1.   Introduction

1.0.1   There is increasing scrutiny on all government procurement, including that undertaken by the MOD. One aspect of this concerns environmental issues, which are progressively receiving more attention. This is only likely to further increase with time and the application of broader requirements of sustainable procurement. It is important that MOD can demonstrate that it has put in place appropriate management controls and procedures as part of the acquisition process, to identify and manage its potential environmental impacts, and any related risks, throughout the lifetime of defence projects.

1.0.2   Project risk, and hence risk to operational effectiveness, resulting from environmental issues can be manifest in many different ways, including:

- Cost inflation at all life cycle stages including disposal;

- Delays to projects and in-service dates;

- Legal penalties from breaching regulations;

- Clean-up, remediation or compensation costs;

- Reputation damage;

- Environmental impairment;

- Restrictions upon training or peacetime operations.

1.0.3   Therefore, MOD has decided to implement a Project Oriented Environmental Management System (POEMS) for acquisition projects. The POEMS covers the work of all Integrated Project Teams (IPTs) and is designed to comply with Government policy whilst meeting many stakeholders' expectations. In essence, through POEMS, IPTs will identify the significant potential environmental impacts and risks associated with equipment systems and services acquisition projects and demonstrate either elimination or management and continuous improvement of these throughout the life cycle of the project.

1.0.4   The principal business benefits arising from implementing the POEMS will be:

- Cost benefits through eliminating the need for reworks and delays caused by late identification of significant environmental issues;

- Reduction of risks to MOD of large and unplanned costs relating to necessary restoration of land to its pre-accident/incident state;

- Reduction of project risk resulting from environmental issues;

- Demonstration to internal and external stakeholders that MOD's safety and environmental policy is being achieved in the acquisition process in a structured and formal way;

- The identification of any environmental benefits arising from the project;

- Assisting with meeting the requirements of the Freedom of Information Act and the Environmental Information Regulations.

1.0.5   Many IPTs are well advanced in the process of identifying and managing environmental impacts associated with projects. However, the introduction of a MOD wide POEMS and its associated environmental assessment methodologies should improve the consistency in application of environmental management across all IPTs and acquisition projects.

1.0.6   The purpose of this document is to explain the contents and operation of the environmental management element of the MOD's Acquisition Safety and Environmental Management System (ASEMS). This element is known as the Project-Oriented Environmental Management System (POEMS).

1.0.7   This document describes the environmental management processes and procedures to be employed during a project's life cycle within the DE&S or by contractors or consortia working for them. It will enable DE&S project teams to develop and operate at the project level, Environmental Management Systems that are appropriate for discharging their delegated responsibilities and satisfying the requirements defined in legislation, Departmental policy and domain-specific policy set by MOD's Functional Safety Boards (FSBs).

1.0.8   The POEMS stresses the importance of identifying and consulting with stakeholders and Subject Matter Experts (SMEs) so that project teams can discharge their delegated responsibilities. Environmental management can only be achieved and sustained through co-ordinated effort by authorities with responsibilities for operation, maintenance and training, as well as design, manufacture and upkeep.

1.1   Application

1.1.1   The procedures and processes contained in the POEMS, apply to, and are to be followed by, all those to whom Chief Defence Materiel has delegated authority to for the management of environmental issues in the equipment and services procured and managed by the DE&S.

1.2   Relationship to MOD Policy and Domain Requirements

1.2.1   These procedures have been designed to provide those with delegated authority for environmental management issues with a mechanism by which they may discharge those responsibilities.

1.2.2   At the Departmental level, MOD policy and requirements can be found in The Secretary of State's Safety, Health and Environmental Protection Statement[1].

1.2.3   MOD specific policy and requirements for the management of the environment in relation to the equipment and services MOD procures, supports and operates can

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[1] Policy Statement in Safety, Health and Environmental Protection in the MOD (December 2006)

be found in Joint Service Publications (JSP) 418. Domain specific policy and requirements for the management of environment in relation to the equipment and services MOD procures, supports and operates can be found in a series of Joint Service Publications (JSP) published by the MOD Functional Safety Boards:

Safety Health Environment and Fire Board (SHEFB), publish JSP 375 MOD Health and Safety Handbook and JSP 418 MOD Sustainable Development and Environmental Management Handbook.

Defence Aviation Safety Board (DASB), publishes JSP 553 series covering aviation safety.

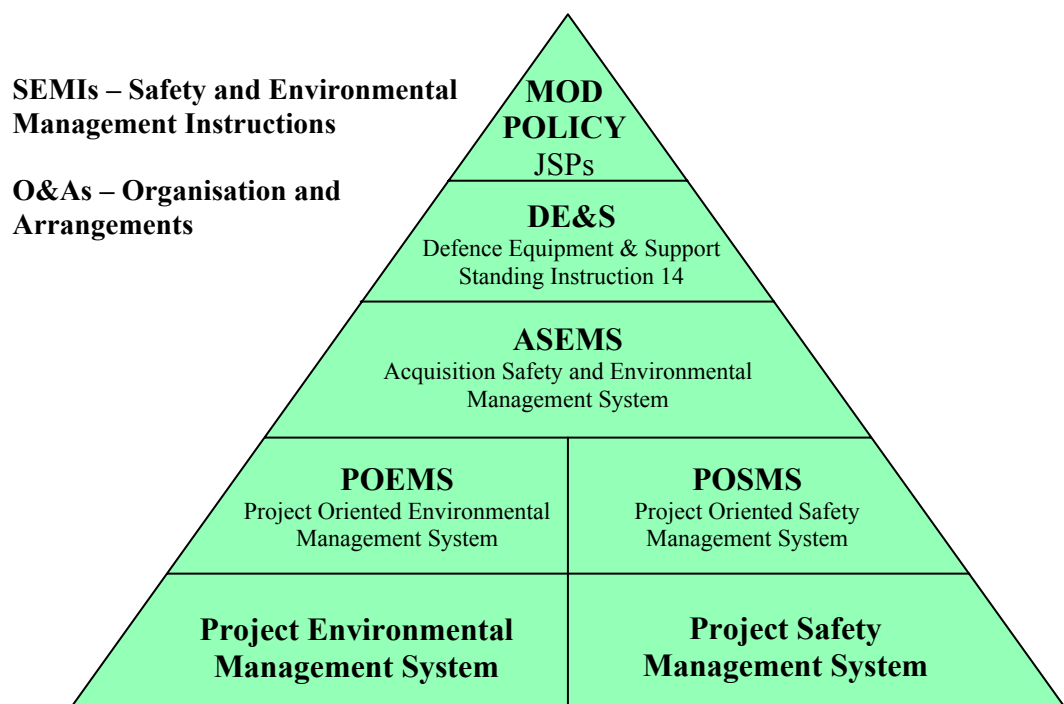**Ship Safety Board (SSB)** publishes JSP 430 MOD Ship Safety Management.

Land Systems Safety Board (LSSB), publishes JSP 454 MOD System Safety and Environmental Assurance for Land Systems.

Defence Ordnance Safety Board (DOSB), publishes JSP 520 UK MOD's Ordnance, Munitions And Explosives Safety Management System.

Defence Nuclear Safety Board (DNSB), publishes JSP 518 Regulation of Naval Nuclear Propulsion Programme and JSP 538 Regulation of the Nuclear Weapon Programme.

The relationship between JSPs, the document and the Manuals, is shown in Figure 1.1 below:

Figure 1.1:   **Relationship between MOD Environment and Safety Documentation**

SEMIs – Safety and Environmental Management Instructions

O&As – Organisation and Arrangements

MOD POLICY
JSPs

DE&S
Defence Equipment & Support Standing Instruction 14

ASEMS
Acquisition Safety and Environmental Management System

POEMS
Project Oriented Environmental Management System

POSMS
Project Oriented Safety Management System

Project Environmental Management System

Project Safety Management System

1.3 Document Contents and Structure

1.3.1 This document is organised into the following main sections:

Section	Title
1.	Introduction
2.	Description of the POEMS
3.	POEMS Management and Responsibilities
4.	How To Do It
5.	POEMS Process Maps
6.	Core Procedures
7.	Support Procedures
8.	Assurance and Audit Procedures
9.	Glossary and Abbreviations

1.4 Document History

1.4.1 This Release Version 2.2e is the third release of the Manual Text and Core Procedures, and second release of the Support Procedures and Assurance and Audit (A&A) Procedures. It is designed for use by IPTs in equipment and services acquisition projects.

1.4.2 Future development of the Manual and its content will result in the issue of updated versions. Document, quality and version control of the Manual will be managed by Acquisition Safety and Environmental Group (ASEG). It is important that readers of the Manual and Procedures verify that they are accessing the current 'approved for use' version.

1.4.3 Readers should note that Version 2.2e relates to the POEMS and Version 2.2s relates to the POSMS. Whilst the current version numbers for the POSMS and POEMS are the same it should be expected that over time different version issues may be undertaken. Version number realignment between the POEMS and POSMS will be undertaken only at major version re-issues.

1.4.4 This document, the POEMS Manual, is a Controlled Document within the POEMS. It has been developed in consultation with major MOD stakeholders.