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**Ministry
of Defence**

**JSP 886
THE DEFENCE LOGISTICS SUPPORT CHAIN MANUAL**

**VOLUME 7
SUPPORTABILITY ENGINEERING**

**PART 8.08
FACILITIES AND INFRASTRUCTURE**

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CHAPTER 1: FACILITIES AND INFRASTRUCTURE

CONTEXT

1. The term 'Infrastructure' is defined in the Defence Lines of Development (DLOD) as 'The acquisition, development, management and disposal of all fixed, permanent builds and structures, land, utilities and facility management services (both Hard and Soft Facilities Management (FM)) in support of Defence capabilities'. It includes estate development and structures that support military and civilian personnel. Unless confirmed otherwise, it should be assumed that equipment projects and programmes or their support activities may have a facilities and infrastructure impact.

2. Integrated Logistic Support (ILS) Def Stan 00-600 defines Facilities as comprising the entire physical infrastructure required to integrate, operate and maintain the equipment. The facilities required shall be determined through the application of Logistic Support Analysis (LSA) Volume 7: Part 3.

PRECEDENCE AND AUTHORITY

3. The authority to manage the development and support of Facilities and Infrastructure, as an element of the ILS process and methodology and following the principles outlined in Def Stan 00-600 is promulgated from DE&S Corporate Governance Portal.

4. Within DE&S, delegation for Infrastructure and Estate Management rests with the Head of DE&S Infrastructure. Each Top Level Budget has its own Customer Estates Organisation (CEstO) and the Head of DE&S Infrastructure is the Head of the DE&S CEstO. The CEstO provides the lead for DE&S estate policy and strategy and is the DE&S single authoritative point of contact within Defence Estates.

MANDATED REQUIREMENTS

5. There are no mandated requirements associated with Facilities and Infrastructure; however managers responsible for developing Facilities and Infrastructure should refer to guidance in Safety Management Requirements for Defence Systems which can be found within Def Stan 00-56.

6. Individual programmes may have specific Facilities and Infrastructure mandated requirements.

ASSURANCE AND PROCESS

Assurance

7. To enable the CEstO to provide the necessary project approval/assurance and where Infrastructure Lines of Development (ILOD) sit within equipment approvals, DE&S Corporate Governance Portal places a requirement on Project Team (PT) Leaders to consult Head of Infrastructure at the earliest stage (ie. concept).

8. This approval / assurance function is vital to ensure that solutions are coherent with MOD estate development planning, consistent with the host CEstO's plans for the Establishment(s) in question and that through life issues are covered. Facilities are an element of the ILS process, which is independently assured against Governing Policy 2.1. Guidance for Assurance and can be found in JSP 886 Volume 1 Part 3: Support Solutions Envelope.

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9. GP 2.1 (ILS Process and Support Solution Development) is externally assessed by the Support Improvement Team, independently identifying risks to delivery and assisting in the provision of a coherent support solution.

10. Head of Infrastructure is responsible within DE&S for ensuring scrutiny and approval / assurance of Infrastructure PT Business Cases (BC) and Investment Appraisals (IA). The PT should also liaise with the DE&S Approvals Support Team (AST) who provide support for Cat A-C BC(s) seeking approval from the Investment Approvals Board (IAB). The AST is also responsible for the DE&S Investment Board process and Through Life Investment Assurance (TLIA) framework.

Process

11. Facilities, whether new or a modification to that already existing, are usually high cost and involve long lead times. The PT should ensure that the Logistic Support Analysis (LSA) process is used to influence the design to minimise the need for new facilities or modification to existing facilities.

12. Given the strong interrelationship between the PT, who identify Facilities requirements and Defence Estates (DE), who provide the Infrastructure and Facilities solutions, the PT is required to consult with Head of DE&S Infrastructure at the earliest phase of a project.

13. Identification of basic facilities and infrastructure requirements will be directed by the LSA process. Due to the dependency between DE&S and DE for the provision of facilities and Infrastructure the project team shall nominate a focal point to liaise with the CEStO and DE throughout the life of the project.

14. The task analysis identifies facilities required to support the equipment acquisition throughout testing, training, operations, and maintenance. Facilities data, resulting from the LSA process, includes identification and description of facilities requirements, design criteria, costs, and lead times.

15. As Logistics Process Owner, Chief of Defence Materiel (CDM) must be confident of the ability of DE&S to contribute to Defence Logistics Capability, through support to the Front Line and MOD's wider business outputs. In order to achieve this CDM therefore requires assurance that his Estate business processes are efficient, operate in a coherent manner and effectively interface with DE.

16. As the procurement progresses, facility requirements previously identified can be refined and updated, facility projects identified, supporting documentation prepared. The support facility plan, site surveys and site evaluation reports produced and the LSA can be used to define and establish facility requirements as the system or equipment design is refined.

KEY PRINCIPLES

17. Defence Estates (DE) are the MOD Agency responsible for the Estate portfolio and are the author of the MODs Estate Strategy detailed in the annualised issue of the Defence Estates Development Plan (DEDP). The DE vision is 'to provide an estate of the right size and quality, which is managed and developed effectively in line with acknowledged best practice, and is sensitive to social and environmental considerations delivering Estate solutions to Defence needs'.

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18. The Infrastructure necessary for an equipment project (whether Estates provision, construction works, maintenance etc) can be delivered by:

- a A CEStO/DE through the Estate delivery Programme (Core Works / Core Services) or:
- b The Equipment Project (either Prime Contractor, PFI or PPP) in an arrangement known as a 'Hybrid Project': or
- c A combination of the two.

19. The Infrastructure Line of Development (ILOD) should fully take account of the Infrastructure (Estates) requirements to support the equipment project. This should consider all infrastructure aspects affected by the project whether provided by the MOD or by the procurement partner (PPP / PFI) including:

- a Estates provision (acquisition or sale, leasing or hiring).
- b Construction works (new build or refurbishment).
- c Through Life Management.
- d Maintenance (facility management).
- e Provision of soft services (cleaning / catering).
- f Use of shared areas.
- g Sustainable Development.
- h Termination and / or disposal or eventual transfer of asset.

20. Facilities and Infrastructure are integral components which must be designed and built into an equipment requirement from the outset. Together these are an important performance parameter which underpins Availability, Supportability, Sustainability and Affordability.

21. Integrated Logistic Support (ILS) principles are applied to both equipment and infrastructure issues, including, from the outset, the application of Configuration Management (CM) (JSP 886 Volume 7 Part 8.1), procedures, and the planning of eventual disposal, for both the equipment and the associated infrastructure elements. Refer to JSP 886 Volume 7 Part 2, Paragraph 29.

POLICY

22. Facilities and Infrastructure requirements shall be afforded full consideration along with equipment performance, cost and project timescale throughout the CADMID / CADMIT cycle.

23. Facilities and Infrastructure requirements shall be addressed in Initial Gate (IG) and Main gate (MG) Business Cases plus Investment Appraisals (IA) to the satisfaction of the approving authority.

24. Only those requirements which have been fully articulated, costed and assured by the relevant subject matter experts (SMEs) shall be considered by the CEStO in

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conjunction with DE and where applicable included in the Regional Prime Contracts (RPC).

25. The PT Leader shall appoint a competent focal point to liaise with the CEstO and DE throughout the life of the project.

ASSOCIATED STANDARDS AND GUIDANCE

26. It is the responsibility of the Integrated Logistic Support Manager (ILSM) to ensure that Facilities and Infrastructure are in place when the new equipment is brought into service. The following references are applicable:

- a Acquisition Operating Framework (AOF).
- b [CEstO BC Templates and Guidance](#).
- c [Approvals Support Team](#).
- d [DE&S Standing Instructions](#).
- e [JSP 886 Volume 7 Part 2: ILS Manual Chapter 00.09](#).
- f Urgent Operational Requirements Guide Standing Instruction: guide includes Infrastructure.

OWNERSHIP AND POINTS OF CONTACT

27. The policy for Facilities and Infrastructure is sponsored by DES JSC TLS-Pol-DHd.

Contact Details

28. Contact details are as follows:

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 - (3) Core Services – Infra Core Services Minor New Works.
DES Infra-Core Svs MNW. Tel: Mil: 9355 Ext 68658.

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FACILITIES AND INFRASTRUCTURE INTEGRATION ACTIVITIES.

Acquisition	Activity	Product	Responsibility
Concept	Conduct OA modelling to reflect realistic Facilities and Infrastructure requirements	OA reports	CAP
	Form Concept Panel to address Facilities and Infrastructure requirements		CAP
	Define operating Context	Mission	CAP
	Initiate Progressive Assurance Process		CAP
	Determine high level Facilities and Infrastructure requirements	KUR(s) / URD	CAP / CEStO
	Gain IAB approval for Facilities and Infrastructure requirements	Initial Gate Business Case	CAP / CEStO
Assessment	Form Project Panel to manage Facilities and Infrastructure requirements		PTL / DE
	Outline how Facilities and Infrastructure requirements should be delivered		DE
	Advance Progressive Assurance process		PTL
	Refine Facilities and Infrastructure requirements	URD	PTL / CEStO
	Gain IAB approval for Facilities and Infrastructure requirements	Main Gate Business Case	PTL / CEStO / AST
Demonstration	Maintain Project Panel to manage Facilities and Infrastructure requirements		PTL / DE / CEStO
	Ensure Performance, cost and time parameters can be met		PTL / DE
	Determine how Facilities and Infrastructure requirements should be delivered	Plan	DE / PTL
Migrate / Manufacture	DE manage build, delivery and transfer of requirement to TLB.	Project Management	DE / CEStO / PT
In-service	Maintain Facilities and Infrastructure	RPC / WSMI	DE / HofE
	Provide Progressive Assurance	PTL	PTL / Supplier
Terminate / Disposal	Confirm Facility / Infrastructure no longer required	Declaration to CEStO	CEStO / DE