



Defence
Safety Authority

DSA 03.OME Part 1: Defence Code of Practice (DCOP) 113

OME Through-Life Capability Management (TLCM)



Version Record

Version 2.0

Version Date: February 2026.

Version changes: see amendment table.

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Preface

Requests for Change

1. Proposed changes, recommendations, or amendments to DOSR Regulations and Guidance can be submitted to the DOSR Regulations and Publications Team:

Email Address: dsa-dosr-prg@mod.gov.uk

Postal Address: Juniper #5004, Level 1, Wing 4, Abbey Wood North, Bristol, BS34 8QW

2. Any post and grammar change proposals can be approved or rejected by the DOSR without involvement of the associated Working Group.

3. Technical change proposals should be submitted to the associated Working Group for review and approval or rejection.

4. When incorporating changes, care is to be taken to maintain coherence across regulations.

5. Changes effecting Risk to Life will be published immediately. Other changes will be incorporated as part of routine reviews.

Review Process

6. The DOSR team will ensure OME Regulations remain fit for purpose by conducting regular reviews through the DOSR Governance Committees, consulting with MOD Stakeholders and other Defence Regulators as necessary on interfaces and where there may be overlaps of responsibility.

Further Advice and Feedback

7. For further information about any aspect of this document, or questions not answered within the subsequent sections, or to provide feedback on the content, contact the DOSR Regulations and Publications Team.

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Amendment Record

Version	Section	Para	Amendment Summary	Agreed	Date
1.0	all	all	Document created	Regs ATL	Aug 2024
2.0	1	Reg	Regulation removed	Regs- Pubs-2	Feb 2026

DSA 03.OME DCOP 113: OME Through-Life Capability Management

Background

1. OME Through-Life Capability Management (TLCM) brings together the strategy, behaviour, systems, processes, and tools that will deliver OME Capability. It is concerned with equipment-based strategies for achieving better availability or performance at the Front Line, better value for money through improved support solutions, and a more integrated approach to technology insertion, updates, and upgrades through life.
2. To ensure that OME items/systems achieve their intended military effects safely, as per their intended design, the OME item/system should be managed throughout the lifecycle by Suitably Qualified and Experienced People (SQEP) with appropriate OME competencies. Effective Through-Life Capability Management of OME can improve efficiency, flexibility, military effectiveness, and value for money.
3. The Accountable Person (AP) should be aware of the approved technical governance and assurance framework within the [Defence Operating Model \(DOM\)](#), where Defence develops, delivers, generates, operates, disposes, and ensures the coherence of military capability through life, to meet the strategic requirements and objectives set by Defence Policy.
4. The guidance material highlighted below should enable the OME Capability Manager to:
 - a. Improve coherent decision-making based on the best available evidence, whilst recognising the risk and complexity and value for Defence and improve the management of the risk to the capability.
 - b. Improve the quality and balance of technical input into decision making.
 - c. Improve Capability planning and assurance activities and ensure proportionality and tailoring are balanced with risk.
 - d. Enable Defence to get maximum benefit from specialist Technical Services.

Guidance Material

JSP 762 - Defence Ordnance, Munitions and Explosives Through-Life Management

5. JSP 762 - Defence Ordnance, Munitions and Explosives Through-Life Management, provides directives based upon the five Building Blocks (Figure 1) for

Technical Governance which are outlined in detail in JSP 901 -Technical Governance and Assurance of Capability.

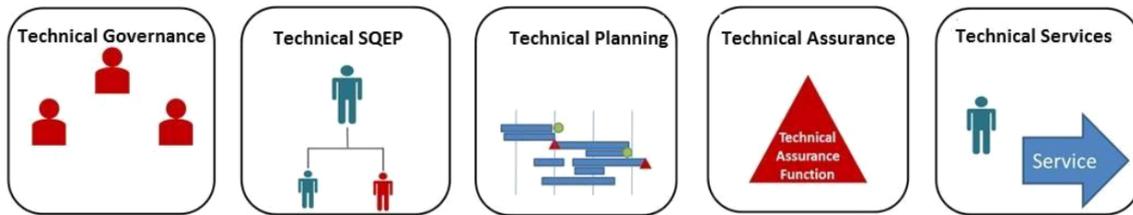


Figure 1: Building Blocks of Technical Governance & Assurance of Capability

6. JSP 762 provides policy and guidance on the MOD acquisition and OME TLCM approach. This approach allows clear delegation of tasks between the technical and non-technical stakeholders, to mitigate the risks associated with through-life management of OME. It provides detail on the creation and maintenance of the Through-Life Capability Management Plan (TLCMP). The TLCMP is a vehicle which the AP and the Stakeholders should develop, implement, and use to demonstrate Through-Life Management activity. TLCM should be demonstrated across the CADMID/T cycle of the OME item.

7. JSP 762 provides guidance in the following areas:

- a. Through-Life Capability.
- b. Stockpile Planning.
- c. Acceptance into Service.
- d. Whole Life Assessment.
- e. Sales.
- f. The Munitions Control Register.
- g. Information Systems.
- h. Disposal.
- i. Nomenclature.
- j. Packaging, Marking and Sealing.
- k. Configuration Management and Safe Life.
- l. International Traffic in Arms Regulations (ITAR).
- m. Monograms.
- n. Legal.

8. Points of contact for each chapter are available from the [JSP 762 Head Office \(HO\) Sharepoint page](#)

JSP 901 - Technical Governance and Assurance of Capability

9. JSP 901 - Technical Governance and Assurance of Capability. This JSP provides direction to those accountable for the Technical Contribution to Capability Management and its operation in Defence. It supports the AP in the design and implementation of proportionate technical governance and assurance and technical planning. It also ensures the technical personnel have the necessary knowledge, skills, experience, and authority and that specialist technical services are fit for purpose and used effectively.

Technical Contribution

10. Technical Contribution refers to the range of professional, specialist, engineering, science, quality and related disciplines and their associated activities and outputs. This enables Defence capability to be developed, delivered, generated, supported, operated, and disposed of safely and effectively across the CADMID/T cycle.

11. The Point of Contact is available from [JSP 901 Head Office \(HO\) Sharepoint page](#).

Knowledge in Defence (KiD) Tool

12. The Knowledge in Defence (KiD) tool is available through the [Defence Gateway](#). It provides policy and guidance governing acquisition and the delivery of Defence projects for MOD and related Industry partners. KiD is intended to improve the consistency of application of policy and best practice across MOD and plays a role in delivering better solutions for defence.

13. The Capability Management section in KiD contains several documents that describe the way in which Capability Management is carried out at various levels across MOD, including:

- a. The Defence Operating Model (DOM).
- b. Finance and Military Capability (Fin Mil Cap) Operating Model (FOM).
- c. Generic Capability Management (GCM) Model.
- d. Capability Management Practitioners' Guide (CMPG).
- e. Through-Life Capability Management (TLCM).

Standardization Agreements (STANAGs), Allied Publications (APs), and Allied Ordnance Publications (AOPs)

14. A Standardization Agreement (STANAG) is a NATO standardization document that specifies the agreement of member nations to implement a standard, in whole or in part, with or without reservation, to meet an interoperability requirement.

15. Allied Publications (APs) are standards and standards-related documents published by NATO. Allied Publications are defined by a short title which defines the kind of publication they are. Examples are Allied Joint Publication (AJP), Allied

Engineering Publication (AEP), Allied Education and Training Publication (ATrainP) and Allied Ordnance Publication (AOP).

16. The STANAGs and AOPs listed below are available through the [StanMIS MOD](#) web page:

- a. STANAG 2953/AOP-02 Identification of Ammunition shows marking and colour coding which will serve to identify the use, effect produced, and hazard potential of ammunition used by NATO Forces.
- b. STANAG 4170/AOP-07 Manual of Data Requirements for the Qualification of Explosive Materials for Military Use provides the principles and methodology to assess new explosives materials for military use.
- c. STANAG 4297/AOP-15 Guidance on the Assessment of the Safety and Suitability for Service of Non-Nuclear Munitions for NATO Armed Forces establishes and maintains the munition development and assessment policies.
- d. AOP-38 Specialist Glossary of Terms and Definitions on Ammunition Safety (No Covering STANAG). This is in the process of being updates, and with NATO definitions being moved to the NATOterm database incrementally.
- e. STANAG 4315/AOP-46 The Scientific Basis for the Whole Life Assessment of Munitions enables nations to collaborate in effectively implementing and conducting Munitions Whole Life Assessment to optimise munition life and achieve improved safety, reduced cost and sustained capability.
- f. STANAG 4620/AOP-48 Explosives, Nitrocellulose-Based Propellants, Stability Test Procedures and Requirements using Stabilizer Depletion provides the general methodology, test procedures, limits of acceptance and data sheets for stability testing of nitrocellulose-based propellants using stabilizer depletion.
- g. STANAG 4675/AOP-62 In-Service Surveillance of Munitions General Guidance provides basic guidance on ISS including, why it is necessary, when it should be implemented, and the key personnel and documentation required.
- h. STANAG 4675/AOP-63 In-Service Surveillance of Munitions Sampling and Test Procedures enables nations to conduct joint in-service surveillance programmes of munitions provides guidance for selecting test items that adequately represent the whole population to be assessed.
- i. STANAG 4675/ AOP-64 In-Service Surveillance of Munitions Condition Monitoring of Energetic Materials provides standards for the procedures required to assess continued or extended service use of an item.
- j. STANAG 4844/AOP-4844 NATO Handbook for Munitions Health Management provides an agreed best-practice guide for the implementation of munitions health management which when applied, supports, and enhances national policy for In-Service Surveillance.