



JIG Issue 14

JIG Members Technical Forum – Rome 2026

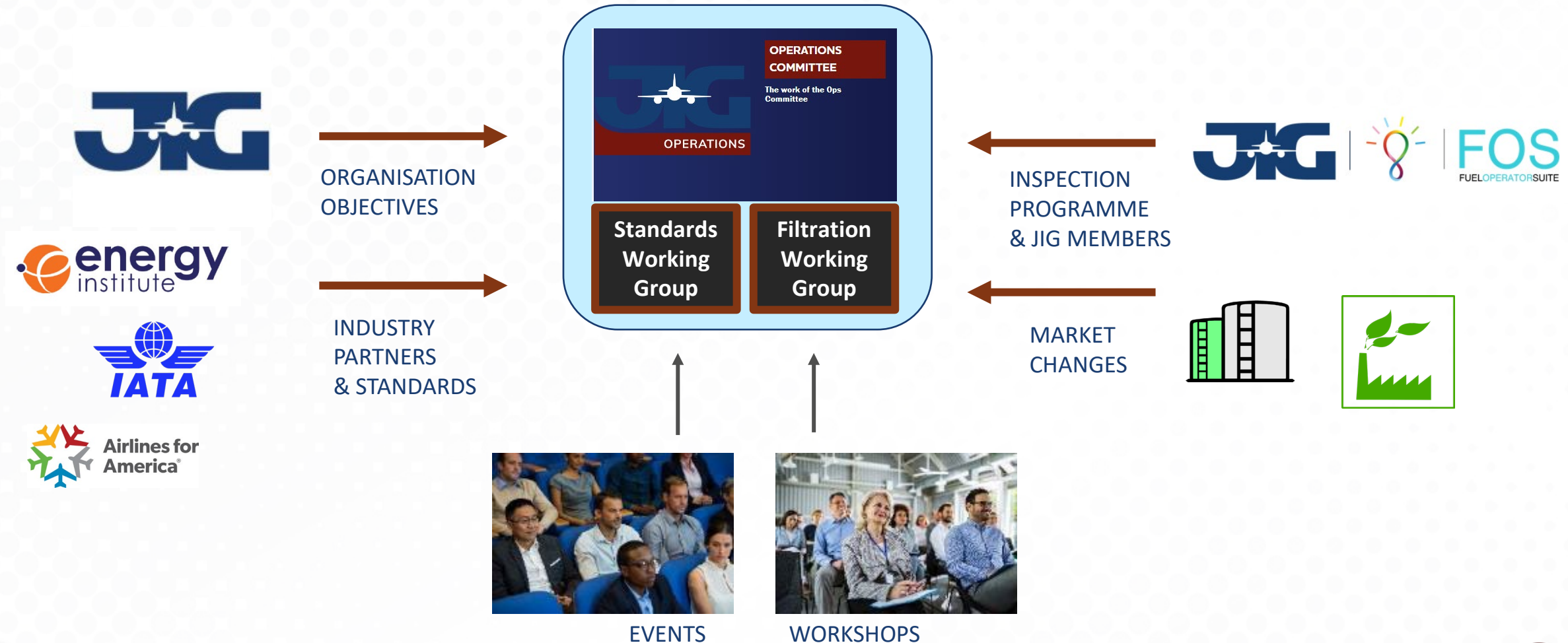
Ben Harries – Global Operational Standards and Training Manager – Air bp

JIG Standards Working Group (SWG) and Operations Committee Chair

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Stakeholder contributions to Standards updates



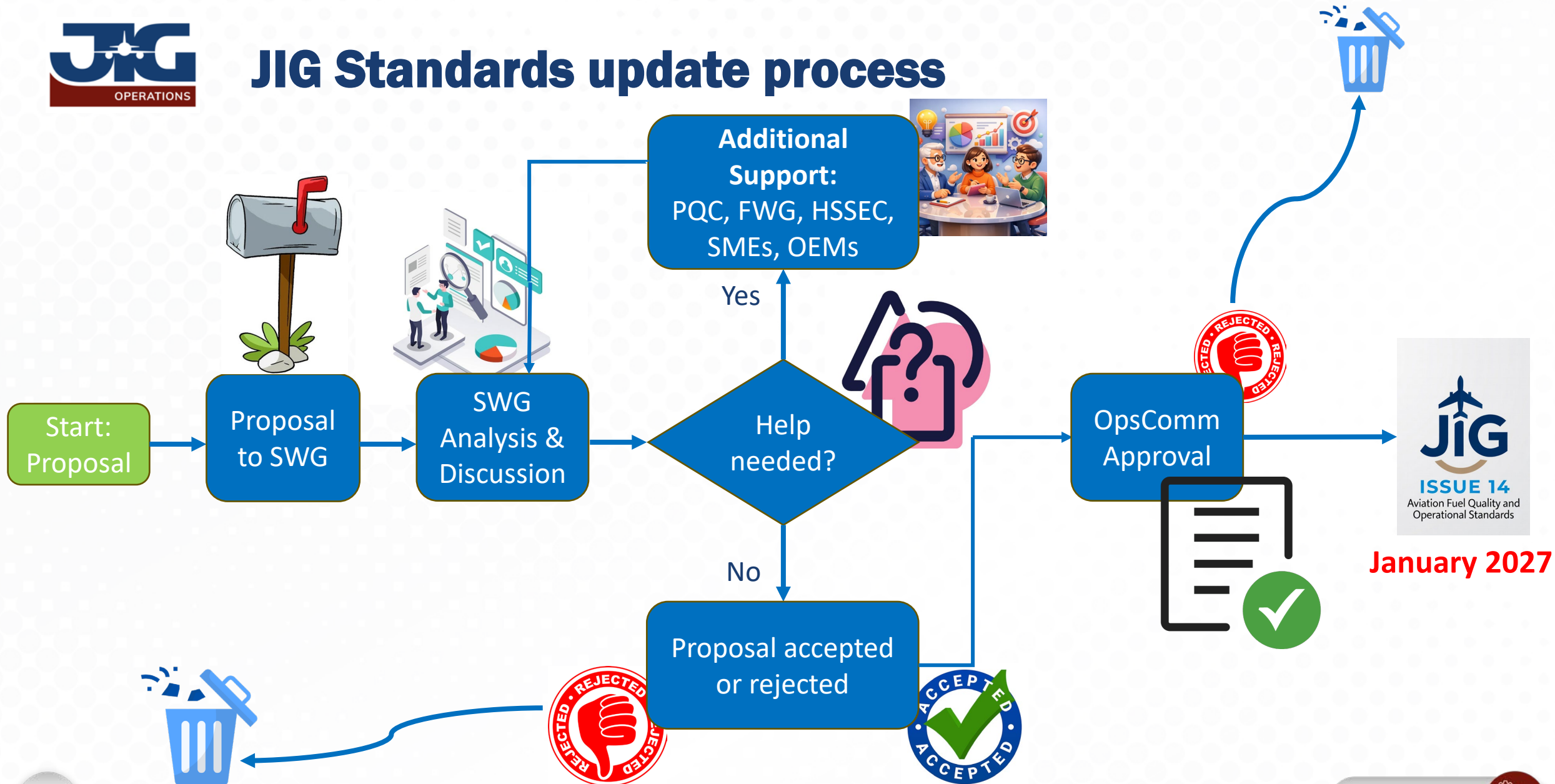
SWG Key Responsibilities

- Review and develop suggested changes to the JIG Standards (with support of other committees as required)
 - Submit proposed amendments to the Operations Committee for approval (including documented rationale / justification)
- Review and update the JIG Inspection Checklist
- To draft / review JIG Operations Bulletins and other technical publications as requested by the Operations Committee

The ***SWG*** provides the ***Horsepower*** for updates to JIG Standards



JIG Standards update process



Issue 14 Changes – Overview



JIG 1

- ✓ 108 Editorial
- ✓ 39 Simplification
- ✓ **46 Mandatory**

~400 proposals
~2,000 working hours
~20 mins per proposal



JIG 2

- ✓ 94 Editorial
- ✓ 21 Simplification
- ✓ **49 Mandatory**



JIG 4

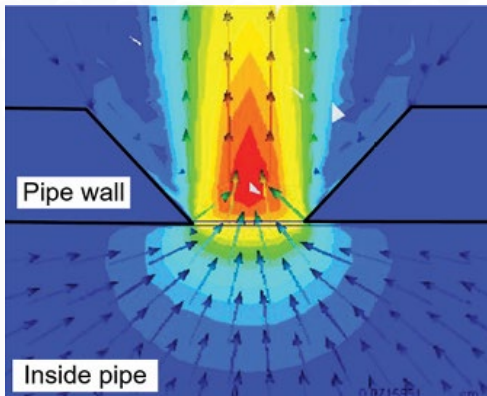
- ✓ 123 Editorial
- ✓ 37 Simplification
- ✓ **61 Mandatory**



Significant changes

- Hydrant Leak Detection minimum performance requirements

Alarm thresholds defined as 0.02 l/hr/m³ for <200m³, 4 l/hr for >200 m³



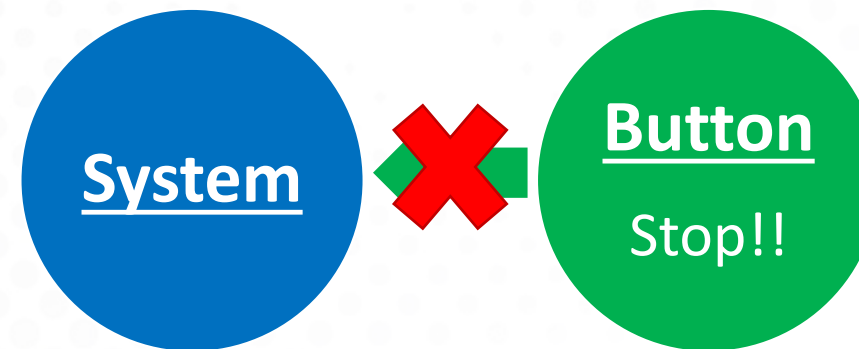
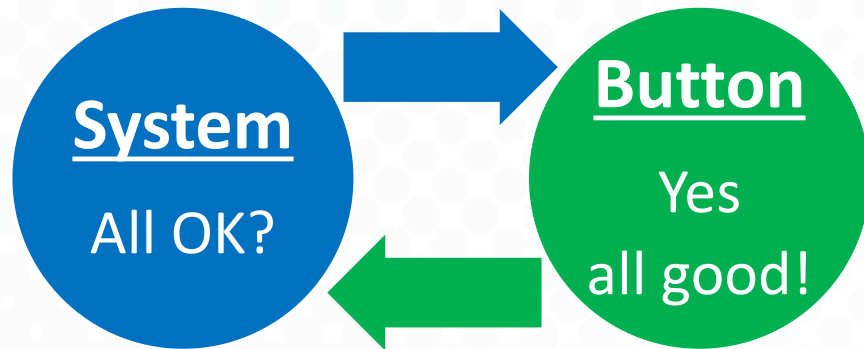
- Additional sectionalization may be required
- Pressure testing required where unable to meet

- Hydrant low points shall be dry break (from should)



Significant changes

- Hydrant Emergency shutdown system (ESD) shall be fail safe (clarification)



- Wireless systems unlikely to be truly fail to safe (secondary)
- Shutdown may be partial (multi-hydrant)
- All pit lids shall be tethered (clarification)



Significant changes

proof test	A partial or complete system instrumentation loop test verifying appropriate response from the sensing or activating elements (e.g. sensor, ESD button) to the final control element (e.g. valve, pump) including communication, alarms, etc.
function test	A test verifying that the signal from the sensor or activating element (e.g. sensor, ESD Button) to final control elements (e.g. valve, pump) transmits correctly but without the control element being activated.

— Do (cause & effect)

— Simulate

- Depot Emergency shutdown buttons (ESBs) – testing clarified; shall be proof tested
- Tank bund areas shall be kept free of vegetation and drain valves shall be kept closed and secured (earth bunds shall be kept short)

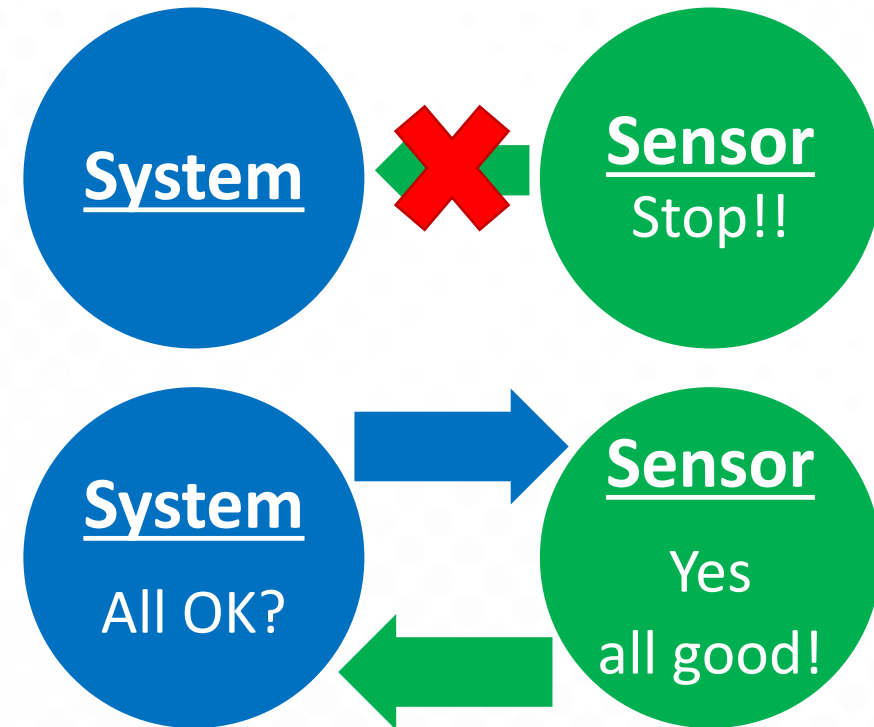
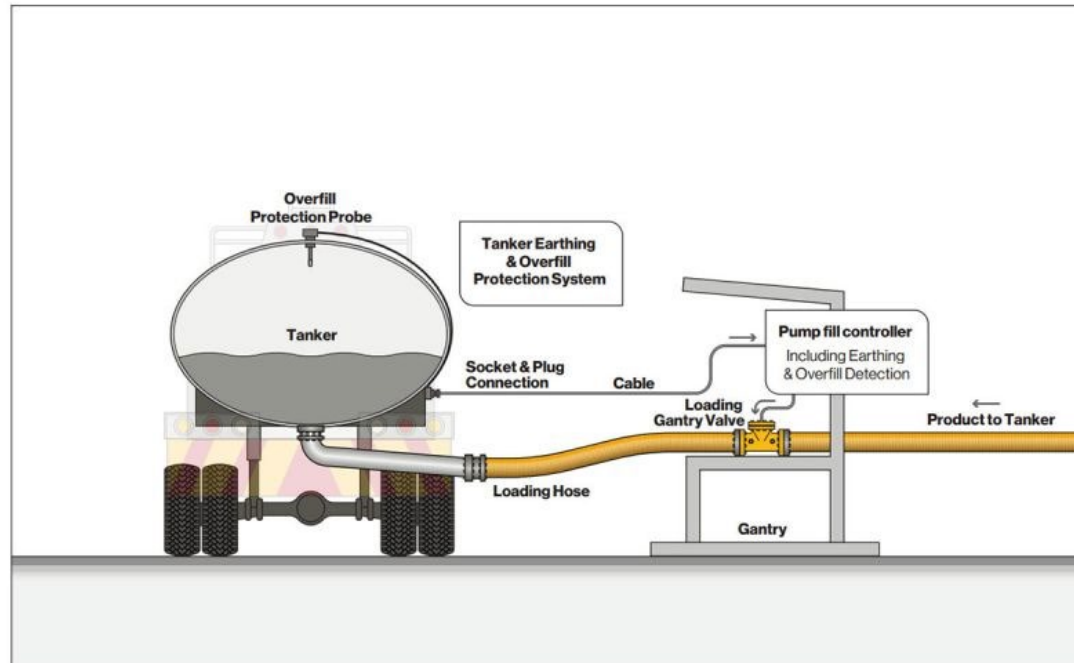


- Emergency procedures updated to cover Aircraft incidents where fuel quality could be a contributory factor (Already in JIG 1)



Significant changes

- Fueller loading pre-check not required under certain conditions
 - Permissive, fail to safe systems)



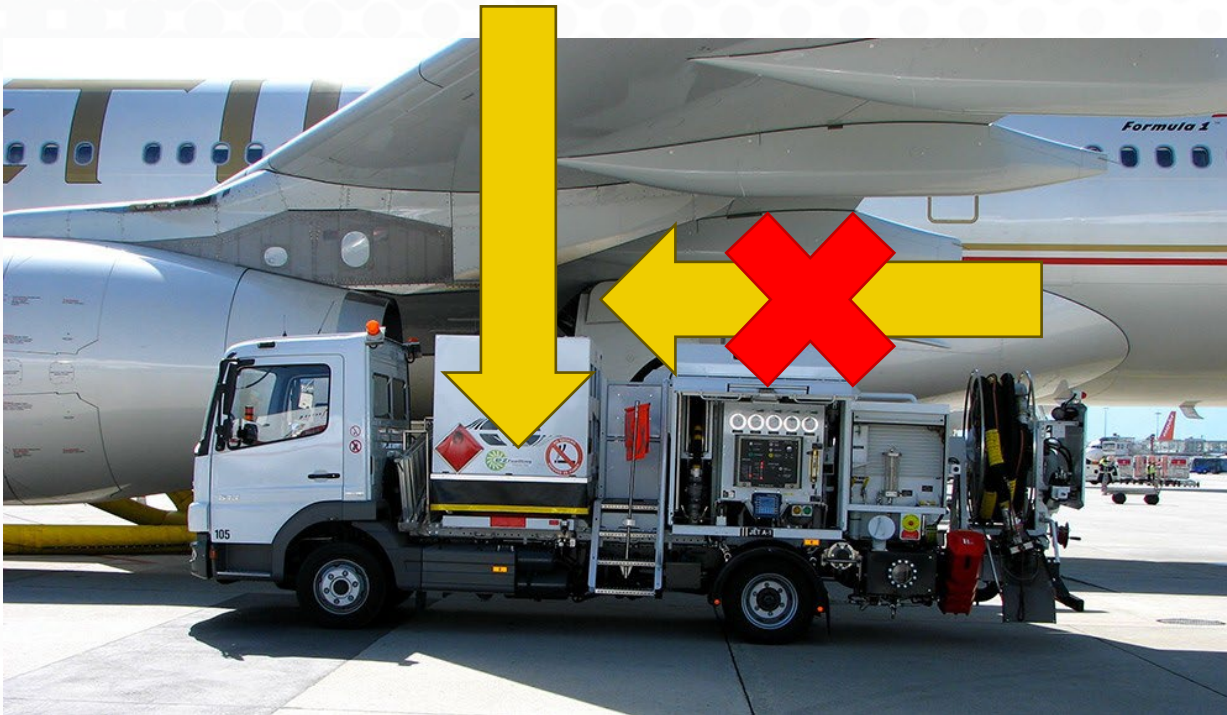
Significant changes

- Update of filtration technologies
 - Removal of Filter Monitor references
 - Inclusion of Water Barrier Filters (also for non-IP applications)
 - EWS delay up to 15 sec (before 5 sec)
 - Updated information regarding vessel de-rating, dp trending and membrane checks (flow rates)
- EI 1576 – Compliance required where Coupler Lift Assist Devices (CLADs) used
- Hydrant pit/inlet hose identification – Minimum requirements defined (example drawing included)



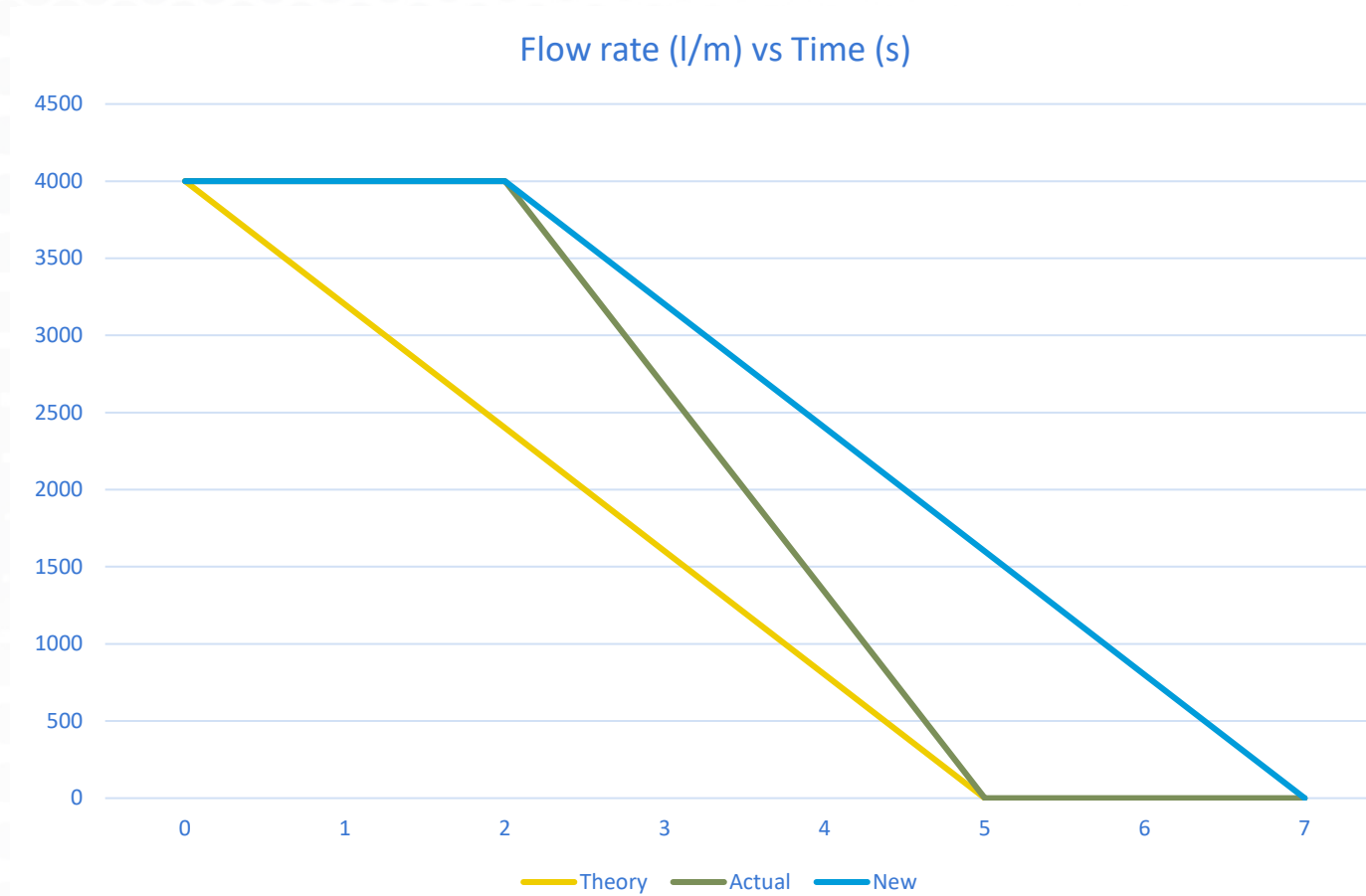
Significant changes

- Elevating platform wand sensors – clarification of design/testing requirements



Significant changes

- Deadman testing / performance requirements

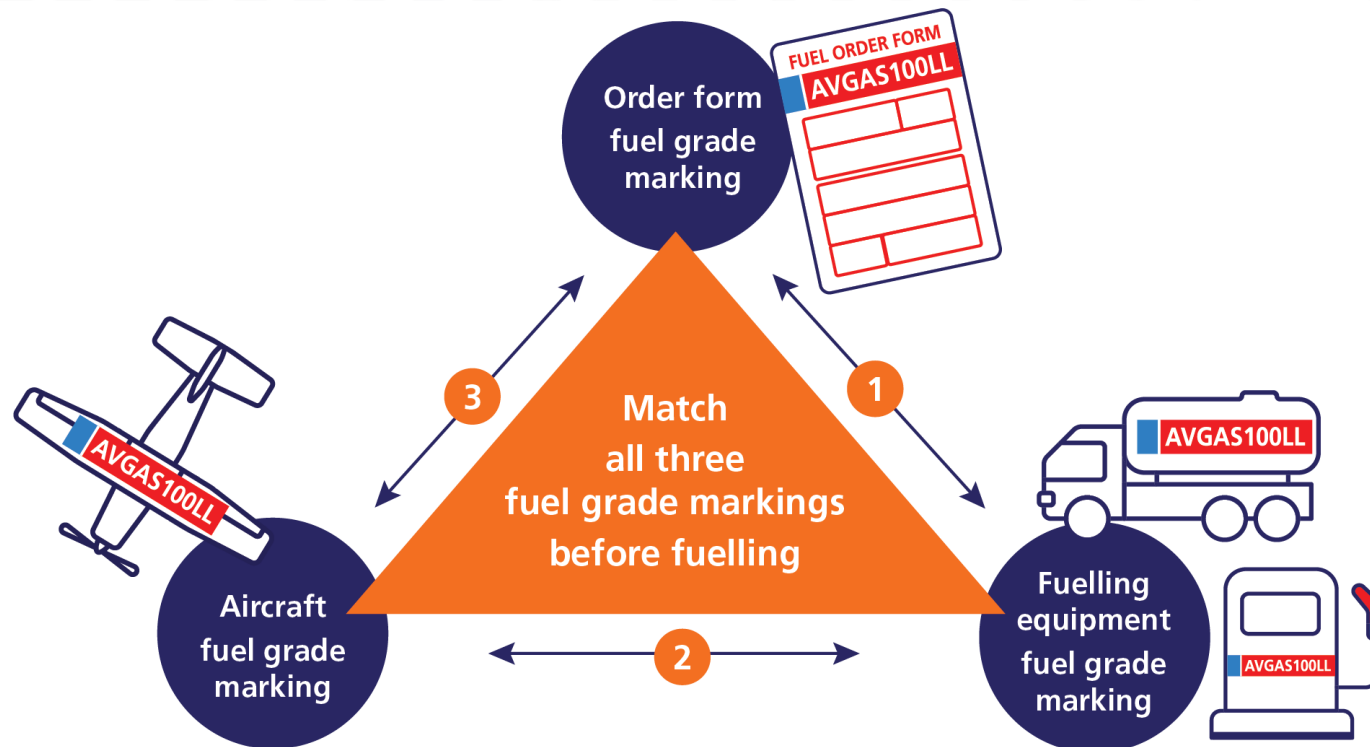


- Closing time (7 sec)
- Overrun limits updated (7% for > 2000 lpm)



Significant changes

- EI 1597 – Misfuelling prevention procedures –
‘3-way cross check’ replaces ‘2 from 3’ controls’

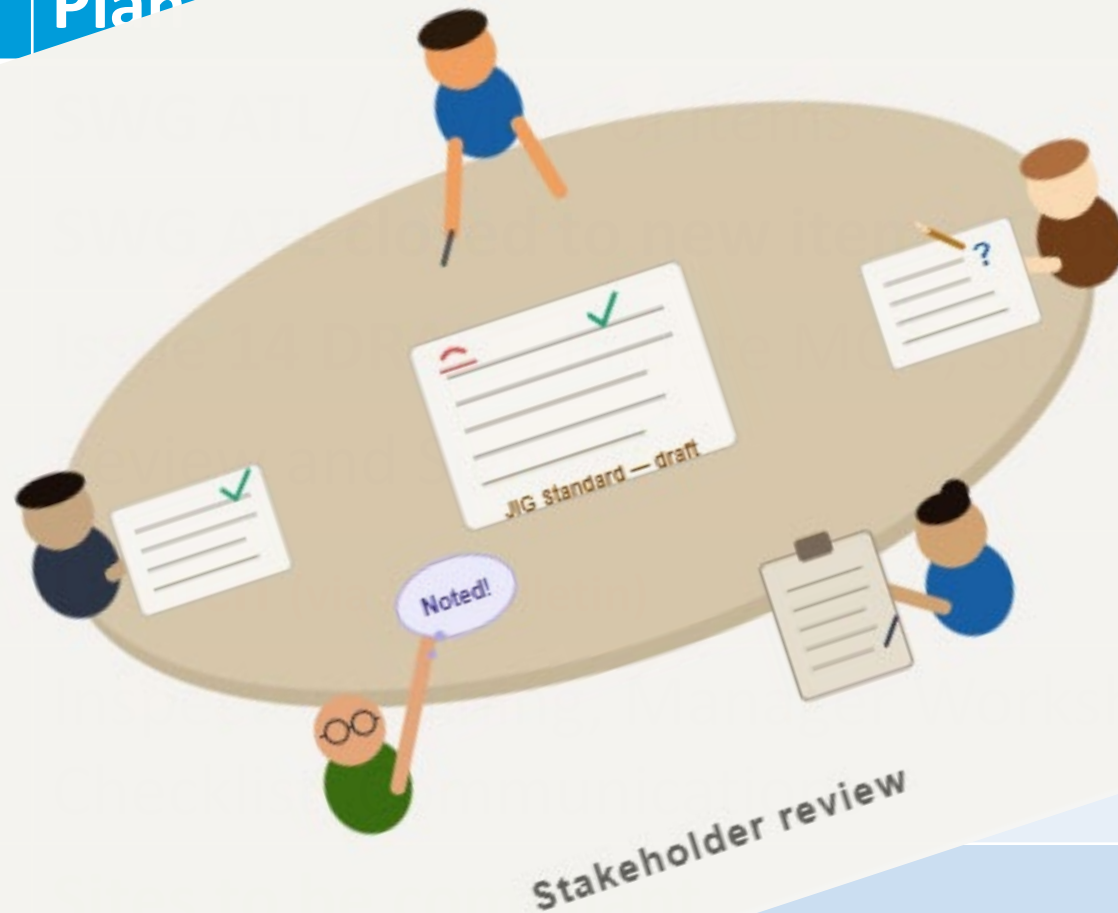


Significant changes

- Removal of;
 - ‘Out of Scope’ topics
 - Vehicle serviceability checks (e.g., tyres / spark arresters)
 - Repetition of basic requirements
 - ‘shall be trained and competent’
- HM 20 – Meter proving – Updates for digital registers and single flow rate meters
- Variance approval process – Throughputters included during variance development



Year	Plan
2021-2025	
End of 2025	Form on the website)
1Q → 3Q 2026	Stakeholders/Industry review
4Q 2026	
2027 (Jan)	
2027	Inspection
2028 (by Jan)	



Tools for your MOC – JIG Issue 14

Summary of Changes made to JIG 1 Issue 14

Section	Description	Change Type
Proving Tank	tank'. Terminology updated in section 4.9 to be consistent.	
Glossary – Proof test	Definition of 'Proof test' added.	Editorial
Glossary – Sample / Sampling	Definition of Sample / Sampling added.	Editorial
1.3	Deleted 'Recommendation' as part of definition for 'should'.	Editorial – Clarification
1.4	Clarification on application of JIG 4. 'Where an Avgas facility is operated within an operation handling jet fuel in accordance with the JIG 1 and / or JIG 2 standards the small Avgas facility may be operated to JIG 4, if the entity can effectively maintain compliance to the relevant standards.'	Editorial – Clarification
1.6	Readability improved. Variance review process clarified. Requirement for all sites participating in the JIG Inspection Programme to upload Variance on JIG Dashboard now shall (was should).	Mandatory – Existing Procedure
2.2	Requirement now 'If an employee cannot correctly identify the colour of aviation fuel and its related identification colour code, they shall <i>not perform tasks that require correct colour identification</i> .'	Mandatory – Existing Procedure
2.2.1	Clarified that flushing three times is for laboratory/retention samples.	Editorial – Clarification
2.3.3.2	Deleted 'Where further testing is required this may be performed on the sample drawn into the "visijar", but any equipment or accessories needed to complete the test shall only be inserted after the completion of the Visual Appearance Check.'	Editorial
2.3.3.5	Deleted 'and the pressure should be maintained at 30 to 35 psi'.	Simplification
2.3.3.5	Deleted 'All results shall be recorded and the membranes retained in accordance with retention requirements.'	Editorial
2.3.3.9	Refractometer method for FSII detection text simplified to improve readability.	Editorial
2.3.3	Table 2.3.3 - Clarified that CWD Check is only for Jet fuel.	Editorial – Clarification
3.1	Deleted reference to Appendix A18.	Editorial
3.1.1	Text simplified to clarify fuelling vehicle requirements. Deleted the statement 'meet the most stringent requirements of this Standard and applicable	Simplification

January 2027



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Summary of Changes made to JIG 1 Issue 14

Summary of Changes:

Mandatory – All Equipment, i.e. a mandatory requirement for all existing and new equipment

Mandatory – New Equipment, i.e. a mandatory requirement for new equipment

Mandatory – Existing Procedure, i.e. a mandatory change to an existing procedure

Mandatory – New Procedure, i.e. a mandatory new procedure

Good Practice, i.e. an industry good practice that may improve the operation

Editorial – Clarification, i.e. additional information to explain the requirements

Editorial, i.e. a change in the text that has no material change on a requirement

Simplification, i.e. a change in a requirement that makes the requirement easier to comply with



Questions?

