporting this key topic. Please note some of this content exceeds JIG Standards and is considered good practice.







Ibon Ibarrola-Armendariz - JIG Technical Manager <u>ibon.ibarrola.armendariz@jig.org</u>