



# Inspections and Training Update

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# Inspector Training - some changes



# Why we needed to change the format of IJS Training

- High failure rate for Course Exam.
- High volume of Course Materials.
- Limited opportunities for delegate discussion.



Various new assessment methods used



Course re-focussed on training how to inspect



Technical Teaching is principally done through the online modules

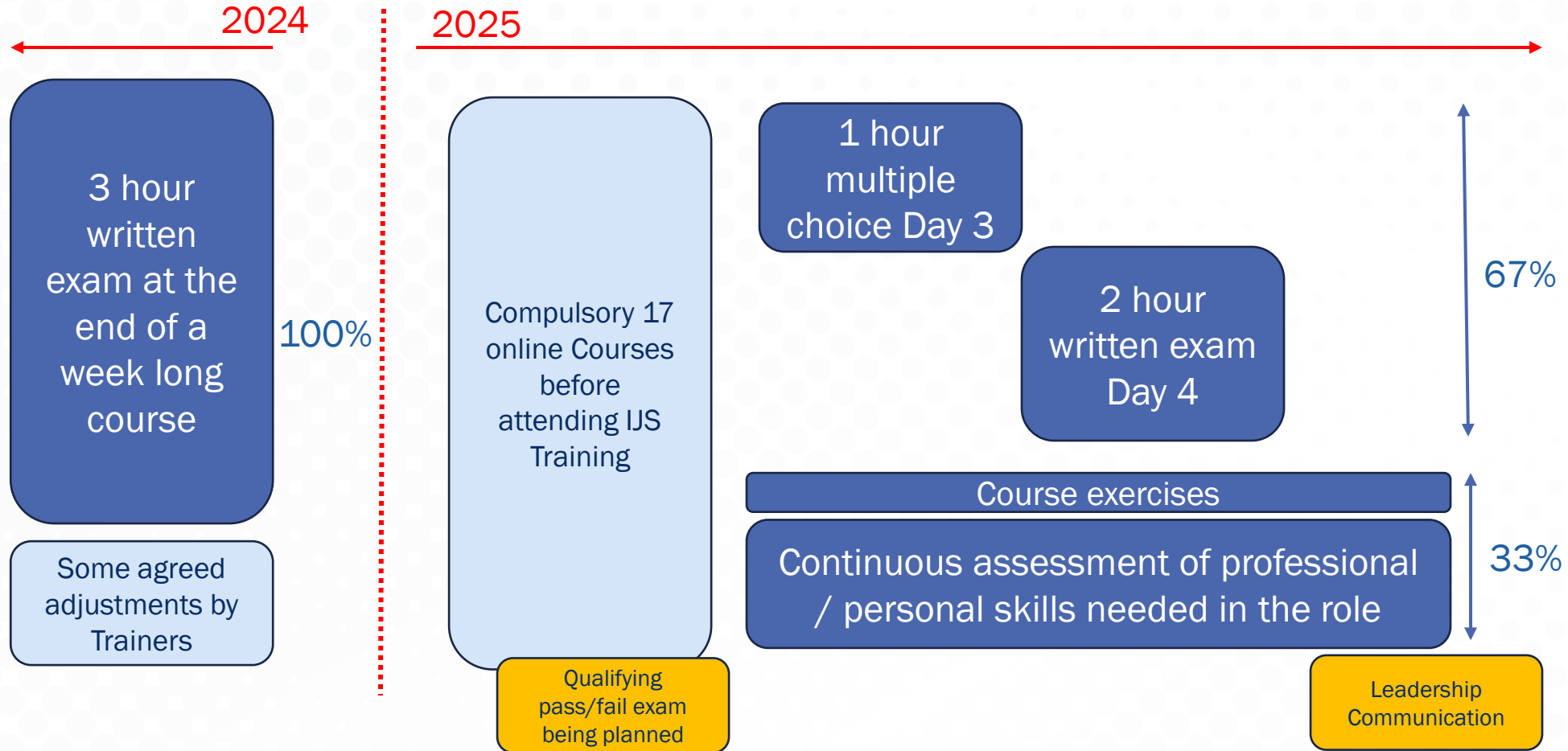


Workshop modules and Recommendations exercises now included

Changes validated by a training expert.



# New method of Candidate Evaluation



## JF1 - Product Quality and Certificates



Continue  
Course

**13** online basic  
knowledge  
courses

## IJS2 - Organising and Conducting a JIG Inspection

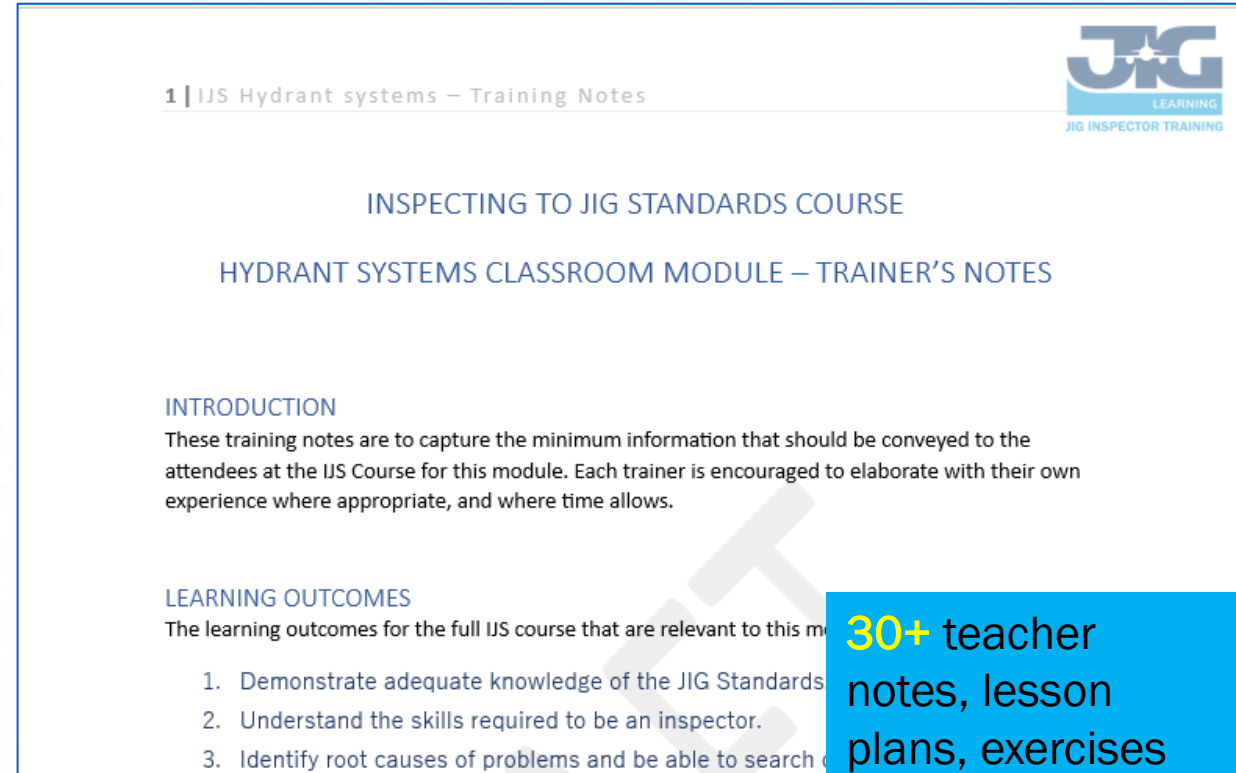


Learn More

**4** online  
specific  
inspector  
courses

Produced by JIG Tech Team with significant help from Contractors.  
Oversight by OpsCom and Inspector Training Working Group





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- Well received by Delegates
- Online Courses are vital to achieve the basic knowledge required
- Classroom modules delivered in an “easier to understand” way
- Workshop exercises reinforce learning process
- Recommendations practice improve trainees' performance in the exam
- Exam / Multiple-choice split removes pressure from delegates/trainers
- Non-native English people still challenged by the exam.



## TRAINERS

- Less time-pressure to deliver the lessons. Schedule was accurate.
- More engagement with the delegates.
- Structured competence matrix is a valuable addition.



# Developing the Trainer group



# INSPECTOR TRAINER WORKSHOP

## DAY 1

- INTRODUCTION
- THE TEACHING / LEARNING CYCLE
- LEARNING STYLES AND PREFERENCES
- TRAINING STRUCTURE AND DESIGN
- DIFFERENT TRAINING ASSESSMENTS
- APPLICATION TO PRACTICE

## DAY 2

- ROLES AND RESPONSIBILITIES OF TRAINERS
- TRAINING SKILLS AND COMMUNICATION
- RUNNING AND FACILITATING GROUP EXERCISE

## DAY 3

- PUTTING IT INTO PRACTICE  
(USING JIG INSPECTOR TRAINING MODULES)



# Changing the sign off process



# Why change?

Lack of clarity on what is expected

Quality of Accompanied inspections

Failure rate higher than desirable

Lack of clarity for peer reviewers

- Not enough clear guidance and standardisation for how much coaching/support Accompanying inspectors should give trainee inspectors during sign off inspections and subsequent report writing.
- Quality of sign off inspections variable with much responsibility attributed to the supervising Accompanying inspector
  - a. Variable quality reports submitted by the trainees
  - b. Comments which should be recommendations and vice versa
  - c. HP/NP incorrectly classified
  - d. Summaries incomplete
  - e. Assessment ratings apparently incorrect
- Figures for 2023/24 show a 30% failure rate in Accompanied inspections
- Provide the reviewing Peer Group with clear guidance on what the Accompanying Inspector is expected to do and at what level the Trainee's report should be.



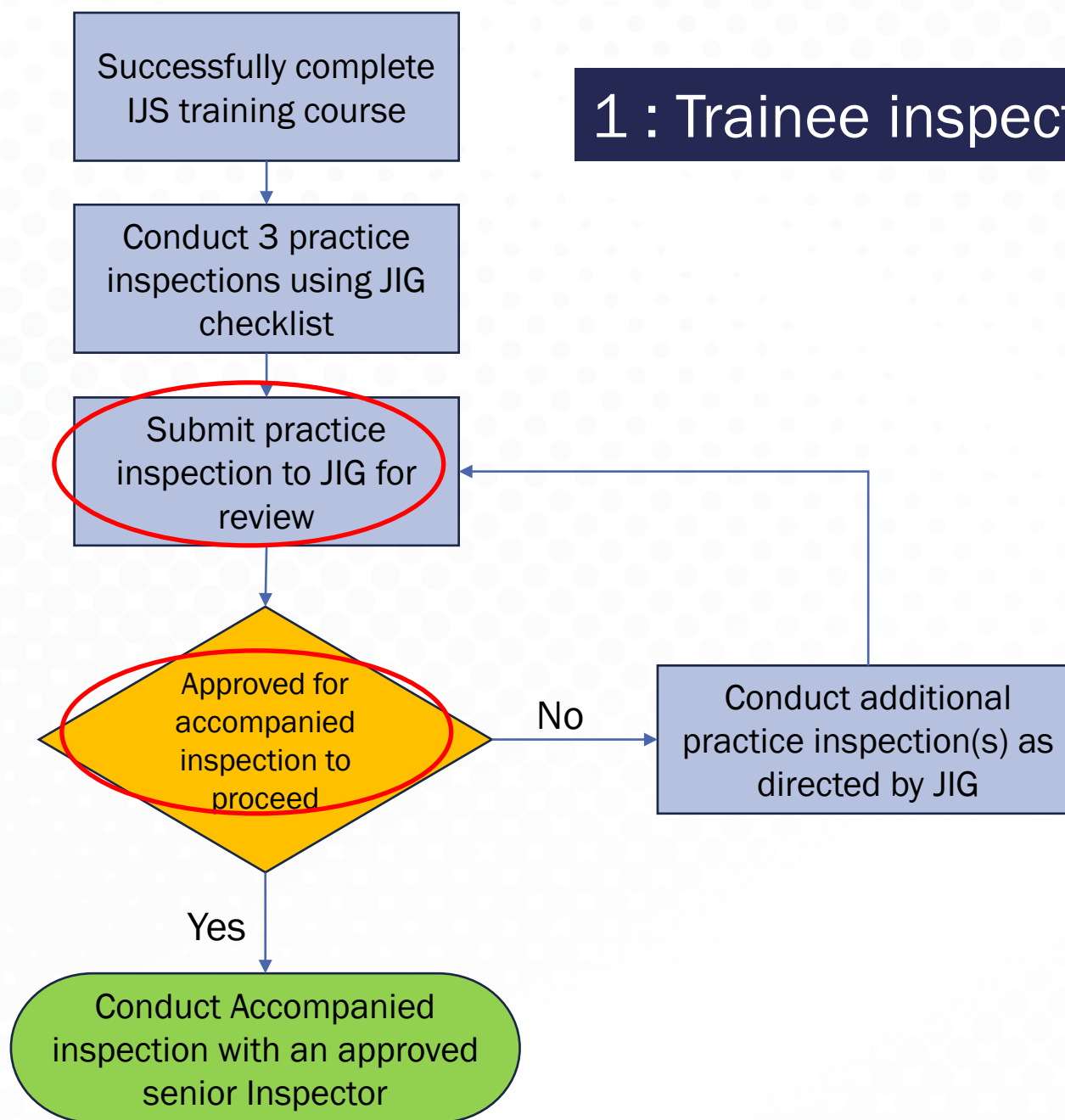
# Changes for Trainee Inspectors

## Enhanced support & Guidance from JIG

- Requirement to complete 3 practice inspections following attendance at the training course continues
- Final practice inspection shall be submitted to JIG
- JIG Technical team review of Inspection against standards described in training course
- JIG team provides feedback and coaching on report content
- JIG team gives permission for accompanied inspection to proceed or requires additional practice inspections



# 1 : Trainee inspector qualification process



# Changes for Senior Inspectors

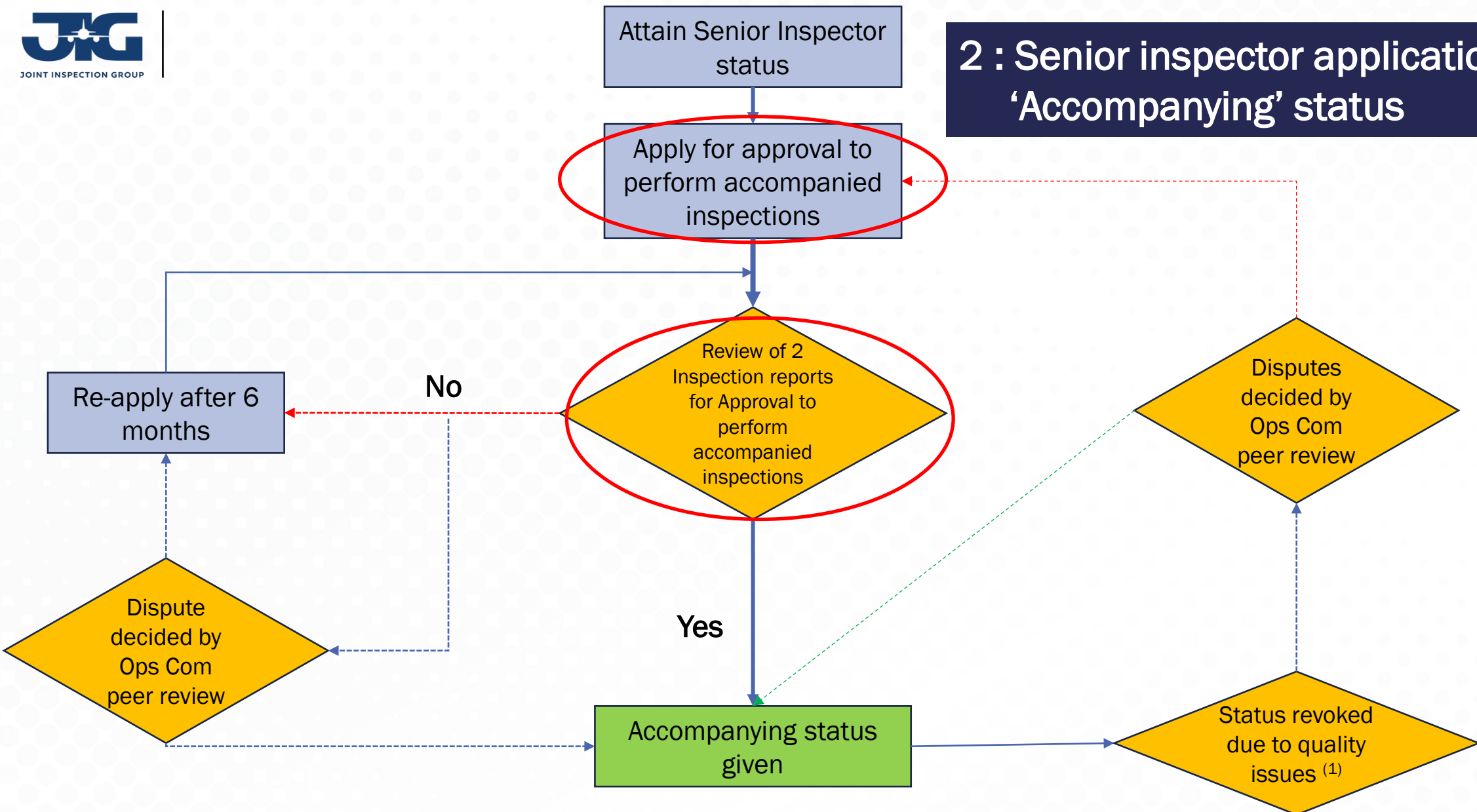
## Knowledge and capabilities of Accompanying inspectors

All current senior inspectors shall apply for accompanying status.

- Progression to Senior status remains automatic but no longer automatically confers the right to accompany trainee inspectors to sign-off inspections.
- All Senior inspectors wishing to provide sign-off support shall apply to JIG for Accompanying status before seeking to conduct the first accompanied inspection under this new process.
- Following a request for senior Accompanying status the JIG technical team shall review at least 2 of the Senior inspectors reports against the standards detailed in the Inspector training and if deemed to meet that standard approve the progression to senior Accompanying status.
- Criteria to achieve Senior Inspector status modified
  - JIG inspector for 5 years (or for 3 years but at least 15 inspections) AND 4 inspections over the past 5 years at hydrant and/or off- airport storage facilities.



## 2 : Senior inspector application for 'Accompanying' status



<sup>(1)</sup> Quality issues identified during submission process of trainee inspector sign-off reports.



# Quality checks on Accompanying Inspectors

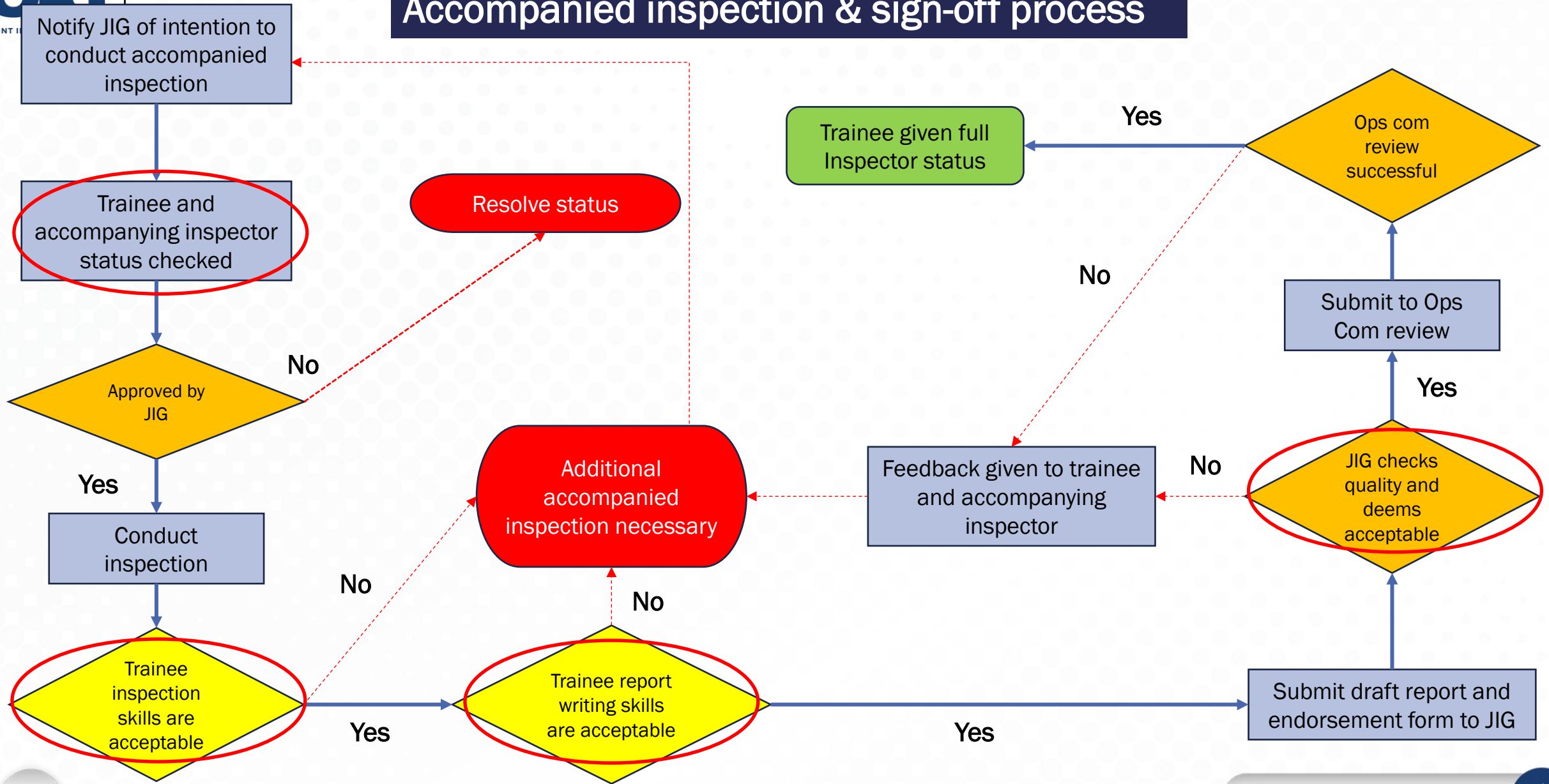
JIG will review all submissions before sending forward to peer review

Accompanying Inspectors assessed based upon their correct application of the process, not the actual quality of the report from the trainee.

- The Peer Review does not expect perfection, but rather a reliable report consistent with an individual who has just passed the sign-off for the first time.
- Minor errors will be excused, and any perceived failings raised with the Accompanying inspector by JIG.
- Accompanying inspectors failing to correctly apply the checkpoints or failing to fully complete the review and endorsement shall receive feedback from the JIG tech team.
- This may, if repeated, lead to suspension of the right to conduct sign-off inspections.



# Accompanied inspection & sign-off process

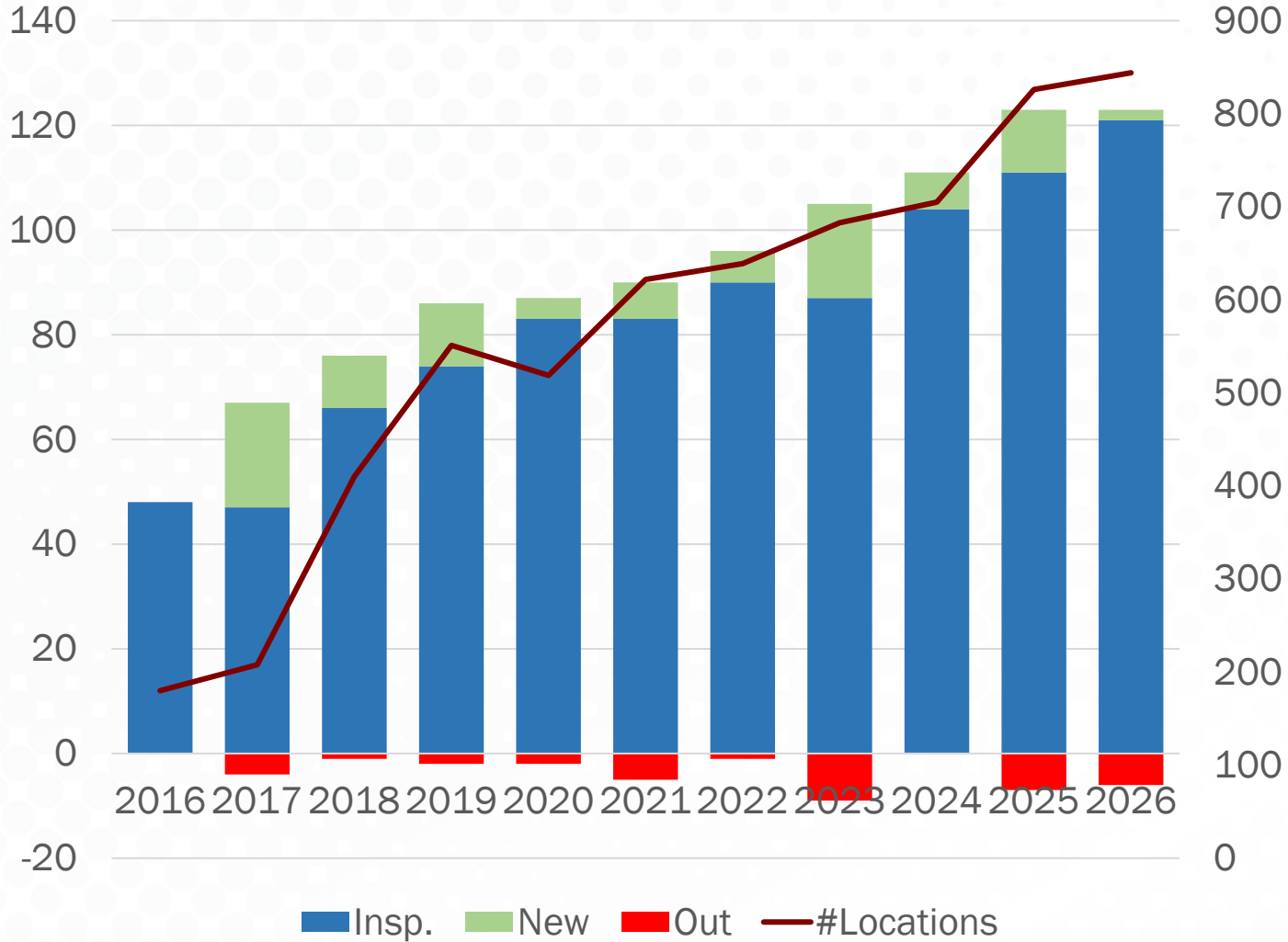


# Global Inspector coverage

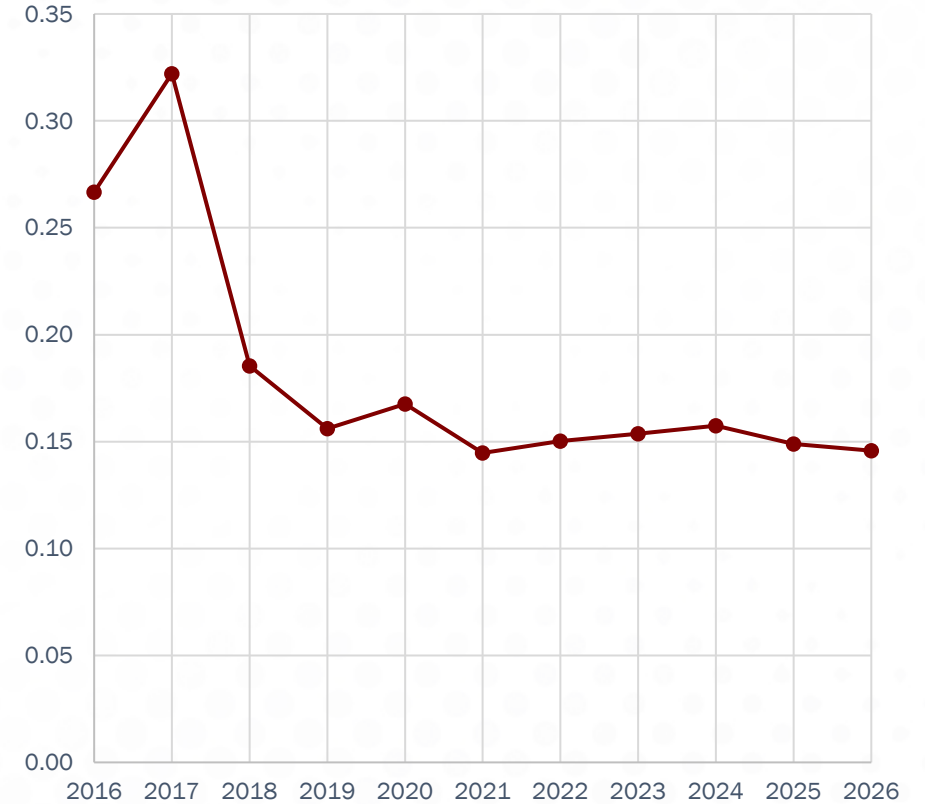


# Inspector numbers

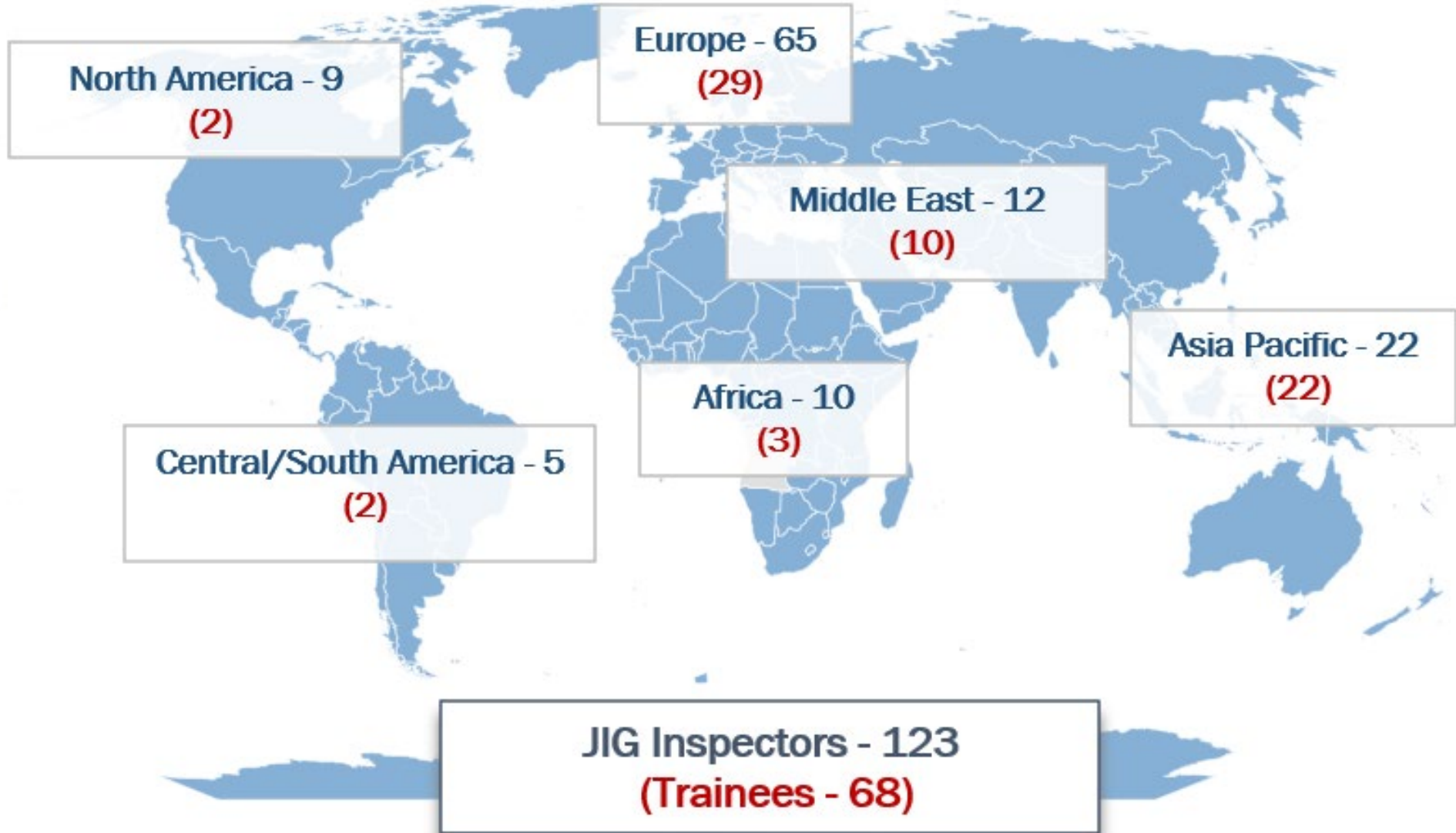
## # Active Inspectors



## No. Inspectors per Location



# Inspectors global spread



# IJS Courses



# Course planning and attendance

## 2025

17-21 March – Bangkok – **Complete**

23-27 June – Dublin - **Complete**

24-28 November – Athens - **Complete**

## 2026

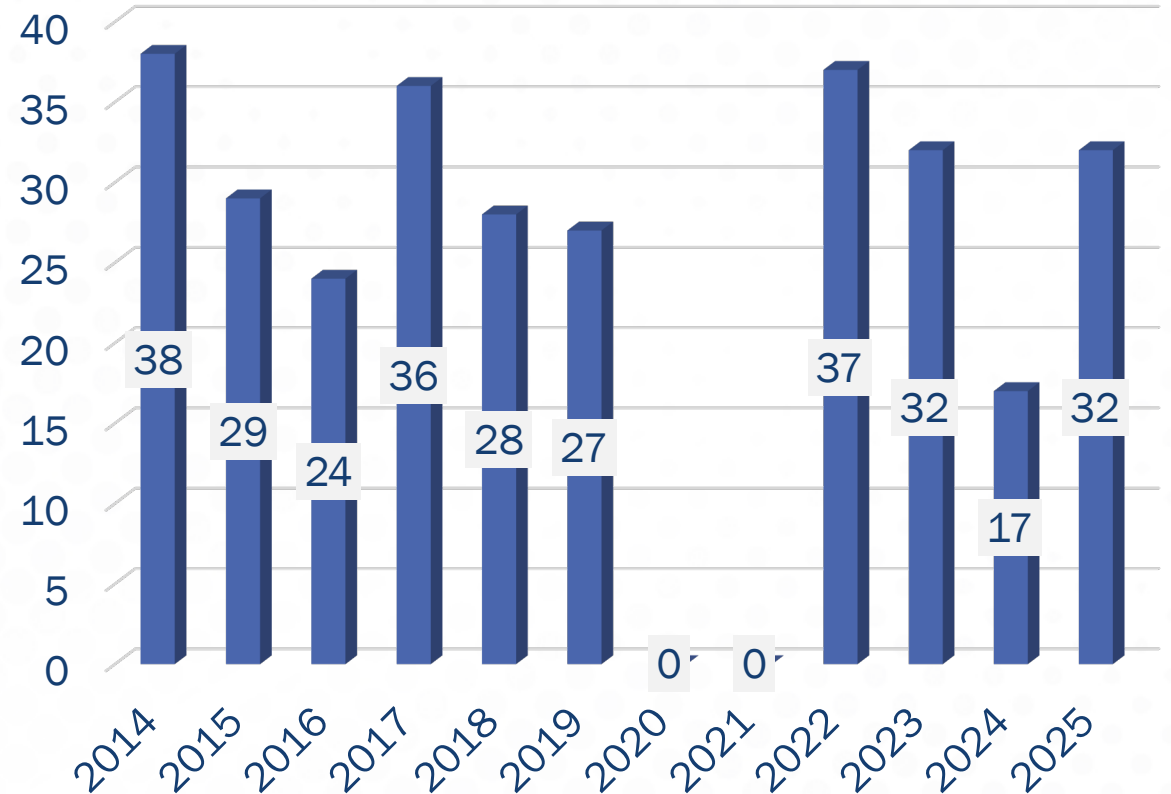
March – Istanbul - **cancelled**

15-19 June - Manchester

23-27 November – Bangkok

## 2027 - TBC

Trainee attendance per year



# JITS system and checklists





## Supply & Distribution (EI/JIG1530)

### January 2026

Inclusion of questions generated by EI1533

**EI/JIG 1530 STANDARD & EI 1533 Supplement (2nd Editions)**  
*[including requirements for handling synthetic components and semi-synthetic aviation fuels]*

**Checklist Version 2.2 (January 2026)**

**INSPECTION OF SUPPLY & DISTRIBUTION FACILITIES  
 IN ACCORDANCE WITH THE JIG INSPECTION PROGRAMME**

Location	
Facility (Refinery/Terminal/Pipeline Operator)	
Managing/Operating Company	
Name of inspector and company	
Date of visit	
Recommendations reviewed with	
Date of issue of this report	
Overall Assessment (see page 2 for definitions)	
Note if the assessment is Less than Satisfactory, the report shall be issued within 3 weeks of the inspection and a follow-up inspection shall be scheduled within the next 6 months.	
Last JIG inspection (name of company and date visited)	
Has a Tier 3 non-disclosure agreement been signed by all inspecting parties (where applicable)	
Have any items of a serious nature been communicated to all participants and the local manager without delay?	
Last external HSSE Management System Audit (by participant or consultant)	
Date of last revision to local/site operating procedures.	
Accompanied/Inspected/Inspected?	



## Approx 25 new questions

Section	Subsection	Questions	Question Code
B1: Receipt of SBC or Blending of SSJF	Receipt of SBC	9	B1RS-9RS
	Blending of SSJF	1	B10BS
	SBC Receipt and blending documentation	5	B12D-16D
B2: Storage facilities and procedures	Storing and handling SBC/SSJF	5	B2-41-45
B3: Manufacture or export of SBC	Manufacture of SBC	2	B3-M1-2
	Export of SBC	2	B3-E3-4
	SBC Manufacture and Export Documentation	5	B3-D5-9



Before filling the report, please verify that the location profile information is correct

Profile name

TMNL

- Receipt by Vessel
- Receipt by Road / Rail
- Receipt by Pipeline
- Delivery by Vessel
- Delivery by Road / Rail
- Delivery by Pipeline
- Receipt of SBC or blending of SSJF
- Manufacture or Export of SBC

Inspection type

- Self-Assessment
- On-Site Inspection

Verify



## JITS upgrades in the past year:

- Introduction of ‘parent/child’ functionality, which allows users to view the JITS data of affiliate companies (but only when opted in – not by default)
- Harmonisation of JITS & new Dashboard, and establishing a link (API) between the systems
- Merging Member + Operator entities into one single ‘company’, enabling better visibility of associated Users and Companies (for Coordinators and Site Managers)

## Coming upgrades

- Improvements to ‘Draft’ schedule – giving a dynamic “real time” view of next year’s schedule at any time, instead of existing read-only view which is only released Q4 Single sign-on functionality across JIG’s IT platforms



# Inspections data

## SUBMITTED REPORTS STATISTICS

This Year Previous Year

ALL JIG1/2 SD JIG4

AVG time for report submissions

17.9 days

AVG number of recommendations per report

9.4

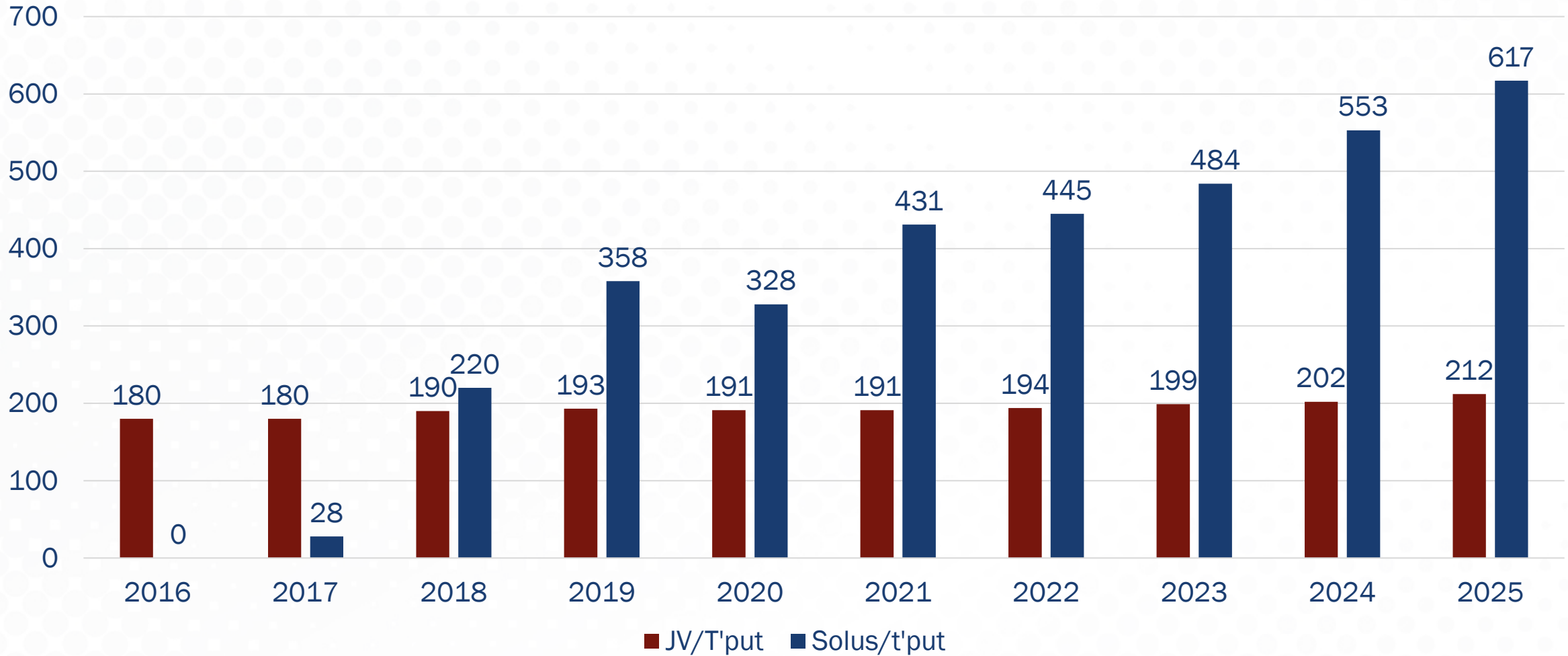
Checklist sections with most recommendations



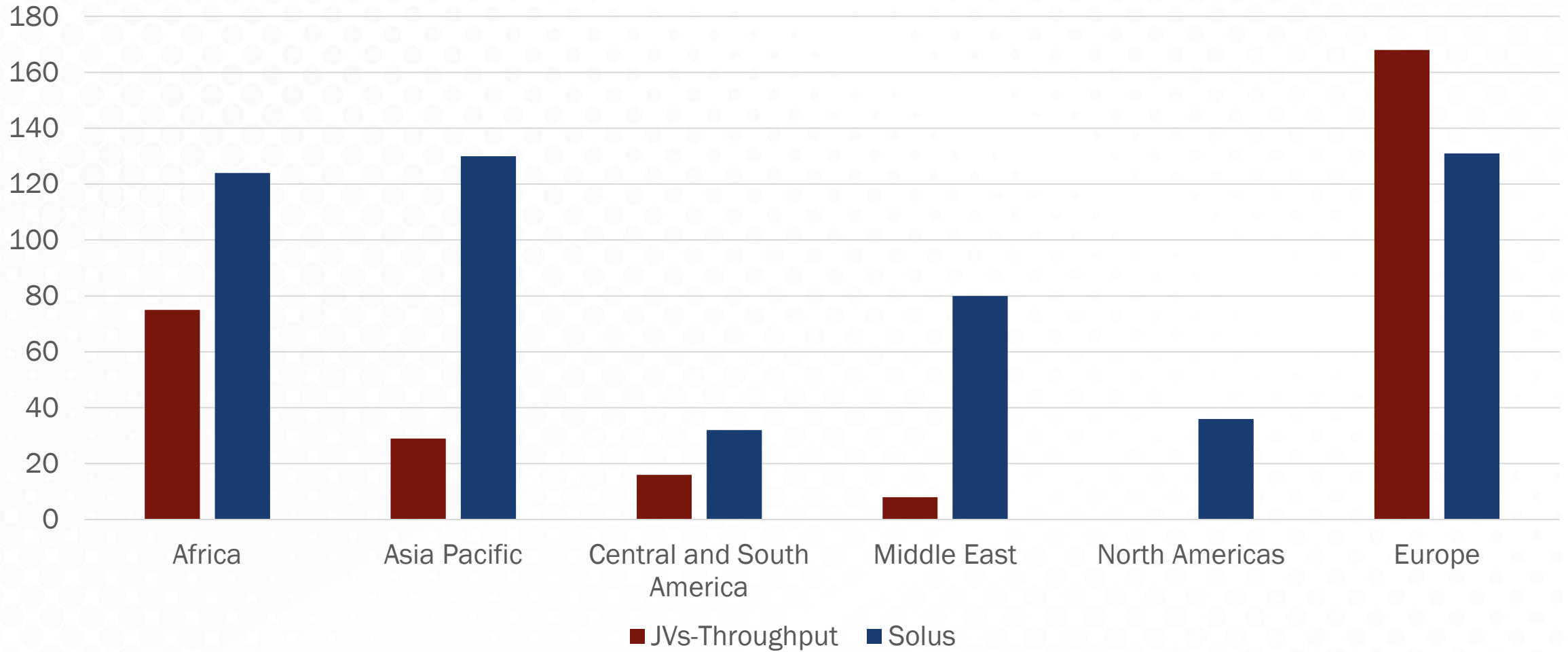
Most frequent Causes Identified



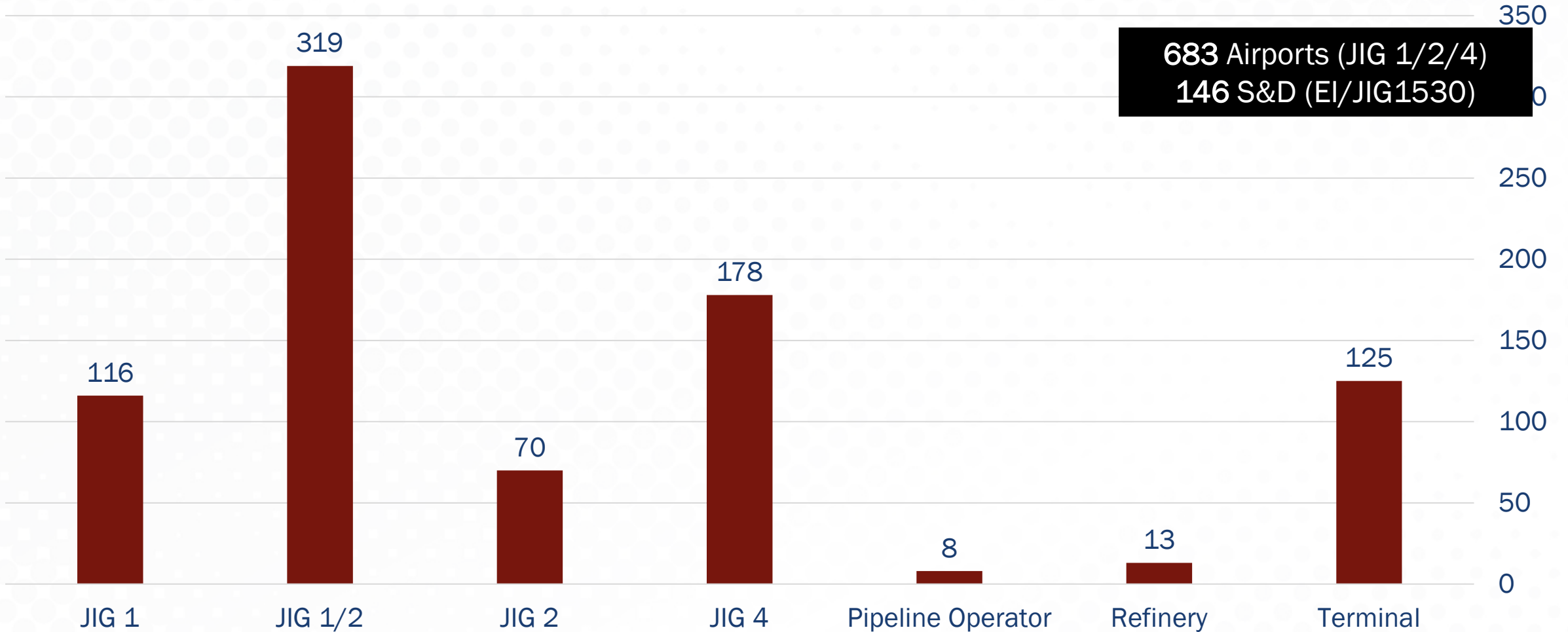
# JITS Membership – Year on Year



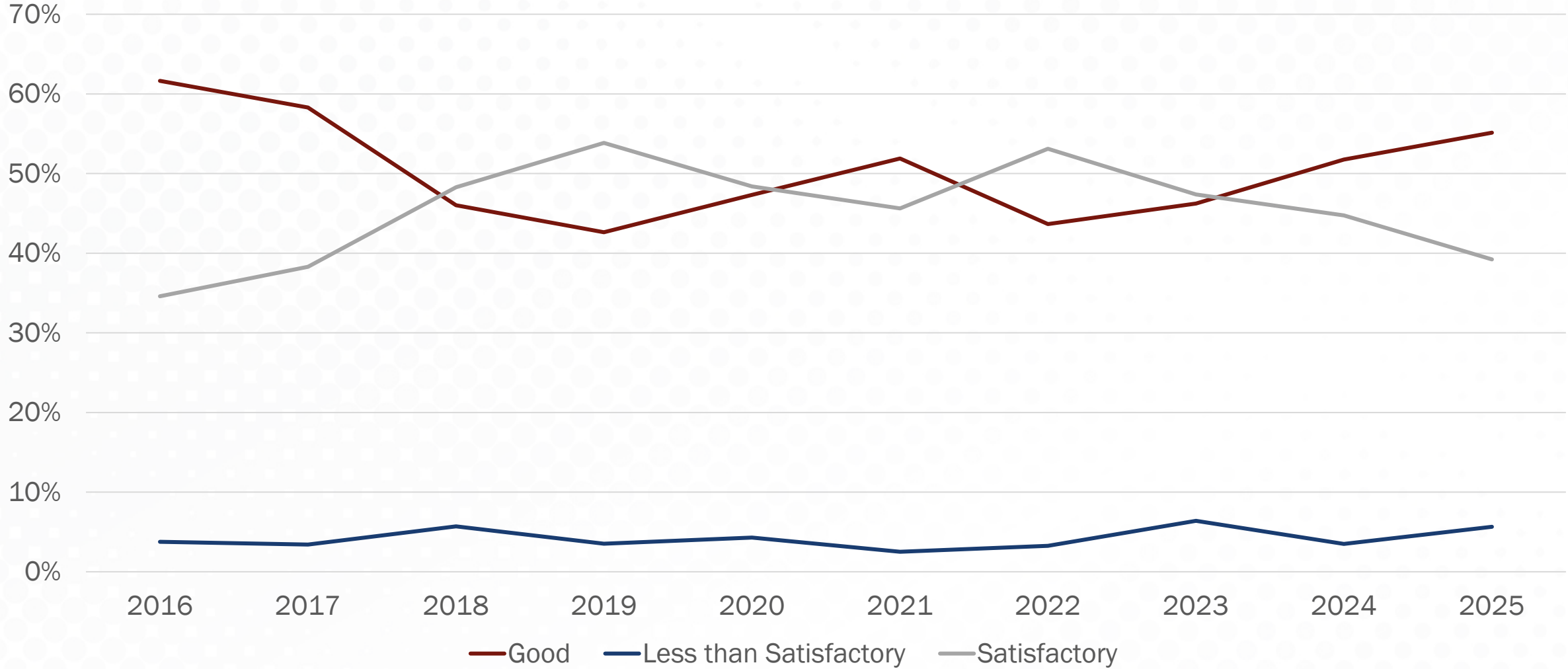
# JIG Membership - Region



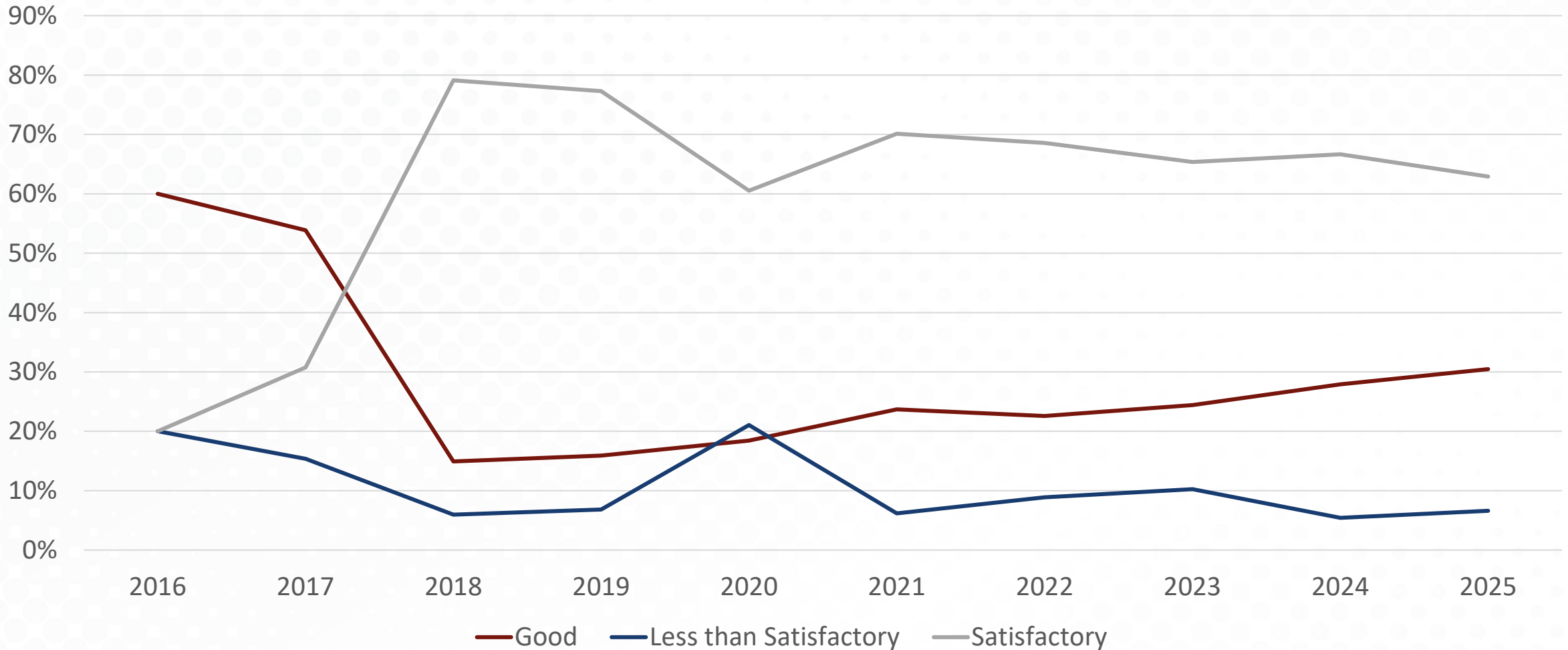
# Global Locations by Operation Profile



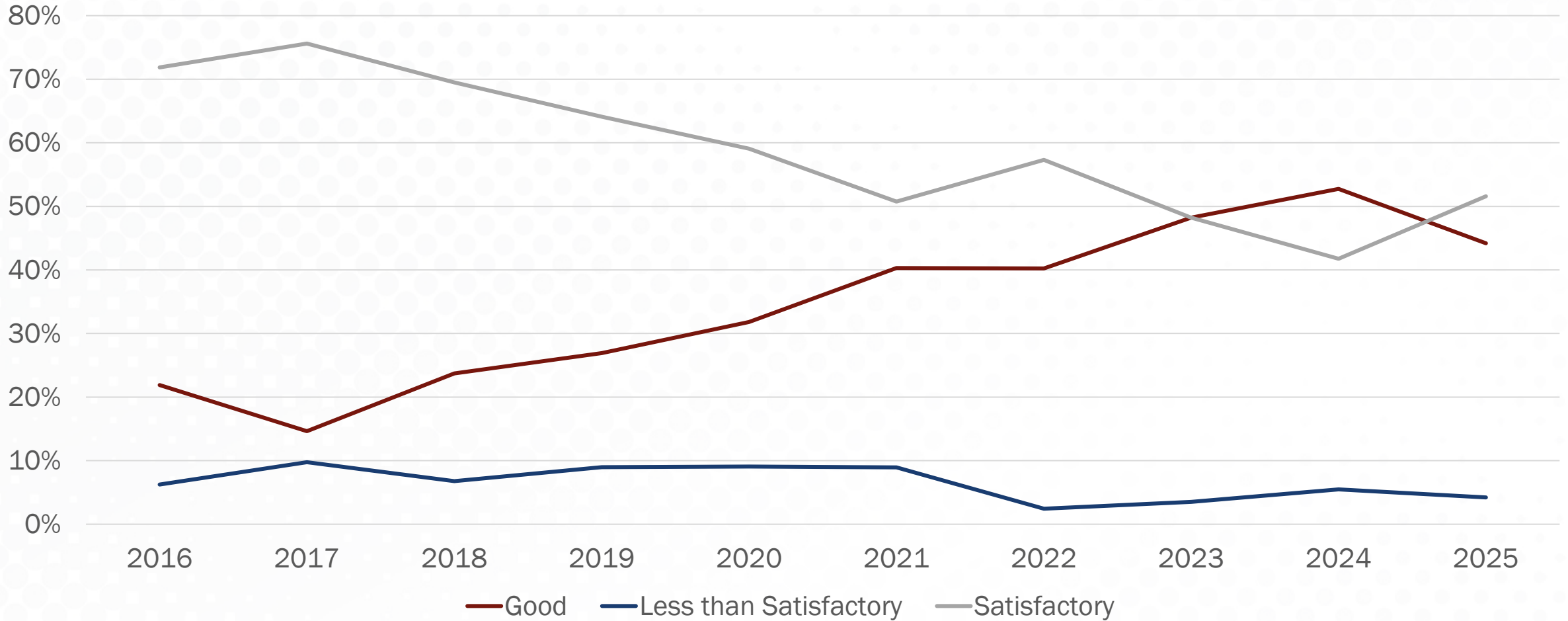
# Assessment Trends – JIG 1/2



# Assessment Trends – JIG 4



# Assessment Trends – EI/JIG 1530



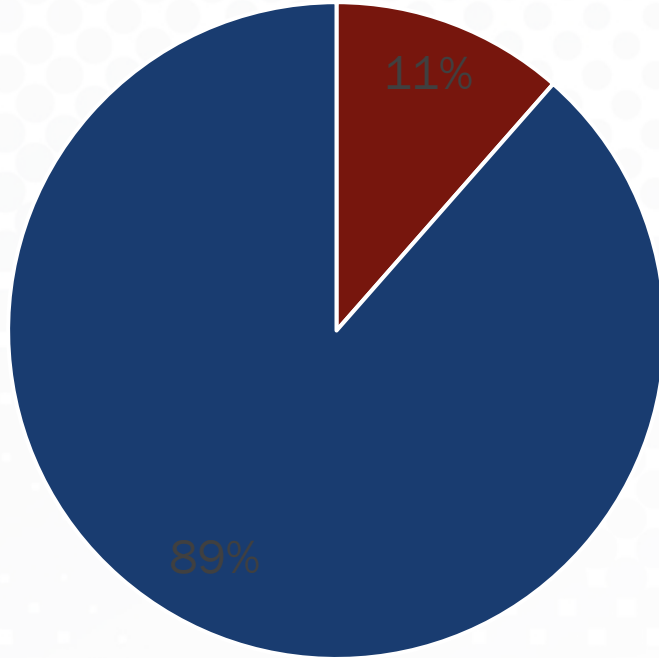
- 1. Sites active in the IJS programme for a long time tend to maintain or improve their performance.**
  - General trends in ratings confirm this
  - New entrants often enter at LTS and improve subsequently
- 2. Inspections are important to maintain standards**
  - Shown by LTS at sites previously Good or Sat



# Recommendations

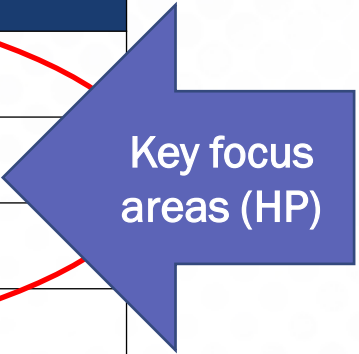


# High Priority Recommendations 2025 – JIG 1 & 2



■ High ■ Normal

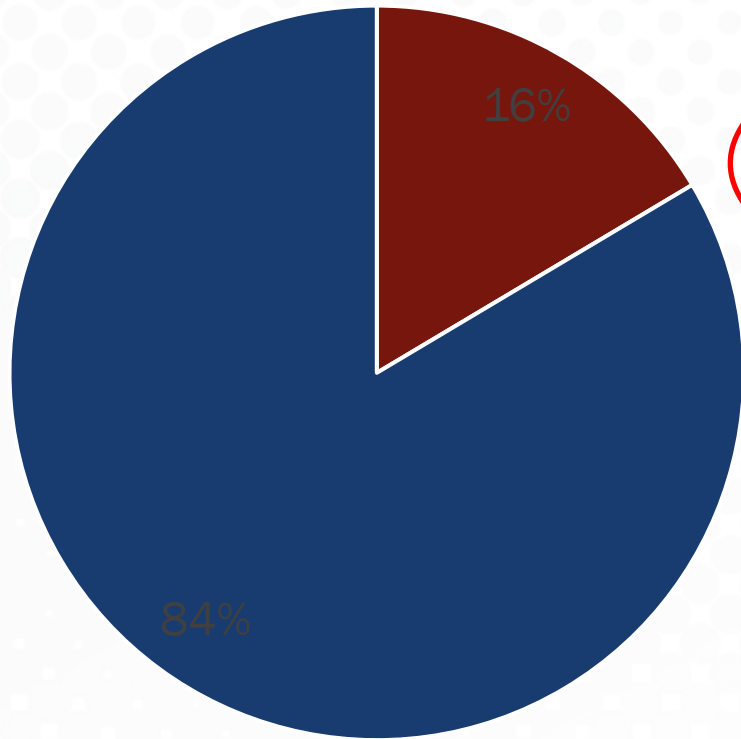
Section	No. high recs 2025
Into Plane	130
Storage	96
Loading	55
Filtration	53
Hydrant	31
Receipt	26
HSSE	24
Meters & Gauges	15
QC & Ops Standards	8
PQ Control & Certs	7



# Top 5 High Priority Findings – JIG 1 & 2

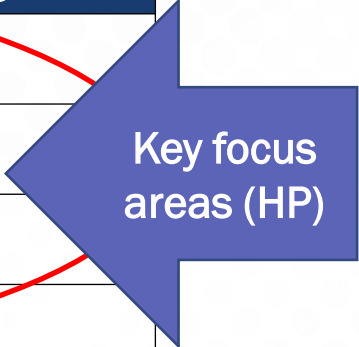
2023	2024	2025
Are elements in good condition?	Do filter vessels manufactured after 2013 have a plate indicating they meet the requirements of EI 1596?	Are elements in good condition?
Do filter vessels manufactured after 2013 have a plate indicating they meet the requirements of EI 1596?	Are elements in good condition?	Are pressure control system tests performed correctly and are results satisfactory?
Other Comments or Recommendations Storage Facilities and Procedures (Limit to C, R or NA)	Is elevating platform fitted with: at least two correctly located sensors? (wand-type sensors fitted diagonally opposite each other) Inspector to check function. Safe access and exit ladders/steps? Non-slip flooring? System to ensure the platform gate closes securely? An emergency exit or lowering device? Inspector to witness function check - required warning signs? Emergency engine stop, Inspector to check function	Is pressure test performed correctly and are results satisfactory? (Hose beads and spiral wraps shall be removed before testing. Wheel fittings shall be removed or loosened at least every two years)
Are pressure control system tests performed correctly and are results satisfactory?	Is general appearance (paintwork, signs of rust or leakage) satisfactory?	Is elevating platform fitted with: at least two correctly located sensors? (wand-type sensors fitted diagonally opposite each other) Inspector to check function. Safe access and exit ladders/steps? Non-slip flooring? System to ensure the platform gate closes securely? An emergency exit or lowering device? Inspector to witness function check - required warning signs? Emergency engine stop, Inspector to check function
Is elevating platform fitted with: at least two correctly located sensors? (wand-type sensors fitted diagonally opposite each other) Inspector to check function. Safe access and exit ladders/steps? Non-slip flooring? System to ensure the platform gate closes securely? An emergency exit or lowering device? Inspector to witness function check - required warning signs? Emergency engine stop, Inspector to check function	Are pressure control system tests performed correctly and are results satisfactory?	Other Comments or Recommendations Storage Facilities and Procedures (Limit to C, R or NA)

# High Priority Recommendations 2025 – JIG 4



■ High ■ Normal

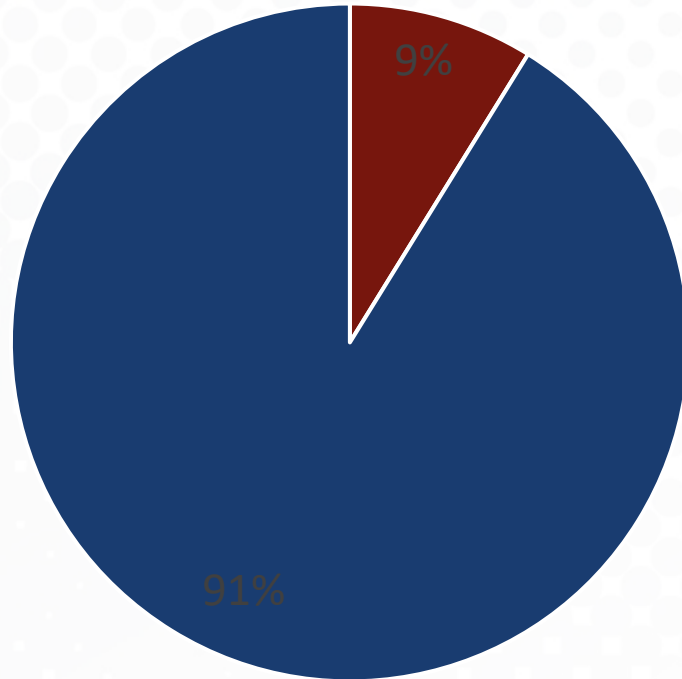
Section	No. high recs 2025
Into Plane	72
Storage	63
Filtration	40
Loading	31
Receipt	21
HSSE	13
Meters & Gauges	8
PQ Control & Certs	8
QC & Ops Standards	6
Hydrant	1



# Top 5 High Priority Findings – JIG 4

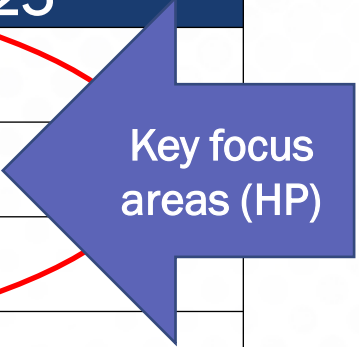
2023	2024	2025
Other comments or recommendations Storage Facilities and Procedures (Limit to C, R or NA)	Other comments or recommendations Storage Facilities and Procedures (Limit to C, R or NA)	Are tanks fitted with overfill prevention systems in accordance with the minimum requirements set out in JIG 4 4.2.5?
Are permits issued by authorized person(s)?	Is general appearance (paintwork, signs of rust or leakage) satisfactory?	Do tank records include: - Water free certification - Release documentation including local batch number, date, time and authority to release product? Other Comments or Recommendations
Are tanks fitted with overfill prevention systems in accordance with the minimum requirements set out in JIG 4 4.2.5?	Are tanks fitted with overfill prevention systems in accordance with the minimum requirements set out in JIG 4 4.2.5?	Is general appearance (paintwork, signs of rust or leakage) satisfactory?
Internal inspection and cleaning (annual visible inspection without entry). Are detailed tank records maintained for the internal condition and other observations?	Are road tank/rail car receipt areas constructed of a low permeability material and do the areas have a positive slope and drainage to suitable containment?	Other comments or recommendations Storage Facilities and Procedures (Limit to C, R or NA)
Weekly graphs of differential pressure (dP) readings?	Are readily available written response procedures in place for for emergencies relevant to the activities of the facility, such as::	Is there an effective water draining / flush system on all storage tanks?

# High Priority Recommendations 2025 – EI/JIG 1530



■ High ■ Normal

Section	No. high rees 2025
Storage	24
Filtration	16
HSSE	7
PQ Control & Certs	7
QC & Ops Standards	4
Loading	4
Receipt	2





# Top 5 High Priority Findings – EI/JIG 1530

2023	2024	2025
Is there an effective water draining / flushing / sampling system on all storage tanks? Are tank-side fast flush tanks facilities of suitable design?	Is there an effective water draining / flushing / sampling system on all storage tanks? Are tank-side fast flush tanks facilities of suitable design? Is the drain line	Is there an effective water draining / flushing / sampling system on all storage tanks? Are tank-side fast flush tanks facilities of suitable design? Is the drain line
Do filter vessels meet the requirements of EI 1596 and have all existing filter vessels been assessed against the requirements of EI 1596?	Other Comments or Recommendations filtration equipment (R, C or NA)	Is flushing and sampling carried out at full flow? Are Visual Appearance / Control Checks carried out correctly? As a minimum, are tank low points flushed of free water and sediment: - before receipt - after settling; - before putting tank on delivery, - daily when on delivery, and - weekly if not on delivery?
Are written pre-planned response procedures in place for: Equipment breakdown affecting ability to operate? Power failure? Product spillage? Serious injury to staff, contractors or third parties? Terrorist actions, bomb warning, civil disturbance etc.? Fuel quality problems? Fire? Stock shortages? Large scale health risks (e.g. communicable diseases). Is there evidence that personnel have been made aware of the contents relevant to them?	Other Comments or Recommendations storage facilities and procedures	Are storage tanks tested for MBG in accordance with 9.5.2/Tables 13-14? Where there are indications of likely microbiological activity, are they immediately investigated, including by on-site assay tests carried out on low point drain samples of jet fuel using a suitable test kit?
Are elements in good condition? All elements (coalescers and separators) from the same manufacturer? Inspector to comment on any visible damage or signs of possible surfactant contamination or microbiological growth and action taken: Separator elements shall be removed for water test.	Are elements in good condition? All elements (coalescers and separators) from the same manufacturer? Inspector to comment on any visible damage or signs of possible surfactant contamination or microbiological growth and action taken: Separator elements shall be removed for water test.	Are tanks fitted with high level alarm systems as a minimum? Where required (vessel or pipeline supply) are storage tanks equipped with a separate (high-high) level shut off system that stops the fuel flow at a predetermined level? Is any relaxation to these requirements supported by documented risk assessments to demonstrate acceptability of relaxed procedures?
Is flushing and sampling carried out at full flow? Are Visual Appearance / Control Checks carried out correctly? As a minimum, are tank low points flushed of free water and sediment: - before receipt - after settling; - before putting tank on delivery, - daily when on delivery, and - weekly if not on delivery?	Is flushing and sampling carried out at full flow? Are Visual Appearance / Control Checks carried out correctly? As a minimum, are tank low points flushed of free water and sediment: - before receipt - after settling; - before putting tank on delivery, - daily when on delivery, and - weekly if not on delivery?	Do training records include: • HSE awareness and skills training? Regular Operating and QC training? Fire-fighting training? Fire drills and emergency procedure exercises? Follow up on-the-job observation training? Do training records include details of theoretical and practical content and how competency is assessed and signed off for both initial and refresher training when required?

# HP Recommendation Conclusions

- High priority findings show that some critical non-compliances
  - Platform sensors
  - Flushing and sampling equipment and procedures
  - Filtration
  - Tank Overfill prevention
- Recurring subjects for 2 or 3 years may reveal gaps in training & competence.
  - Pressure control testing
  - Hose pressure testing
  - Platform sensor checks
  - Flushing and sampling procedures
  - Tank inspection
- Care should be taken to quickly close these gaps.
- Danger that below-par facilities and procedures become too familiar and accepted as the norm.
- Whilst investment in assets can be challenging and take time, improvements are available in training and procedural areas.



**7** Lack of resources



**3** Lack of knowledge



**JIG Inspections are one of the most important global inspection programmes in Aviation Fuel operations**

**Data generated drives standards development & guidance material:**

- **EI1596 Compliance checklist**
- **TID hose pressure testing**
- **TID Sampling**
- **Overfill prevention requirements in JIG standards.**
- **Fueller loading pre-check requirements**
- **Design/testing requirements for elevating platform sensors.**



# Thank you! Questions?



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