



JSP 520 Issue 3



DEFENCE ORDNANCE ENVIRONMENT & SAFETY BOARD

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Aims of Brief

- To provide a overview of the new JSP 520 construct.
- To provide details of the significant changes to JSP 520.



Acknowledgements (1)

JSP 520 Editorial Committee:

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Why Review JSP 520

- The review and update is a requirement of the DOESB and JSP 815
- Not had an extensive review since 2006
- New structure similar to that adopted by JSP 454 (Land Systems Safety & Environmental Protection)



Structure (1)

- JSP 520 has been structured to follow the component parts of an effective management system, drawing on JSP 815, HSE publication HS(G)65 and ISO 14001. Although JSP520 does not exactly mirror the source documents, it does address the 5 main elements expected of a management system, namely:
 - Policy
 - Organisation and Arrangements
 - Planning and Implementation
 - Measuring Performance
 - Audit and Performance Review



Structure (2)

- Part 2 has also been re-structured into leaflets.
- This structure is further detailed in the following Figure.
- Where Part 2 is deemed ACOP this is identified.
 - Defined as guidance which supplements the policy and provides guidance on compliance with the policy. Non-compliance does not constitute a breach of policy, but ACOPs are used as evidence of failure to do all that was reasonably practicable to comply with the policy.
 - If these ACOPs are not used by the PT, justification shall be documented in the OME's Safety and Environmental Case Report and/or the Safety and Environmental Management Plan.



Part 2 – Structure (3)

A – Policy

Leaflet A1: Process Interface

B - Organisation and Arrangements

Leaflet B1: Safety and Environmental Management System

Leaflet B2: Roles and Responsibilities

Leaflet B3: Competence

C - Planning and Implementation

Leaflet C1: OME Risk Category Level

Leaflet C2: Legislation Compliance

Leaflet C3: Risk Management

Leaflet C4: Safety and Environmental Case Development

Leaflet C5: Clearances and Certificates

Leaflet C6: Insensitive Munitions

D - Measuring Performance

Leaflet D1: Safety Performance Reporting and Feedback

E - Audit and Performance Review

Leaflet E1: OSRP Process

Leaflet E2: Audit

Leaflet E3: End to End (E2E) Assurance



General Changes

- Configuration Management of JSP improved
- Updated to recognise current organisational change e.g. FSB and safety reporting routes
- Introduction of SMO Notices
 - Aim to provide a swift method of circulating an update to the requirements and/or guidance of JSP520 prior to the issue of a formal update



Part 1 - Key Changes

- Scope of 520
- PT Responsibilities clearly defined (Section 4.2 reference to Leaflet B2)
- Definition/Abbreviations reviewed
- Permissioning Regime removed
- Inclusion of JSP 536 (Part 1 Para 5.8.4), where trials involving human participants require adequate safety and ethical scrutiny.
- Legacy process removed, LBOSS available for renewal
- OME Safety Instruction – removes prescriptive requirement, replaced by the requirement to supply safety information across the interface, as agreed with the interfacing Duty Holder.



Part 2 - Key Changes (1)

Leaflet A1: Process Interface

- More guidance provided
- More emphasis on documenting interfaces

Leaflet B1: Safety and Environmental Management Systems

- More guidance provided
- More emphasis on maintaining SEMS (Section 5)
- New section talks about “Safety Information and Retention” (Section 6)

Leaflet B2: Roles and Responsibilities

- More guidance provided
- Information structured around diagrams. (Annex A & B)

Leaflet B3: Competence

- Existing JSP520 didn't include competence.
- Recognised that further work will be required on this leaflet.



Part 2 - Key Changes (2)

Leaflet C1: OME Risk Level Category

- Table revised to provide more clarity.
- More emphasis on the approach is guidance and any final outcome can be changed, given a reasonable, credible and justifiable argument.

Leaflet C2: Legislation Compliance

- Existing JSP520 does not provide any specific guidance for legislation compliance. Thus, further guidance provided.
- Recognised that a legislation database is needed, rather than referring out to JSP482.



Part 2 - Key Changes (3)

Leaflet C3: Risk Management

- More guidance provided – only a starting point and points out to other guidance documents.
- Operational Risk Taking included.

Leaflet C4: Safety and Environmental Case Development

- More guidance provided.
- Tried to avoid confusion between “the case” and “the report”
- Tried to simplify the understanding.
- Its okay to combine platform SECR and the OME SECR. However, compliance table is required.
- Evidence Configuration Management.
- Tailored evidence - arrangements for Special Cases e.g. SOLAS
- SECR template revised.
- Requirement to provide safety information across Duty Holders interfaces, but not in an OME Safety Instruction format. (Annex B Part 7)



Part 2 - Key Changes (4)

Leaflet C5: Clearances and Certificates

- Nothing significant.

Leaflet C6: Insensitive Munitions

- See following slides.

Leaflet D1: Safety Performance Reporting and Feedback

- Brings the reader back to HS(G) 65, i.e. back to basics and in line with JSP815.
- Further requirement is to provide examples of performance indicators.



Part 2 - Key Changes (5)

Leaflet E1: OME Safety Review Panel Process

- Process has been presented more concise.
- CSOME – No longer a ‘Limited’ or ‘Full’ CSOME.
- Safety Adviser declaration of involvement (Para 2.6)
- Proviso – clarification of a Proviso. An action required of the OME SMS that has to be completed to fully demonstrate that a particular risk is ALARP. A CSOME becomes valid when the conditions of a Proviso are met. (Leaflet E1 Para 3.6.1.b)
- CSOME review date not limited to 5 years, determined by OSRP (Para 5.1)
- Failure to renew CSOME will be highlighted (Para 5.3)



Part 2 - Key Changes (6)

Leaflet E2: Audits

- Nothing significant

Leaflet E3: End-To-End (E2E) Assurance

- This leaflet is for Top Level Budget (TLB) duty holders only. There is no requirement for Project Teams under this leaflet.



IM Overview - Leaflet C6 (1)

- **Intent.** To remove, as far as is possible, the potential for different interpretations and ambiguity in the way in which IM Policy is implemented.
- **Minor changes to:**
 - Policy. Some tidying of the words in the 3rd para of the policy statement.
 - Intent behind the Policy. This amendment stopped short of changing the way that IM is managed, i.e. not mandating that it is treated as a risk.
 - Format of the PT's Waiver Submission / Application.



IM Main Changes - Leaflet C6 (2)

- Pull all IM into a single Leaflet.
- Make explicit that which was implicit (without repeating chunks of STANAG 4439 or AOP 39).
- Better linking to STANAG 4439 and AOP 39.
- Better linking of IMAP and ESTC (mainly in the testing / assessment requirements).
- Stress 'whole body of evidence' and not just 'test'. 'Assessment' not just 'Test'.
- Amend the structure to make it a more logical layout and flow better. Better cascade from JIMSG and clearer reporting lines.
- Add IM Organisation diagram (adds clarity).
- Remove the word 'Legacy'. Replace by 'in-service munitions'. Thus, munitions are either new (not in service) or are in-service.
- Add Flow diagrams to show:
 - Munition engagement with IMAP through life - not just a once in a lifetime experience (Annex H).
 - Flow diagram to assist the decision making of whether or not an in-service munition requires to have a 2* waiver (Annex I). Major change (for the better!).
- Amended TORs.
- Addition of Annex on DOSG Capping Note format.



Future Development

- Human Factors leaflet
- Environmental leaflet
- Risk Management – standardization across weapons
- Nuclear interface with JSP 538 (Leaflet A2)
- Safety Culture – Further guidance on how to develop a positive safety culture – awaiting direction from Haddon-Cave working group.
- Safety Performance Reporting and Feedback.
- Audits – Further guidance on audits.
- Your input will be appreciated



Questions?



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