HSSE COMMITTEE UPDATE

Gianni Allegretta
ENI, HSSE Committee Chair

Meet the committee

HSSE COMMITTEE

The work of the HSSE Committee

Find out more

GIOVANNI ALLEGRETTA - CHAIR

Enilive S.p.A.

Find out more

ALEXANDER QUELLE

Shell Aviation

Find out more

KYRIAKOS GENNADIS

OFC Aviation Fuel Services

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ROBERT FINCH

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LAURA FORNASIERO

Levorato Marcevaggi

Find out more

2025 – ACTIVITY

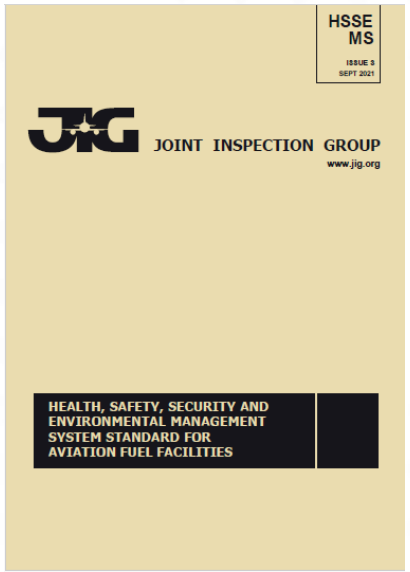
Agenda

1. Future changes
2. HSSE resources
3. Ramp Safety Campaign
4. On-going work
5. Control of Work

1 Future changes

Update JIG HSSE MS Standard

The aim is to review the Standard to improve understanding of minimum requirements



Next issue

JIG HSSE MS Requirements

- The JIG HSSE Management System (MS) Standard describes the minimum expectations with which Operator and User shall manage their own HSSE MS

- Entities (Operator and User) that operate in accordance with JIG1, JIG2 or EI/JIG 1530 and are inspected in accordance with the JIG Inspection Programme (JITS and IJS), shall meet as a minimum, the requirements of the JIG HSSE MS and shall be externally audited against the JIG HSSE MS Standard requirements at least every 3 years

HSSE MS Requirements (cont'd)

- Other entities handling aviation fuels and using the above JIG Standards shall implement and maintain an equivalent HSSE MS that seeks to proactively improve HSSE performance in preventing injury, ill-health, environmental and security impacts."

- The minimum expectations for entities operating in accordance with JIG4 are contained in chapter 2 of that standard.

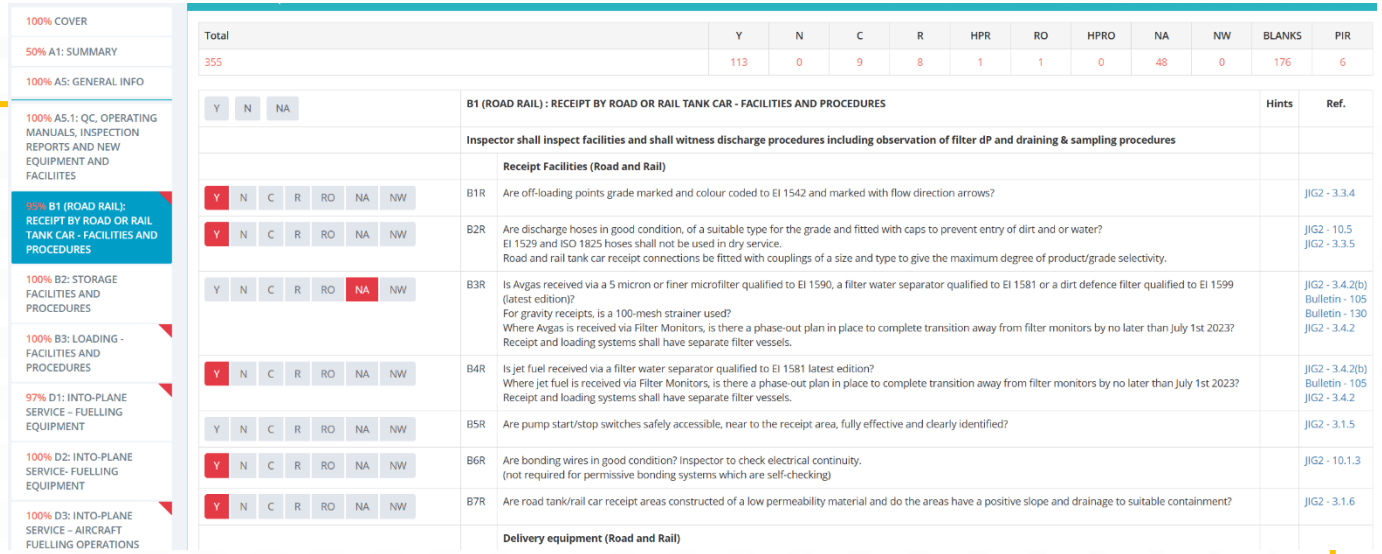
To avoid confusion, it is clarified that Companies that follow their own Corporate HSSE MS have to demonstrate its equivalence. Some Stakeholders incorrectly interpret that JIG Member should use HSSE MS only.

HSSE MS Audit

1. Previously available in old Dashboard (word / online).
   - Limited questions
   - No analytical ability
2. Will be moved to JITS as a separate Audit type, with improved design:
   - Are key elements are in place?
   - Are the elements effective?
   - Contributing factors for shortfalls.
   - Simplification to NP and HP findings

HSSE MS Audit (cont'd)

- HSSE 3-yearly external audit
- Review HSSE questions in JITS Checklist format



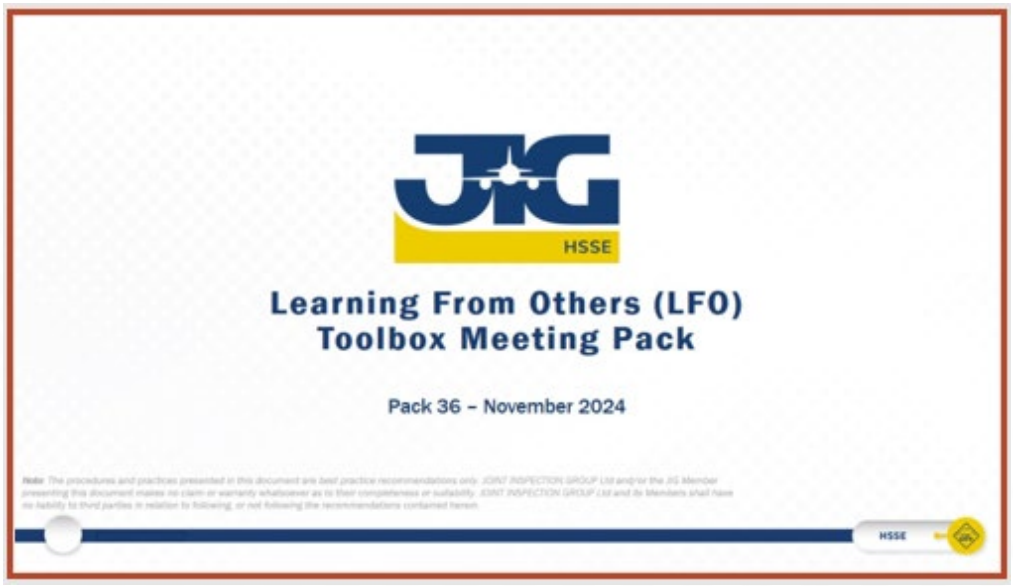
100% COVER
50% A1: SUMMARY
100% A5: GENERAL INFO
100% A5.1: QC, OPERATING MANUALS, INSPECTION REPORTS AND NEW EQUIPMENT AND FACILIITES
95% B1 (ROAD RAIL): RECEIPT BY ROAD OR RAIL TANK CAR - FACILITIES AND PROCEDURES
100% B2: STORAGE FACILITIES AND PROCEDURES
100% B3: LOADING - FACILITIES AND PROCEDURES
97% D1: INTO-PLANE SERVICE – FUELLING EQUIPMENT
100% D2: INTO-PLANE SERVICE- FUELLING EQUIPMENT
100% D3: INTO-PLANE SERVICE – AIRCRAFT FUELLING OPERATIONS

Total	Y	N	C	R	HPR	RO	HPRO	NA	NW	BLANKS	PIR
355	113	0	9	8	1	1	0	48	0	176	6

		B1 (ROAD RAIL) : RECEIPT BY ROAD OR RAIL TANK CAR - FACILITIES AND PROCEDURES	Hints	Ref.
		Inspector shall inspect facilities and shall witness discharge procedures including observation of filter dP and draining & sampling procedures		
		Receipt Facilities (Road and Rail)		
Y N C R RO NA NW	B1R	Are off-loading points grade marked and colour coded to EI 1542 and marked with flow direction arrows?		JIG2 - 3.3.4
Y N C R RO NA NW	B2R	Are discharge hoses in good condition, of a suitable type for the grade and fitted with caps to prevent entry of dirt and or water? EI 1529 and ISO 1825 hoses shall not be used in dry service. Road and rail tank car receipt connections be fitted with couplings of a size and type to give the maximum degree of product/grade selectivity.		JIG2 - 10.5 JIG2 - 3.3.5
Y N C R RO NA NW	B3R	Is Avgas received via a 5 micron or finer microfilter qualified to EI 1590, a filter water separator qualified to EI 1581 or a dirt defence filter qualified to EI 1599 (latest edition)? For gravity receipts, is a 100-mesh strainer used? Where Avgas is received via Filter Monitors, is there a phase-out plan in place to complete transition away from filter monitors by no later than July 1st 2023? Receipt and loading systems shall have separate filter vessels.		JIG2 - 3.4.2(b) Bulletin - 105 Bulletin - 130 JIG2 - 3.4.2
Y N C R RO NA NW	B4R	Is jet fuel received via a filter water separator qualified to EI 1581 latest edition? Where jet fuel is received via Filter Monitors, is there a phase-out plan in place to complete transition away from filter monitors by no later than July 1st 2023? Receipt and loading systems shall have separate filter vessels.		JIG2 - 3.4.2(b) Bulletin - 105 JIG2 - 3.4.2
Y N C R RO NA NW	B5R	Are pump start/stop switches safely accessible, near to the receipt area, fully effective and clearly identified?		JIG2 - 3.1.5
Y N C R RO NA NW	B6R	Are bonding wires in good condition? Inspector to check electrical continuity. (not required for permissive bonding systems which are self-checking)		JIG2 - 10.1.3
Y N C R RO NA NW	B7R	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?		JIG2 - 3.1.6
		Delivery equipment (Road and Rail)		

LFO PACK

Potential format change to improve end-users' discussion (toolbox talk)

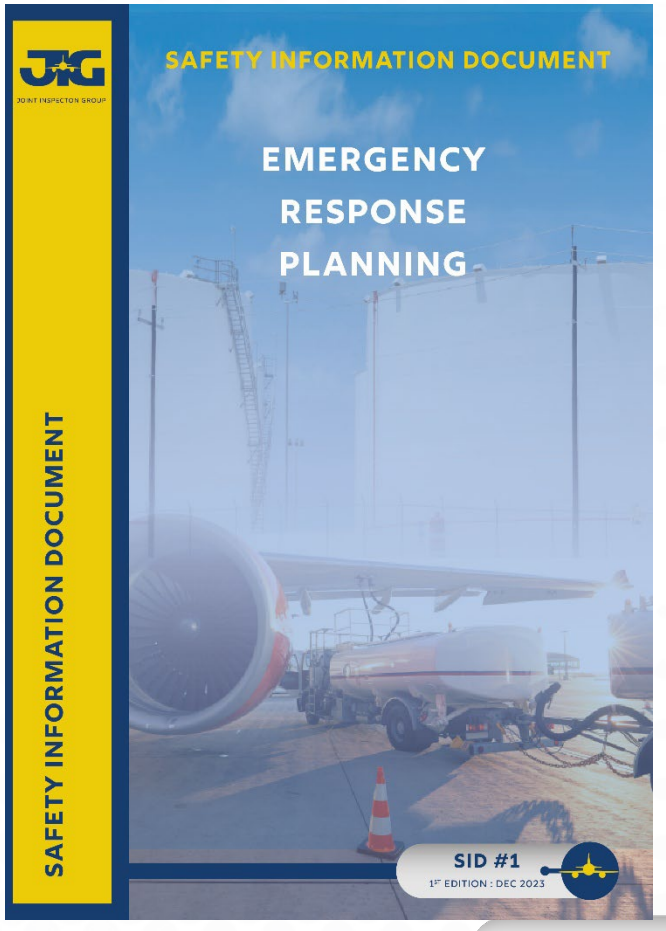


1 Future changes

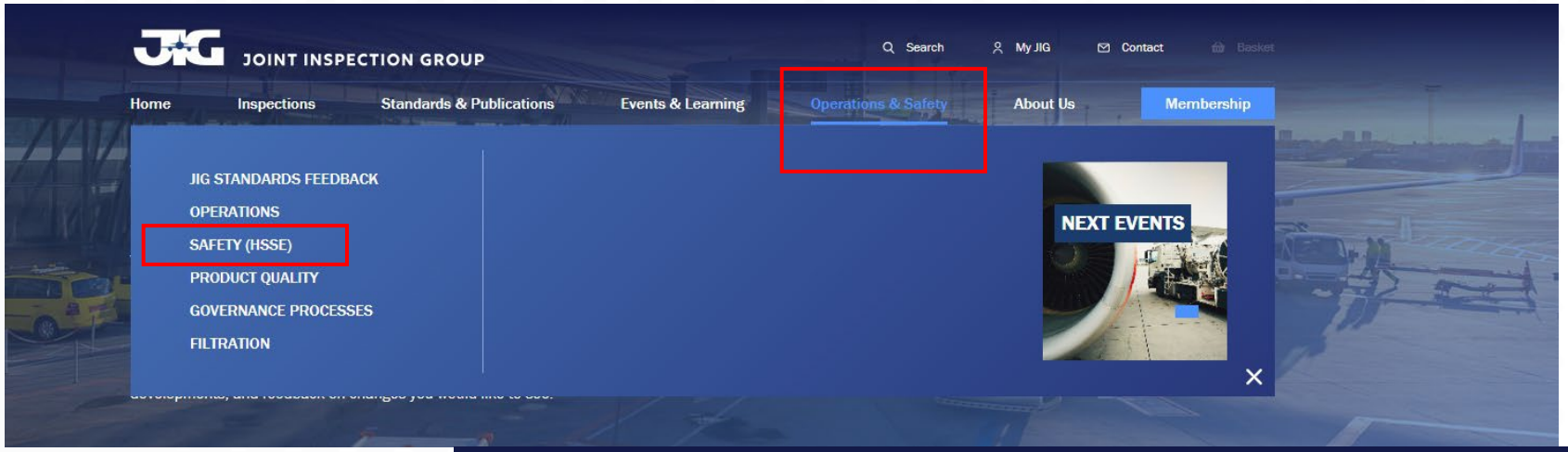
“SID” – Safety Information Document

- HSSE document equivalent to TID from operations
- Improve guidance on current JIG HSSE MS for sites (especially Inc JVs) where External Audits reveal weaknesses.
- Identify other frequent weaknesses for future publications

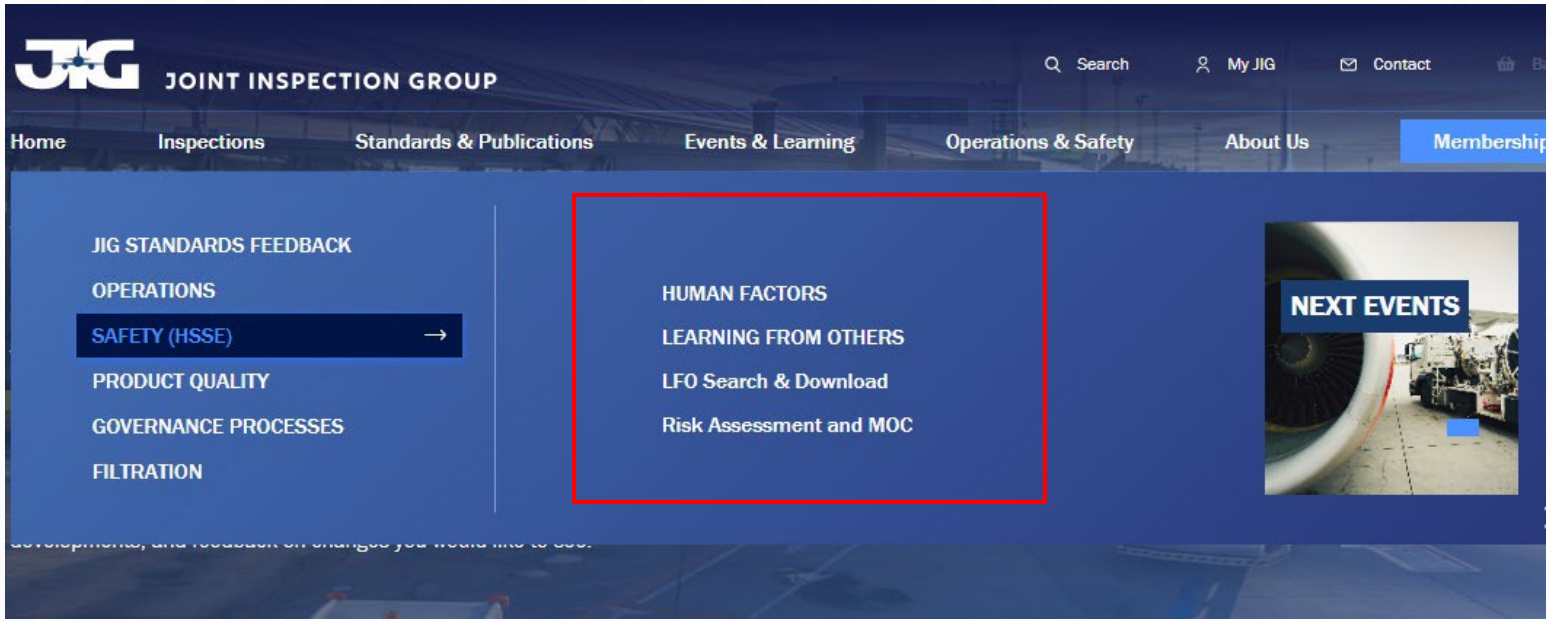
SID#1 - Emergency Response Planning



2 HSSE resources



2 HSSE resources



RISK MANAGEMENT

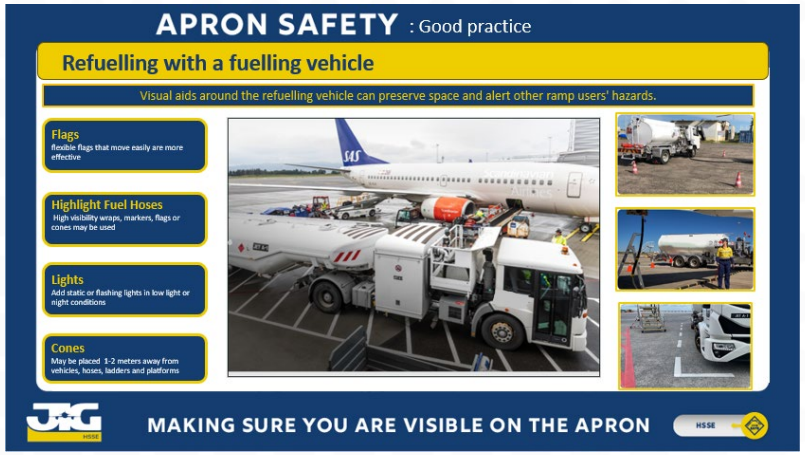
MOC – MANAGEMENT OF CHANGE

RAMP SAFETY

HF – MISFUELLING PREVENTION

HUMAN FACTORS

3 Ramp Safety Campaign



- Ramp safety campaign deployed in 2024 :
  - posters and awareness
- Significant input from HSSE Committee internal experiences and documents.
- Intended to target JIG JVs and Airport Regulators if possible.

Intended for site safety meeting and toolbox talks to support ramp safety themes

According to our HSSE Data

Vent Spills: 50 per 1m Operations

No pre-warning.....

Vehicle incidents: 30 per 1m Operations

85% caused by 3rd Parties

3 Ramp Safety Campaign

According to our HSSE Data

Vehicle incidents: 30 per 1m Operations

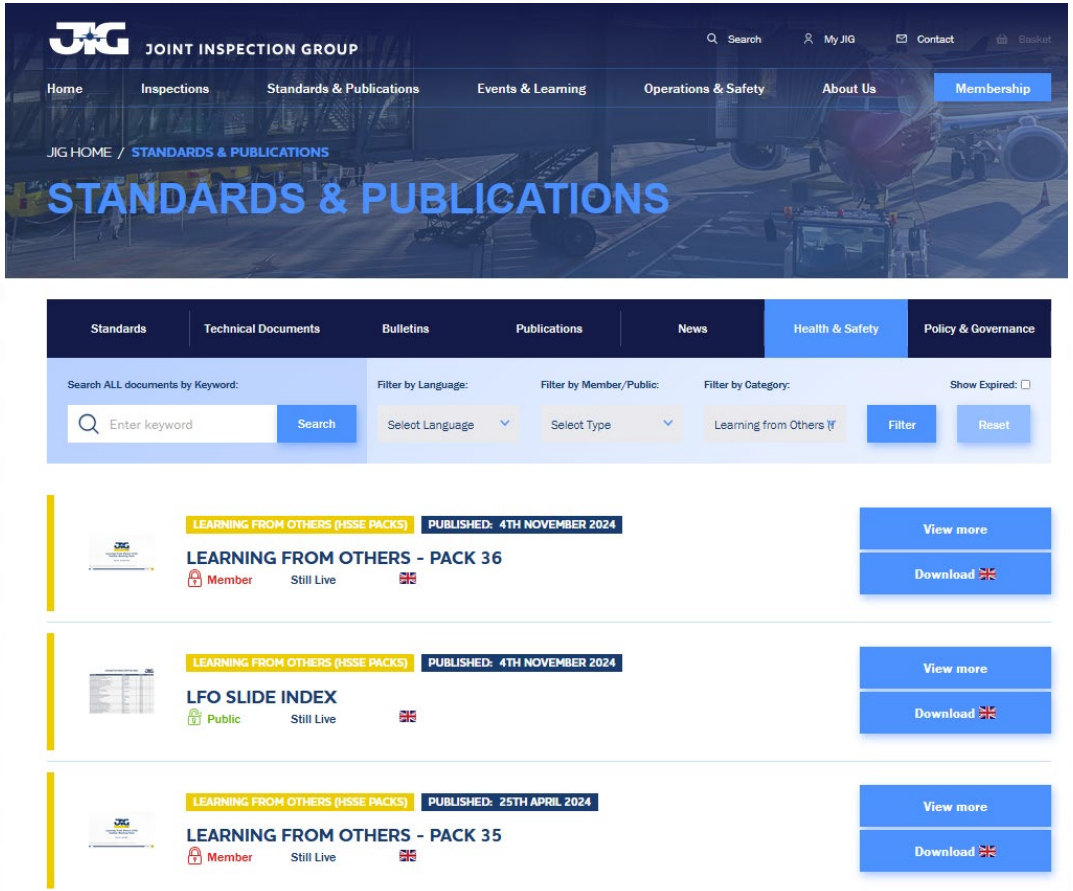
85% caused by 3rd Parties

Vent Spills: 50 per 1m Operations

No pre-warning.....

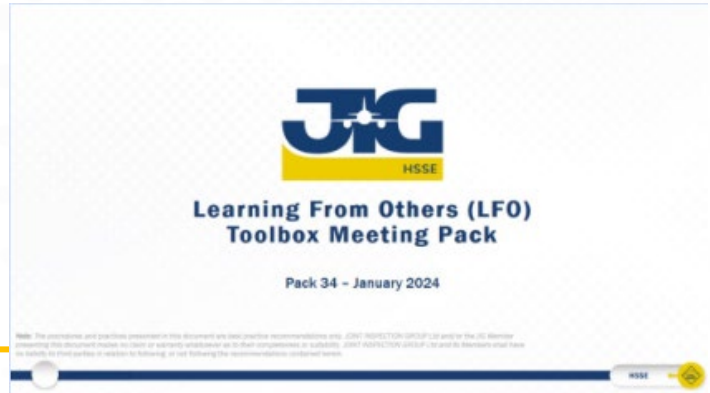
Learning from Others

- 3 packs in 2024
- 15 examples



Have been downloaded 2769 times

Please contribute to our work



HELP THE HSSE COMMUNITY TO IMPROVE OPERATIONAL SAFETY

- LFO submissions for review
- HSSE Data into new Dashboard

HSSE - New Dashboard roll out

New features:

- Simplified Reporting categories
- High level summary by categories
- Simplified upload
- The new format includes a benchmarking tool that allows sites to compare themselves to:
  - Region
  - Similar operations types
  - Similar sizes of operation

This site can compare itself with JIG Average, peer profile (ADHIP) and Size

Control of Works

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Agenda

1. Control of Work
2. Permit to Work
3. Purpose
4. Minimum Expectation
5. Roles and Responsibilities
6. How it Fails

Control of Work
OR
Work in Control

What is Control of Work

Element 2
Risk Assessment & Control

Aim: To provide a common framework for the systematic and structured identification and management of risks to people, assets, the environment, and reputation.

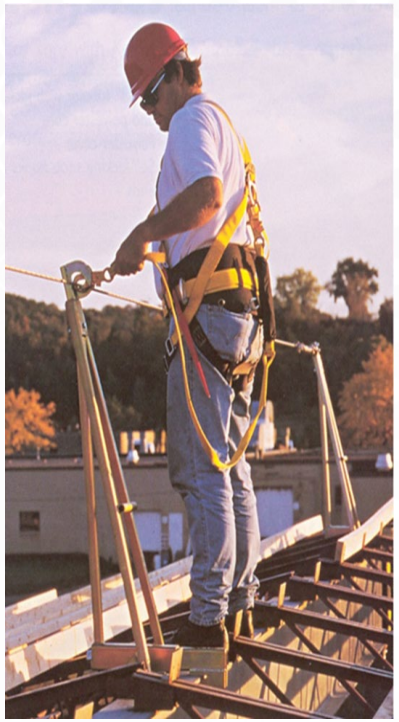
2.6 A Permit to Work system shall be used as appropriate to control the risks associated with non- routine activity, even if carried out by Facility staff (e.g. maintenance, repair, inspection, on, modification, cleaning etc.), jobs where two or more individuals or groups need to coordinate activities to complete the job safely; jobs where there is a transfer of work and responsibilities from one group to another.

Permit to Work

- As per JIG HSSMS Clause 2.6, a Permit to Work system shall consider, but not be limited to, the following activities:

Hot work

Confined Space



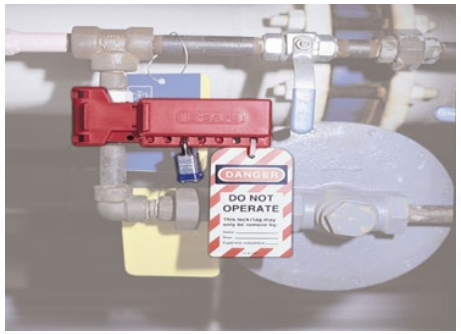
Work at Height

Crane operation

Excavation

Tank Degassing

Electrical work



Lock Out Tag Out

PERMIT TO WORK

Purpose

To ensure that high risk maintenance activities are effectively controlled, and that people are not exposed to hazardous conditions.

To ensure that work within scope of the PTW system is only undertaken following an adequate and proportionate risk assessment to determine the safe system of work and that the controls are validated before work commences.

THE PTW IS THE OUTCOME OF AN APPROPRIATE AND STRUCTURED RISK ASSESSMENT

PERMIT TO WORK

Permit to Work - Minimum Expectations

- Documented Permit to Work System
- Scope
- Designated Roles and Responsibilities
- Trained staff
- Risk assessment
- Permit Controls
- Safe Isolations

PERMIT TO WORK (cont'd)

Permit to Work - Minimum Expectations

- Working and Equipment Condition Checks
- Authority to Stop Work in Dangerous Situations
- Permit Hand Back
- Permit Suspension
- Risk Communication and Information
- Review and Revision

PERMIT TO WORK

must be obtained

- A PTW system is a permissioning system
- High Risk work should not be undertaken (by staff or contractors) without permission
- Permission must be given by an authorised person who is not directly involved in undertaking the work

PERMIT TO WORK

must be obtained

Permission is conditional upon a risk assessment being completed.

The risk assessment must consider:

- How to make the work area safe (isolations and ensuring removal of hazardous substances and a clean atmosphere)
- How long the work is to take and whether it can be completed in one work period.
- PPE and other safeguards such as access
- Workplace monitoring needed whilst work is underway
- Returning the equipment or work area back to a safe situation (hand back)

PERMIT TO WORK

Roles and Responsibilities

Appropriate competent staff designated as having responsibility for authorising a PTW request and for undertaking risk assessments before issuing authorisation.

The person designated to authorise a PTW request is independent from a person who requests the permit.

You should never issue a permit to yourself!

PERMIT TO WORK

Roles and Responsibilities

Roles	Suggested title	Alternate title found in other PTW systems
Person requiring the job to be done	Originator	Permit originator, requestor
Person working under the terms of the permit	Permit user	Competent person
Person authorising the permit for issue, eg if an extra level of authorisation is required (see paragraph 26)	Permit authoriser	OIM, approver
Person issuing the permit	Issuing authority	Responsible person, permit co-ordinator, asset shift supervisor, permit issuer
Person accepting the permit on behalf of the permit user(s)	Performing authority	Acceptor, nominated person, work leader, person in charge of the work
Person in control of the location where work is to be carried out	Area authority	Nominated area operator, area authority, responsible person, system operator
Person carrying out checks as detailed on the permit	Site checker	Gas tester, authorised gas tester
Person responsible for making isolations	Isolating authority	Authorised person (electrical, mechanical, process), responsible person (eg responsible electrical person, or electrical responsible person)

Courtesy of UK HSE

PERMIT TO WORK

An opportunity to discuss the safety arrangements for the work - a 'walk through' or 'talk through' before the work starts

Validate the isolations and the safety precautions before the work starts

Compliance with the permit conditions must be checked while the work is underway

Ensure hand over or permit suspension if work can not be completed in one shift

Ensure the equipment is safe and all isolations (including software) to restart at the end of work

PTW – Risk Communication

The issue of a Permit always be accompanied by

- a face to face discussion with all those involved in the work to inform them of the safety precautions, including the nature and locations of isolation, emergency arrangements, work duration and PPE required.

- Copies of the Permit always displayed at the place of work, kept in the control room associated with the location and a copy kept by the issuing authority.

The PTW Authorisation

The PTW authorisation sets out:

- The nature, sequence and location of the work?
- Who is authorised to undertake the work?
- The measures to make the work and workplace safe, including access and egress, isolations, and safe atmosphere
- Overlaps and links with other work/ PTWs which may be affected
- Personal Protective Equipment to be worn?
- Information and warnings to others about risks?
- Emergency arrangements?
- The maximum period for which the work is authorised?

Permit Handover and Suspension

- Handover procedure where work is carried over to another shift to ensure that the incoming shift is aware of any outstanding permit controlled jobs, the status of those jobs, and the status of the plant.
- Work-in-progress during shift handover left in a condition that can be reliably communicated to, and understood by, the oncoming shift.
- Where a PTW is suspended because the work is halted or interrupted the permit kept on the permit recording system.
- The condition in which the plant has been left and the consequences for other activities specified when the permit is suspended.
- Work not restarted until the issuing authority has verified that it is safe to do so, and has revalidated the permit or issued a new permit.

Permit to Work System - how it fails

- Wrong type of work permit used;
- Wrong information about work required on the work permit;
- Overuse of PTW which degrades its relevance;
- Over complicated systems -permits within permits, causing confusion;
- Mixing with Method Statements and Works Orders so uncertainty in where the correct information on precautions is located;
- Failure to recognise the hazards where work is carried out (e.g. flammable substances);

Permit to Work System - how it fails (cont'd)

- Introduction of ignition source in controlled flameproof area (e.g. welding, non spark-proof tools, non-intrinsically safe equipment used in intrinsically safe zones);
- Terms of work permit not adhered to (e.g. failure to isolate plant and/or drain lines of hazardous substances);
- Failure to hand-over plant in safe condition on completion of work/cancelling of work permit;
- Unauthorised staff performing work permit functions;
- Poor management of the work permit system; and
- Insufficient monitoring of the work permit system

Meet the committee

NEWSFLASH

2 May 2025
2025 / 08

JOINT INSPECTION GROUP

2025 COMMITTEE NOMINATIONS

In order to maintain the valuable Member participation in JIG's activities, we are seeking nominations from Members who wish to be represented on JIG Committees and Working Groups. From July 2025 there will be vacancies on the following Committees:

- Operations Committee, **2 places**
- HSSE Committee, **2 places**
- Product Quality Committee, **1 place**
- Governance Processes Committee, **1 place**

Successful nominees will be given a 2-year mandate. Members should note that 50% of Committee places are free for election every year, thereby giving Members more frequent opportunities to contribute to JIG's work.

All Members of JIG (excluding Guarantor Members) can nominate a suitable person from within their organisation. To ensure that a nominee is suitable, the Member nominee must provide a skills-set summary, available via this **link**, and a short biography using the guidance template provided **here**. This may be used in the event of a ballot being required. Individuals may be nominated to a maximum of two Committees. Existing Member representatives may be nominated again. If selected, Member Representatives are also eligible to be elected Chair of the Committee they serve on.

- **Members representative** position have completed their mandate, **2 places available**:

- Deadline for nominations is **13th June**
- Voting to commence end of June
- Election results expected **end of July 2025**


Q&A


THANK
YOU

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