



MINISTRY OF DEFENCE

JSP 886 DEFENCE LOGISTICS SUPPORT CHAIN MANUAL

VOLUME 7 INTEGRATED LOGISTIC SUPPORT

PART 8.03A MAINTENANCE PLANNING

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CHAPTER 1: INTRODUCTION TO MAINTENANCE PLANNING

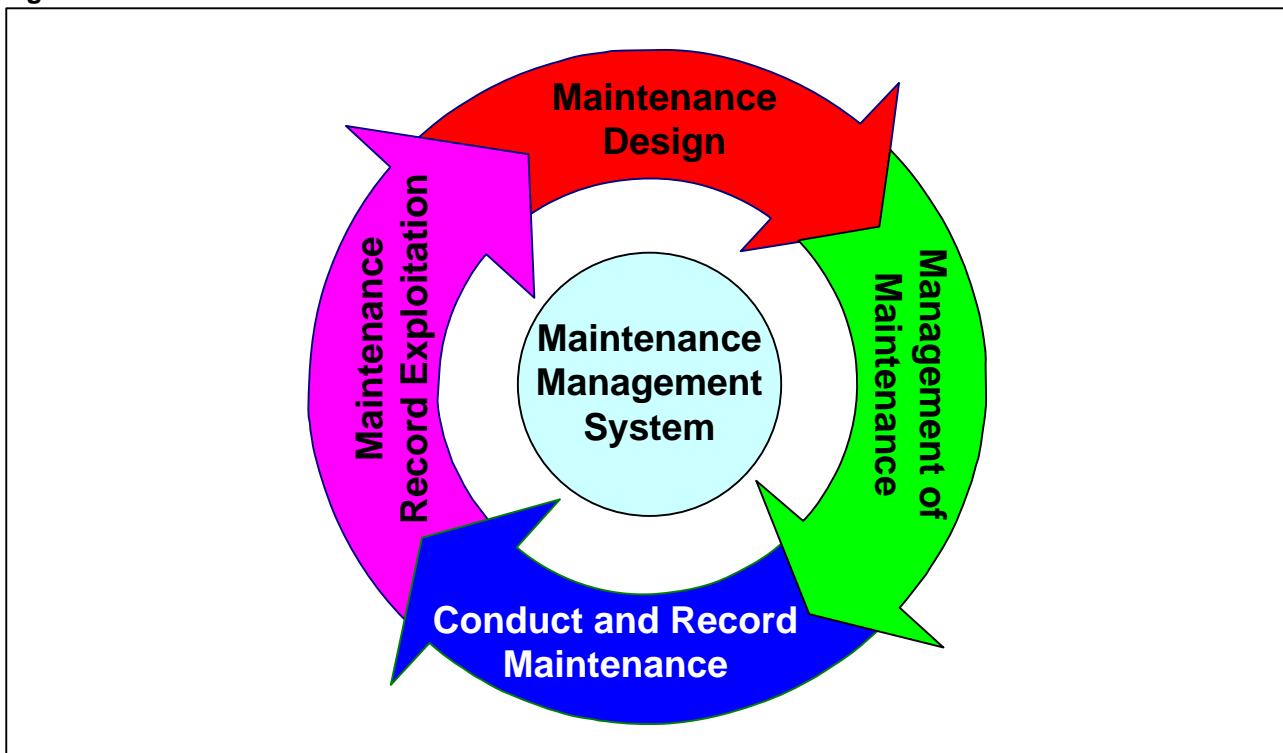
INTRODUCTION

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 reclamation¹. 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



MAINTENANCE PLANNING

2. The successful development and undertaking of appropriate maintenance of an equipment depends on the early identification of the Maintenance Strategy and Maintenance Plan.

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

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a. **Maintenance Strategy.** The Support Strategy for an equipment is determined using the guidance in JSP 886 Volume 1 Part 4: Support Options Matrix. There may be varying support options for different elements of a project.

b. **Maintenance Plan.** The Maintenance Plan is created during the Development and Manufacture phases using ILS techniques. The plan is then developed during the In Service and Disposal phases.

(1) **Plan Creation.** The Maintenance Strategy is used to develop the Maintenance Plan which are both input to the Supportability Analysis phase. This analysis will inform the content of the Initial Support Package (Technical Documentation, Initial Spares List, Special Tools and Test Equipment (STTE)), Operating and Maintenance Training Requirements, Facilities and other Resources

(2) **Plan Development.** The plan evolves throughout the life of the equipment as the support strategy matures.

3. Maintenance Planning² comprises the identification of hardware, software, materiel, facilities, personnel, processes and data needed to enable maintenance services to be competently provided for the product and its support. The process develops and establishes maintenance concepts and requirements, resulting in a detailed maintenance plan. This involves the following business processes:

- a. Define Servicing Schedule.
- b. Define Repair Policy.
- c. Determine probable repair tasks.
- d. Identify spares, tools, facilities, documentation, techniques and staff required for repair tasks.

4. The development of the Maintenance Plan is discussed under the following headings:

- a. Maintenance Design.
- b. Management of Maintenance.
- c. Conduct and Record 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 Architect³. 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

² JSP 886 Volume 7 Part 1: ILS Policy.

³ JSP899: Logistics Process – Roles and Responsibilities.

sponsorship⁴ 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.

ASSOCIATED STANDARDS AND GUIDANCE

6. Reference and, if practical, link to the relevant publications involved.
 - a. JSP 886: Defence Logistics Support Chain Manual:
 - (1) Volume 7 Part 1: ILS Policy.
 - (2) Volume 7 Part 5: Management of Support Information.
 - (3) Volume 7 Part 8.03B Maintenance Design.
 - (4) Volume 7 Part 8.03C Management of Maintenance.
 - (5) Volume 7 Part 8.03D Conduct and Record Maintenance.
 - (6) Volume 7 Part 8.03E Maintenance Record Exploitation.
 - (7) 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. DEFSTAN 00-600: Integrated Logistic Support. Requirements for MOD Projects.

OWNERSHIP

7. The policy for Maintenance Planning is sponsored by DES JSC SCM-EngTLS.
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⁴ 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