



MINISTRY OF DEFENCE

**JSP 886  
DEFENCE LOGISTICS SUPPORT CHAIN MANUAL**

**VOLUME 7  
INTEGRATED LOGISTIC SUPPORT**

**PART 8.03C  
MANAGEMENT OF MAINTENANCE**

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# INTERNET VERSION – MASTER IS ON THE DEFENCE INTRANET

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## **CHAPTER 1: INTRODUCTION TO MANAGEMENT OF MAINTENANCE**

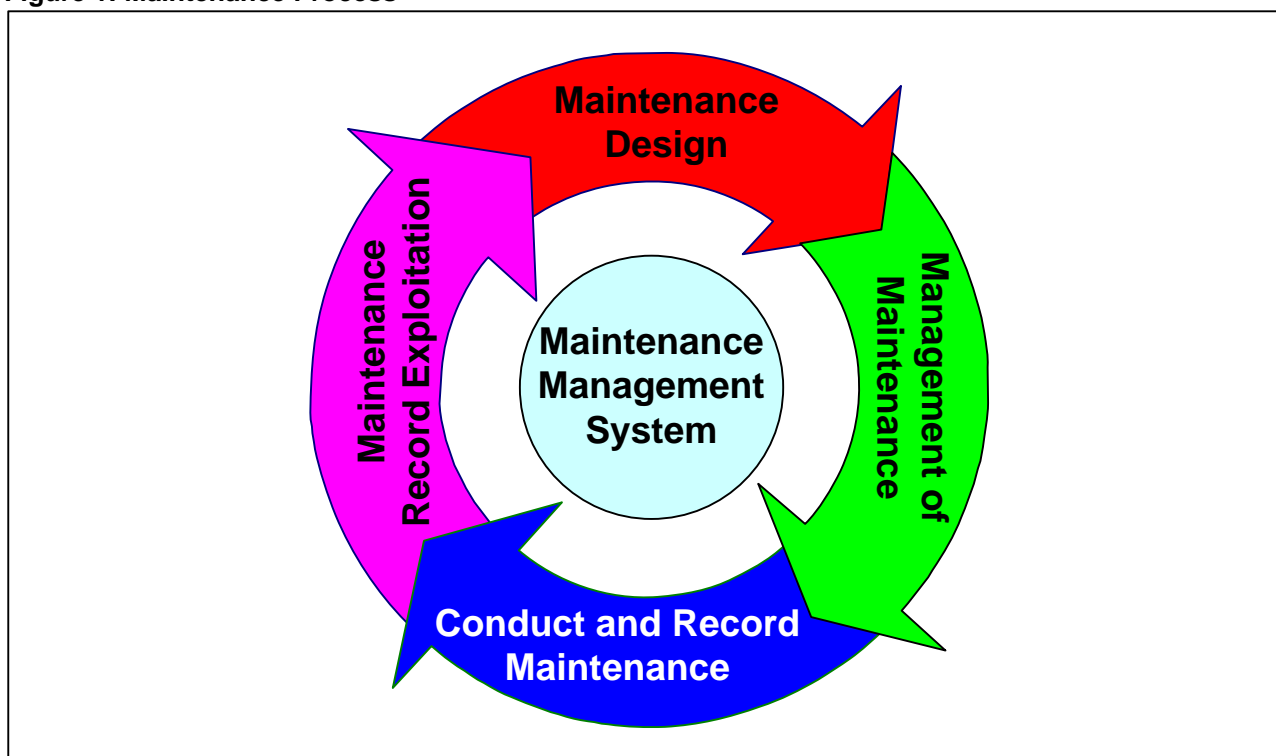
### **INTRODUCTION**

1. Maintenance is all actions taken to retain equipment in or to restore it to a specified condition, including inspection, testing, servicing, classification as to serviceability, repair, rebuilding and reclamation<sup>1</sup>. In order to ensure that appropriate maintenance is undertaken there is a need to:

- a. **Undertake Maintenance Design.** Identify what maintenance is required
- b. **Manage Maintenance.** Decide on when and where actual maintenance will be done
- c. **Conduct and Record Maintenance.** Undertake the maintenance and keep appropriate records
- d. **Exploit Maintenance Records.** Learn from experience to improve current maintenance or to improve maintenance of future products.

For most products it is advantageous to use a maintenance management system to record maintenance activities, this is shown schematically below.

**Figure 1: Maintenance Process**



### **CONTEXT**

2. This part provides key points of policy and guidance on how maintenance shall be managed.

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<sup>1</sup> Allied Administrative Publication-6 (AAP-6): NATO Glossary of Terms and Definitions.

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3. In order to ensure that items are available when required, and achieve the inherent reliability, maintenance is required. This activity has to be managed to ensure that the maintenance is undertaken to the appropriate standard and that the workload on facilities and resources is balanced against the needs of the item user.

### **POLICY**

4. The Project Team (PT) / fleet maintenance manager and subsequent chain of command will monitor the needs for maintenance ensuring that resources and facilities are appropriate to the maintenance needs of the item(s). The maintenance manager will decide when and where an item undergoes maintenance.

### **PRECEDENCE AND AUTHORITY**

5. Ownership of Logistics policy in support of the Logistics Process falls to the Assistant Chief of Defence Staff Logistics Operations (ACDS Log Ops) as Chief of Defence Materiel (CDM) Process Architect<sup>2</sup>. This role is exercised through the Defence Logistics Policy Working Group (DLPWG) and the Defence Logistics Steering Group (DLSG) reporting up to the Defence Logistics Board (DLB). It is against this governance framework that sponsorship<sup>3</sup> for R&M policy is delegated to Hd JSC SCM. PTs are required to assess and show compliance with key policies and governance as signposted by the SSE.

### **KEY PRINCIPLES**

6. There shall be a coherent maintenance management organisation, with a maintenance manager at its head who is responsible for the effective management of all aspects of maintenance, and accountable for the effective delivery of available items and minimisation of failures which affect safe operations. There shall be clear reporting lines of responsibilities to this central role from supporting activities such as management of first line maintenance, management of depth or overhaul, management of maintenance in storage and data analysis, even where these roles cross organisational boundaries.

7. The maintenance manager and supporting hierarchy is accountable to the technical authority and/or regulatory authorities for ensuring the material state of items under their control is maintained in accordance with approved procedures to a level necessary to assure safe operations. Who has the delegated authority to make technical decisions, or which decisions should be referred for endorsement, on their behalf shall be clearly defined, including where this authority may be temporarily exceeded for operational or safety reasons.

8. A risk based approach based firstly on the relevant item safety cases and then on operational loss of performance and financial costs shall be used to inform maintenance priorities. Feedback from monitoring item state and significant events shall be fed back to operating or design authorities as necessary.

9. The maintenance organisation shall:

- a. Schedule, resource and direct maintenance and repair activities on the basis of achieved levels of reliability.

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<sup>2</sup> JSP899: Logistics Process – Roles and Responsibilities.

<sup>3</sup> Sponsor - The person responsible for the content, currency and publication of a JSP (as per letter of delegation). Responsibility established through Letters of Delegation (LoD), issued through the DLPWG chair and exercised through Terms of Reference

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- b. Task maintenance personnel to meet operational demand.
  - c. Check & verify the effectiveness and quality of maintenance, inspections and record keeping.
  - d. Deliver decisions on maintenance needs as delegated.
10. The maintenance organisation shall use clear measures of performance to monitor the completion of maintenance and the level of backlog to:
- a. Direct resources to optimise overall item availability.
  - b. Minimise the increased risk to safe operations arising from the backlog.
  - c. Monitor the maintenance contribution to overall item availability for effective support optimisation.
  - d. Inform short-term operational logistic and long-term strategic decision making.

### **ASSOCIATED STANDARDS AND GUIDANCE**

11. Reference and, if practical, link to the relevant publications involved.
- a. JSP 886: Defence Logistics Support Chain Manual:
    - (1) Volume 7 Part 5: Management of Support Information.
    - (2) Volume 7 Part 8.03A Maintenance Planning.
    - (3) Volume 7 Part 8.03B Maintenance Design.
    - (4) Volume 7 Part 8.03D Conduct and Record Maintenance.
    - (5) Volume 7 Part 8.03E Maintenance Record Exploitation.
    - (6) Volume 7 Part 8.04: Reliability & Maintainability.
  - b. BR 1313 Maintenance Management in Surface Ships.
  - c. AESP 0200-A-090-013: DEME(Army) Engineering Standards.
  - d. JAP 100A-01: Military Aviation Engineering Policy, Regulation and Documentation.
  - e. Defence Standard 00-600: Integrated Logistic Support. Requirements for MOD Projects.

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### OWNERSHIP

12. The policy for Maintenance of Maintenance is sponsored by DES JSC SCM-EngTLS.

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