

Serial Number: SEB 055

*Keeping our Safety and Environmental Practitioners informed*

<b>Update of POEMS in reflection of S&amp;EP Leaflet 18/2023</b>	
<b>When it takes effect:</b>	Immediately
<b>Valid for:</b>	Until rescinded
<b>Point of contact:</b>	DES EngSfty-QSEP-EP SA-EP ATL <a href="mailto:DESEngSfty-QSEPSEP-EnvTeam@mod.gov.uk">DESEngSfty-QSEPSEP-EnvTeam@mod.gov.uk</a> Spruce 2C, MOD Abbey Wood #1260

## Description

This SEB details updates to Project Oriented Environmental Management System (POEMS) within the Acquisition Safety and Environmental Systems (ASEMS) Part 2 (Guidance), which have been undertaken to reflect [S&EP Leaflet 18/2023 - Delivering Sound Environmental Performance in DE&S Acquisition](#).

1. S&EP Leaflet 18/2023 was published in August 2023 to provide a formal structure of environmental responsibilities to be used in DE&S throughout the acquisition lifecycle of the Products, Systems and Services (PSS).
2. In parallel to the publication of Leaflet 18/2023, [SEB051](#) was published and detailed the ASEMS Part 1 policy clauses amendments required to reflect Leaflet 18/2023.

## Guidance Updates

3. ASEMS Part 2 contains guidance for projects to meet Safety and Environmental Policy Clauses contained in ASEMS Part 1. Part 2 includes POEMS Environmental Management Procedures (EMPs).
4. To ensure alignment of the Part 1 and Part 2, several updates have been incorporated in the guidance in POEMS. This ensures the guidance reflects Leaflet 18/2023 and the associated Policy Clauses updates summarised in SEB051.

5. The publication of Leaflet 18, and SEB051, have resulted in the updates to POEMS EMPs 01 to 09 to reflect both the taxonomy and the four environmental outcomes that, when successfully delivered together, enables PSS to deliver sound environmental performance.
6. A full breakdown of the updates is detailed in Annex A – ASEMS Part 2 Updates.

## **Actions to be taken**

7. Domains are required to review the changes identified within Annex A. Feedback on the changes can be provided to QSEP, via email address above, on or before the end of February 2024. As a result of feedback, the POEMS may be updated.
8. The POEMS guidance, which has been updated in reflection of S&EP Leaflet 18/2023, should be applied for all new projects from June 2024. For existing projects, the updated guidance should be implemented at the next review.
9. Cascade as appropriate.

*Released under the Authority of*

**Michael Brown**

**DES EngSfty-QSEP-EP SA-TL**

Annex A – ASEMS Part 2 Updates

Section	Para #	Superseded Wording	Extant Wording
<b>EMP01. Environmental Management Plan</b>			
Summary		<p>A fully resourced plan to manage potential impacts to the environment should be developed. It is likely that aspects will be known to the Delivery Team prior to commencement of the POEMS Process. This procedure should allow the Delivery Team to budget, resource tasks that may be required to assess the significance of the impacts from the project and to demonstrate that any significant impacts are minimised or reduced, as far as reasonably practicable.</p>	<p>A fully resourced plan to <del>manage potential impacts to the environment</del> <b>facilitate proactive environmental management</b> should be developed. It is likely that aspects will be known to the Delivery Team prior to commencement of the POEMS Process. This procedure should allow the Delivery Team to budget <b>and</b> resource tasks that <del>may be required to assess the significance of the impacts from the project and to demonstrate that any significant impacts are minimised or reduced, as far as reasonably practicable</del> <b>and ensure products, systems and services deliver sound environmental performance.</b></p>

Section	Para #	Superseded Wording	Extant Wording
1.2.6. Compliance (EMP03)	1.2.6.1.	The Environmental Management Plan shall establish how environmental standards information will be accessed and how demonstration of compliance will be achieved, in accordance with EMP03 [9].	The Environmental Management Plan shall establish how environmental <del>standards information compliance obligations</del> will be <del>identified accessed</del> and how demonstration of compliance will be achieved, in accordance with EMP03 [9].
1.3. Responsibilities	1.3.0.1.	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <del>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent),</del> is responsible for ensuring adequate resources are dedicated to <del>the environmental management activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner.</del> <del>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</del>

Section	Para #	Superseded Wording	Extant Wording
	1.3.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner. Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and</del> environmental <del>protection management</del> (including compliance with this procedure), <del>shall</del> may be formally delegated in writing to a named, competent individual(s), identified as ER, within the team.
1.5. Required Inputs	1.5.0.1.h.	Domain Specific Guidance/Requirements (eg. JSP 454).	Domain Specific Guidance/Requirements (e.g., <del>JSP-454</del> Defence Regulations).

Section	Para #	Superseded Wording	Extant Wording
1.6.2. The Environmental Case	1.6.2.1.	The Environmental Case is a structured argument and body of evidence that supports a project's environmental claims.	<p>The Environmental Case is a structured argument and body of evidence that supports <del>a project's environmental claims</del> the claim that the product, system or service delivers sound environmental performance.</p> <p>To enable Delivery Teams to demonstrate that 'the product, system or service delivers Sound Environmental Performance'; the followings four environmental outcomes should be used as measures of success (or sub-claims):</p> <ol style="list-style-type: none"> <li>The product, system or service fulfils its environmental compliance obligations;</li> <li>The product, system or service prevents or mitigates the potential for unintended events which could result in adverse environmental impact(s);</li> <li>Opportunities are used to enhance environmental performance of the product, system or service and support sustainable procurement;</li> <li>The product, system or service is resilient to changing environmental conditions and can therefore maintain operational capability.</li> </ol>
<b>EMP02. Stakeholder Communications</b>			
2.2.1. Step 1: Identify Stakeholders, their Requirements and Information Available	2.2.1.1.b.	May be given responsibility for the project in later stages of CADMID or CADMIT (e.g. other Delivery Teams, Disposal Services Authority etc.);	May be given responsibility for the project in later stages of CADMID or CADMIT (e.g., other Delivery Teams, <del>Disposal Services Authority</del> Defence Equipment Sales Authority (DESA) etc.);

Section	Para #	Superseded Wording	Extant Wording
2.2.3. Step 3: Stakeholder Agreements: Define and Agree Project Environmental Responsibilities	2.2.3.1	Environmental responsibilities in relation to the project must be clearly defined and agreed with the relevant internal and external stakeholders. This includes the designation of a member of the Delivery Team who will be responsible for environmental issues related to the project throughout its whole life cycle.	Environmental responsibilities in relation to the project must be clearly defined and agreed with the relevant internal and external stakeholders. This includes the designation of <del>a</del> members of the Delivery Team who <del>will be responsible for environmental issues related to the project throughout its whole life cycle</del> are the nominated 'Senior Environmental Responsible' (SER) individual and any individuals delegated as 'Environmental Responsible' (ER) by the SER. The scope and boundaries of the SER and ER(s) responsibilities in ensuring the product, systems or service delivers sound environmental performance should also be clearly defined.
2.3. Responsibilities	2.3.0.1	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The SER individual, the Delivery Team Leader (or equivalent), is responsible for ensuring adequate resources are dedicated to <del>the environmental</del> management <del>activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner.</del> successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as ER, within the team.

Section	Para #	Superseded Wording	Extant Wording
	2.3.0.2	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner. Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and</del> environmental <del>protection management</del> (including compliance with this procedure), <del>shall may</del> be formally delegated in writing to a named, competent individual(s), <del>identified as ER</del> , within the team.
<b>EMP03. Standards Identification and Demonstration of Compliance</b>			
EMP Title		Standards Identification and Demonstration of Compliance	<del>Standards Identification</del> Identifying Compliance Obligations and Demonstration of Compliance
Summary		It is important to identify environmental standards that apply to projects in order to demonstrate compliance. This procedure better enables Delivery Teams to identify relevant environmental standards and requirements, understanding how compliance is achieved and how compliance arguments should be built and recorded.	It is important to identify environmental <del>standards compliance obligations</del> that apply to projects in order to demonstrate compliance. This procedure better enables Delivery Teams to identify relevant environmental <del>standards and requirements compliance obligations</del> , understanding how compliance is achieved and how compliance arguments should be built and recorded.



Section	Para #	Superseded Wording	Extant Wording
Procedural Overview	3.1.	It is important to identify any environmental standards that potentially apply to the project in order to be able to meet their demands and demonstrate compliance. (Note that 'standards' in this context includes legislation, agreements, MOD policies and strategies). Details of how compliance is achieved shall also be recorded. The completed Form <a href="#">EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements</a> [1] should be used to detail this.	It is important to identify any environmental <del>standards</del> <b>compliance obligations</b> that potentially apply to the project in order to be able to meet their demands and demonstrate compliance. ( <del>Note that 'standards' in this context includes legislation, agreements, MOD policies and strategies</del> ). In the context of this procedure, compliance obligations can arise from the following: <ul style="list-style-type: none"> <li>a. Legal requirements (to ensure products, systems or services are legal to procure, legal to operate, legal to support, and legal to dispose of);</li> <li>b. Defence specific requirements, such as defence regulations, strategy commitments, MOD policy, and commercial policy;</li> <li>c. DE&amp;S requirements, such as DE&amp;S organisational commitments or policy; and</li> <li>d. User and wider stakeholder requirements.</li> </ul> Details of how compliance is achieved shall also be recorded. The completed Form <a href="#">EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements</a> [1] should be used to detail this.
Title	3.2.1	Step 1: Identify Environmental Standards and their Requirements	Step 1: Identify Environmental <b>Compliance Obligations</b> <del>Standards</del> and their Requirements

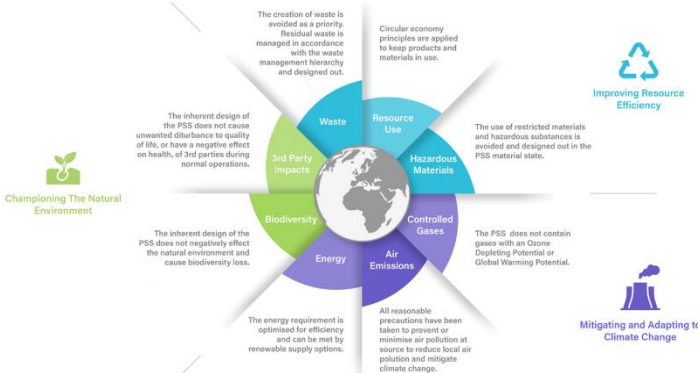
Section	Para #	Superseded Wording	Extant Wording
3.2.1. Step 1: Identify Environmental Standards and their Requirements	3.2.1.1.	<p>This stage identifies all the environmental standards and their requirements that may realistically apply to the project over its entire life cycle. This should include:</p> <ul style="list-style-type: none"> <li>a. National and international environmental legislation and agreements;</li> <li>b. MOD Environmental Policy commitment, strategy commitments and internal regulation.</li> </ul>	<p>This stage identifies all the environmental <del>standards</del><b>compliance obligations</b> and their requirements that may realistically apply to the project over its entire life cycle. <del>This should include:</del></p> <ul style="list-style-type: none"> <li><del>a. National and international environmental legislation and agreements;</del></li> <li><del>b. MOD Environmental Policy commitment, strategy commitments and internal regulation.</del></li> </ul>
	3.2.1.2.	<p>Form EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements [1], shall be used to list and document these standards for each of the life cycle stages. If the Delivery Team proposes using an alternative approach to recording environmental standards, this will require agreement from QSEP.</p>	<p>Form EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements [1], shall be used to list and document these standards for each of the life cycle stages. If the <b>Operating Centre, Delivery Team or equivalent</b> proposes using an alternative approach to recording environmental <del>standards</del><b>compliance obligations</b>, this will require agreement from <del>QSEP</del><b>the applicable Executive Environmental Responsible (EER) individual.</b></p>
		<p>Useful information sources for identifying relevant environmental standards include:</p> <ul style="list-style-type: none"> <li>a. <a href="#">JSP 418</a> [3] for UK operations;</li> <li>b. <a href="#">DSA01.1 Defence Policy for Health, Safety and Environmental Protection</a> [3];</li> <li>c. Stakeholders, particularly in regards to non-UK environmental legislation and agreements;</li> <li>d. OC specific legislation;</li> <li>e. Environmental Committee.</li> </ul>	<p>Useful information sources for identifying relevant environmental <del>standards</del><b>compliance obligations</b> include:</p> <ul style="list-style-type: none"> <li>a. JSP 418 [3] for UK operations;</li> <li><del>b. DSA01.1 Defence Policy for Health, Safety and Environmental Protection-Defence Regulations</del> [3];</li> <li>c. Stakeholders, particularly in regards to non-UK environmental legislation and agreements;</li> <li><del>d. OC specific legislation;</del></li> <li>e. Environmental Committee.</li> </ul>

Section	Para #	Superseded Wording	Extant Wording
	3.2.1.4.	When identifying environmental standards consideration shall be given to future environmental legislation within the boundaries of the project. OC's and Defence Regulators can be a useful source of information as can a number of external environmental legislation update services.	When identifying environmental <del>standards</del> <b>compliance obligations</b> consideration shall be given to future environmental legislation within the boundaries of the project. <del>Operating Centres</del> <b>OC's</b> and Defence Regulators can be a useful source of information as can a number of external environmental legislation update services.
3.2.4. Step 4: Documented Compliance Argument	3.2.4.2.	Details of how compliance with Regulations and Standards is maintained shall be summarised in Form <a href="#">EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements</a> [1], and detailed explanation of any compliance issues shall be described in the Environmental Case Report.	Details of how compliance with <del>Regulations and Standards</del> <b>the identified compliance obligation</b> is maintained shall be summarised in Form <a href="#">EMP03/F/01 SMP01/F/03 - Register of Legislation and Requirements</a> [1], and detailed explanation of any compliance issues shall be described in the Environmental Case Report.
3.3. Responsibilities	3.3.0.1	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <del>Senior Environmental Responsible (SER) individual, the</del> <b>Senior Environmental Responsible (SER) individual, the</b> Delivery Team Leader <del>(or equivalent)</del> , is responsible for ensuring adequate resources are dedicated to <del>the</del> <b>environmental</b> management <del>activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner</del> <b>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance.</b> The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.

Section	Para #	Superseded Wording	Extant Wording
	3.3.0.2	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner. Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and</del> environmental <del>protection management</del> (including compliance with this procedure), <del>shall may</del> be formally delegated in writing to a named, competent individual(s), <del>identified as ER</del> , within the team.
3.5. Required Inputs	3.5.0.1.	Useful information sources for identifying relevant environmental standards include: <ul style="list-style-type: none"> <li>a. <a href="#">U [3]K Government Legislation Database [3]</a></li> <li>b. <a href="#">JSP 418 [3]</a>for UK operations;</li> <li>c. <a href="#">DSA01.1 Defence Policy for Health, Safety and Environmental Protection [3]</a>;</li> <li>d. Stakeholders, for example: Defence Regulators;</li> <li>e. Environmental Committee.</li> </ul>	Useful information sources for identifying relevant environmental <del>standardscompliance obligations</del> include: <ul style="list-style-type: none"> <li>a. <a href="#">U [3]K Government Legislation Database [3]</a></li> <li>b. <a href="#">JSP 418 [3]</a> for UK operations;</li> <li>c. <del>Defence Regulations</del> <a href="#">DSA01.1 Defence Policy for Health, Safety and Environmental Protection [3]</a>;</li> <li>d. Stakeholders, for example: Defence Regulators;</li> <li>e. Environmental Committee.</li> </ul>
<b>EMP04. Environmental Impact Screening and Scoping</b>			
4.2.1. Step 1: Form a working group	4.2.1.2.	The working group shall be led by a system safety and environmental manager with the relevant environmental competence as outlined in <a href="#">DE&amp;S leaflet 10/2017 [6]</a> (system safety and environmental competence mapping). They will record the knowledge and experience in the working group (normaly in a set of minutes and/or use of a SQEP form) and seek to ensure it is suffiecent to accurately identify and prioritise the environmental impacts associated with the project.	The working group shall be led by an <del>system safety and</del> environmental <del>professional manager</del> with the relevant environmental competence as outlined in <del>DE&amp;S leaflet 10/2017 [6] (system safety and environmental competence mapping)</del> the DE&S Engineering Success Profiles for Environmental Professional (minimum Professional II). They will record the knowledge and experience in the working group ( <del>normalynormally</del> in a set of minutes and/or use of a SQEP form) and seek to ensure it is <del>suffiecent</del> <del>sufficient</del> to accurately identify and prioritise the environmental impacts associated with the project.

Section	Para #	Superseded Wording	Extant Wording
4.2.2. Step 2: Identify activities, environmental aspects and impacts	4.2.2.2.c.	Emergency situation (E) - An unplanned incident.	Emergency situation (E) - An unplanned incident <b>or unintended event.</b>
4.2.7. Step 7: Communicate priority of environmental impacts to stakeholders	4.2.7.4.	The EISS report, along with a finalised EFM [2] should be verified by the competent working group and formally authorised and accepted by the DT's team leader.	The EISS report, along with a finalised <b>EFM</b> [2] should be verified by the competent working group and formally authorised and accepted by the <b>DT's team leader Senior Environmental Responsible (SER), the Delivery Team Leader (or equivalent), for the product, system or service.</b>
4.3. Responsibilities	4.3.0.1	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <b>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent),</b> is responsible for ensuring adequate resources are dedicated to <del>the environmental management activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner.</del> <b>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</b>

Section	Para #	Superseded Wording	Extant Wording
	4.3.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner. Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and environmental protection management</del> (including compliance with this procedure), <del>shall may</del> be formally delegated in writing to a named, competent individual(s), <del>identified as ER</del> , within the team.
<b>EMP06. Objectives and Targets</b>			
Summary		Setting objectives and targets are vital in helping to maintain environmental performance and drive continuous improvement. This procedure should help Delivery Teams identify objectives and targets related to impacts or aspects assessed as medium or high priority.	Setting objectives and targets are vital in helping to <del>deliver sound environmental performance maintain environmental performance</del> and drive continuous improvement. This procedure should help Delivery Teams identify objectives and targets related to impacts or aspects assessed as medium or high priority.
6.1 Summary	6.1.0.1.	This procedure represents the first step of the Environmental Impact Management (EIM) process which will assist Delivery Teams to manage their medium and high environmental priorities. Objectives and targets can represent mitigating activity and should be recorded in the <a href="#">EFM</a> [1].	This procedure represents the first step of the Environmental Impact Management (EIM) process which will assist Delivery Teams to manage their medium and high environmental priorities. Objectives and targets can represent mitigating activity <del>and should be recorded in the <a href="#">EFM</a> [1].</del>
6.2 Procedural Overview	6.2.0.1.	Medium and high environmental priorities and other important factors assessed during previous EMPs shall be assigned targets and objectives in order to reduce or eliminate the environmental impacts of the project. Objectives and targets can represent mitigating activity and should be recorded in the <a href="#">EFM</a> [1].	Medium and high environmental priorities and other important factors assessed during previous EMPs shall be assigned targets and objectives in order to reduce or eliminate the environmental impacts of the project, <del>with the aim to deliver sound environmental performance. Objectives and targets can represent mitigating activity and should be recorded in the <a href="#">EFM</a> [1].</del>

Section	Para #	Superseded Wording	Extant Wording
	6.2.0.4.	Objectives and targets are vital in helping to maintain environmental performance and drive continuous improvement. Once objectives and targets have been developed, they will inform, and be documented within, the Environmental Management Plan (EMP) ( <a href="#">EMP01 - Environmental Management Plan</a> [3]).	Objectives and targets are vital in helping to <b>maintain deliver sound</b> environmental performance and drive continuous improvement. Once objectives and targets have been developed, they will inform, and be documented within, the Environmental Management Plan (EMP) ( <a href="#">EMP01 - Environmental Management Plan</a> [3]).
	6.2.0.5.	(NEW)	<p>The following set of high-level objectives should be used as a prompt to set objectives which enhance the environmental performance of the product, system or service beyond a baseline compliant position. They reflect the significant, common, environmental aspects of DE&amp;S' products, systems and services and should be used as a key point of reference when exploiting opportunities to enhance the environmental performance of products, systems and services.</p> <p><i>[Insert diagram from Leaflet 18 or add context as a table]</i></p> <p>Figure 1 Objectives to Enhanced Environmental Performance of Products, Systems and Services</p> 

Section	Para #	Superseded Wording	Extant Wording
Step 2: Set Objectives and Targets	6.3.2.1.	Any measures to eliminate, mitigate or manage environmental impacts that were identified in <a href="#">EMP04 Impact Screening and Scoping</a> [5], shall be considered when developing objectives and targets.	<del>Any measures to eliminate, mitigate or manage environmental impacts that were identified in <a href="#">EMP04 Impact Screening and Scoping</a> [5], shall be considered when developing objectives and targets.</del>
	6.3.2.2.	In addition, consideration must also be given to developing objectives and targets to ensure that the project conforms to any environmental standards identified in Procedure <a href="#">EMP03 - Standards Identification</a> [6], and to ensure that no deterioration in environmental performance occurs. Consideration of stakeholder concerns can also be part of objective and target setting, particularly for projects where there may be considerable interest from the general public or environmental pressure groups.	<del>In addition,</del> Consideration must <del>also</del> be given to developing objectives and targets to ensure that the project conforms to any environmental <del>compliance obligations standards</del> identified in Procedure <a href="#">EMP03 – Identifying Compliance Obligations and Demonstration of Compliance Standards Identification</a> [6], and to ensure that no deterioration in environmental performance occurs. Consideration of stakeholder concerns can also be part of objective and target setting, particularly for projects where there may be considerable interest from the general public or environmental pressure groups.
	6.3.2.7.c.	Applicable legislation and standards;	Applicable <del>compliance obligations legislation and standards</del> ;



Section	Para #	Superseded Wording	Extant Wording
Step 3: Document Objectives and Targets	6.3.3.1	<p>Firstly, enter the environmental impact, standard requirement (including legislation and policies) or stakeholder concern you are aiming to manage into the first column of Form <a href="#">EMP06/F/02 - Environmental Objective and Target Register</a> [8]. For environmental impacts, this information should be taken from Form <a href="#">Environmental Features Matrix</a> [1] [9](output from Procedure <a href="#">EMP04</a> [5]) and for standard requirements and stakeholder concerns, captured in Forms <a href="#">EMP02/F/01</a> [10] and <a href="#">EMP02/F/02</a> [11]. Next, transfer the identified objectives and targets from completed Form <a href="#">EMP06/F/01</a> [12] to Form <a href="#">EMP06/F/02</a> [13] and assign a reference for each.</p>	<p>Firstly, enter the environmental impact, <b>compliance obligation <del>standard requirement</del></b> (including legislation and policies) or stakeholder concern <b>to be managed <del>you are aiming to manage</del></b> into the first column of Form <a href="#">EMP06/F/02 - Environmental Objective and Target Register</a> [8]. For environmental impacts, this information should be taken from Form <a href="#">Environmental Features Matrix</a> [1] [9](output from Procedure <a href="#">EMP04</a> [5]) and for <b>compliance obligations <del>standard requirements</del></b> and stakeholder concerns, captured in Forms <a href="#">EMP02/F/01</a> [10], <b>and</b> <a href="#">EMP02/F/02</a> [11], <b>and</b> <a href="#">EMP03/F/01</a> [16]. Next, transfer the identified objectives and targets from completed Form <a href="#">EMP06/F/01</a> [12] to Form <a href="#">EMP06/F/02</a> [13] and assign a reference for each.</p>
Step 5: Verification	6.3.5.1.	<p>It is appropriate for objectives and targets to be developed by a Working Group, Committee or a body of SQEP. The member of the Project with formally-delegated environmental responsibilities will accept the objectives and targets when included in the Environmental Case Report by endorsing the report.</p>	<p>It is appropriate for objectives and targets to be developed by a Working Group, Committee or a body of SQEP. The <b>Senior Environmental Responsible (SER)</b> member of the Project, with formally delegated environmental responsibilities, will accept the objectives and targets when included in the <b>Environmental Management Plan and/or</b> Environmental Case Report by endorsing the report.</p>

Section	Para #	Superseded Wording	Extant Wording
6.4. Responsibilities	6.4.0.1.	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <b>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent)</b> , is responsible for ensuring adequate resources are dedicated to <b>the environmental management activities of safety and environmental protection</b> within their area of responsibility, and for facilitating appropriate arrangements to <b>discharge responsibilities relating to this procedure in an efficient and effective manner.</b> <del>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</del>
	6.4.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	<del>The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.</del> Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <b>safety and environmental protection management</b> (including compliance with this procedure), <del>shall</del> <b>may</b> be formally delegated in writing to a named, competent individual(s), <b>identified as ER</b> , within the team.

Section	Para #	Superseded Wording	Extant Wording
6.8. Further Guidance	6.8.0.1.	<p>Environmental management guidance can be found in the following publications:</p> <ul style="list-style-type: none"> <li>a. DSA01.1 Defence Policy for Health, Safety and Environmental Protection [2];</li> <li>b. JSP 418 Management of Environmental Protection in Defence [2];</li> <li>c. DSA02-DMR MOD Shipping Regulations for Safety and Environmental Protection [2];</li> <li>d. JSP454 Land Systems Safety and Environmental Protection [2];</li> <li>e. JSP518 Regulation of the Naval Nuclear Propulsion Programme [2];</li> <li>f. JSP520 Safety and environmental management of ordnance, munitions and explosives over the equipment acquisition cycle [2].</li> </ul>	<p>Environmental management guidance can be found in the following publications:</p> <ul style="list-style-type: none"> <li>a. <del>DSA01.1 Defence Policy for Health, Safety and Environmental Protection [2]</del> JSP 816 Defence Environmental Management System Framework (Parts 1 and 2);</li> <li>b. JSP 418 Management of Environmental Protection in Defence [2];</li> <li>c. <del>Defence Regulations DSA02-DMR MOD Shipping Regulations for Safety and Environmental Protection [2];</del></li> <li>d. <del>JSP454 Land Systems Safety and Environmental Protection [2];</del></li> <li>e. <del>JSP518 Regulation of the Naval Nuclear Propulsion Programme [2];</del></li> <li>f. <del>JSP520 Safety and environmental management of ordnance, munitions and explosives over the equipment acquisition cycle [2].</del></li> </ul>
<b>EMP07. Environmental Impact Management</b>			
Step 2: Consider medium priority and high priority environmental impacts	7.3.2.1.	<p>Where Procedure <a href="#">EMP04 Impact Screening and Scoping</a> [1] [2] has shown that there is a potential for adverse environmental impacts of medium priority or high priority, then appropriate actions to eliminate, reduce and/or monitor the associated environmental aspects, shall be formulated. The categorisation of impacts into medium priority and high priority will assist Delivery Teams to make appropriate management decisions for addressing the impacts.</p>	<p>Where Procedure <a href="#">EMP04 Impact Screening and Scoping</a> [1] [2] has shown that there is a potential for adverse environmental impacts of medium priority or high priority, then appropriate actions to eliminate, reduce and/or monitor the associated environmental aspects, shall be formulated. The categorisation of impacts into medium priority and high priority will assist Delivery Teams to make appropriate management decisions for addressing the impacts <b>to deliver sound environmental performance.</b></p>

Section	Para #	Superseded Wording	Extant Wording
	7.3.2.6.	<p>Note - environmental management has not failed in any way if environmental impacts cannot be removed or mitigated against. Providing there is an operational case that outweighs the environmental issues, the project can still proceed provided that the POEMS assessment has been conducted and provides evidence that the environmental impacts have been considered. This will demonstrate that practical and reasonable measures have been put in place to eliminate all but the unavoidable adverse environmental impacts. It is here where there may be benefits from managing 'Normal' impacts separately to the abnormal and emergency events that may be experienced In-Service. Care must be taken to identify aspects that can be controlled by procurement Delivery Teams, and full recording and justification of decisions must be carefully described.</p>	<p>Note - environmental management <del>conducted is to be proportionate to the product, system or service. has not failed in any way if environmental impacts cannot be removed or mitigated against. Providing there is an operational case that outweighs the environmental issues, the project can still proceed provided that</del> The POEMS assessment <del>has been conducted and</del> provides evidence that the environmental impacts have been considered. This will demonstrate that practical and reasonable measures have been put in place to <del>deliver sound environmental performance eliminate all but the unavoidable adverse environmental impacts. It is here where</del> There may be benefits from managing 'Normal' impacts separately to the abnormal and emergency events that may be experienced In-Service. Care must be taken to identify aspects that can be controlled by procurement Delivery Teams, and full recording and justification of decisions must be carefully described.</p>
Title	7.3.7.	<p>Step 7: Approval and Authorisation of an Environmental Impact Statement by the Environmental Delegation Holder Team Leader</p>	<p>Step 7: Approval and Authorisation of an Environmental Impact Statement by the <del>Senior Environmental Responsible (SER) Individual Delegation Holder Team Leader</del></p>

Section	Para #	Superseded Wording	Extant Wording
Step 7: Approval and Authorisation of an Environmental Impact Statement by the Environmental Delegation Holder Team Leader	7.3.7.1.	The Environmental Impact Statement must be authorised by the member of the Project with formally-delegated Environmental responsibilities, at a particular point in a project's life cycle. This indicates their satisfaction with the progress of the project's Environmental Management System, and specifically the Environmental Impact Management Processes. Authorisation by the environmental delegation holder also indicates their acceptance that the environmental risks described in the Environmental Impact Statement and associated with the project, and any control or mitigation measures, are appropriate for that stage of the project's life cycle. The Authorised Environmental Impact Statement shall form an auditable project record.	The Environmental Impact Statement must be authorised by the <del>Senior Environmental Responsible (SER), the Delivery Team Leader (or equivalent), with of the Project with formally-delegated Environmental responsibilities,</del> at a particular point in a project's life cycle. This indicates <del>the SER's their</del> satisfaction with the progress of the <del>environmental management processes and the environmental performance of the product, system, or service. project's Environmental Management System, and specifically the Environmental Impact Management Processes.</del> Authorisation by the <del>SER environmental delegation holder</del> also indicates their acceptance <del>of the environmental performance and</del> that the environmental <del>impacts and</del> risks described in the Environmental Impact Statement <del>and associated with the project,</del> and any control or mitigation measures, are appropriate for that stage of the project's life cycle. The Authorised Environmental Impact Statement shall form an auditable project record.
	7.3.7.2.	Before authorisation, the environmental delegation holder shall ensure the satisfactory resolution of any deficiencies or observations raised through the project's Environmental Committee or by parties engaged by the Project to undertake independent audits or assessments.	Before authorisation, the <del>SER environmental delegation holder</del> shall ensure the satisfactory resolution of any deficiencies or observations raised through the project's Environmental Committee or by parties engaged by the Project to undertake independent audits or assessments.

Section	Para #	Superseded Wording	Extant Wording
7.4 Responsibilities	7.4.0.1.	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <b>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent)</b> , is responsible for ensuring adequate resources are dedicated to <b>the environmental management activities of safety and environmental protection</b> within their area of responsibility, and for facilitating appropriate arrangements to <b>discharge responsibilities relating to this procedure in an efficient and effective manner.</b> <del>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</del>
	7.4.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	<del>The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.</del> Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <b>safety and environmental protection management</b> (including compliance with this procedure), <del>shall</del> <b>may</b> be formally delegated in writing to a named, competent individual(s), <b>identified as ER</b> , within the team.

Section	Para #	Superseded Wording	Extant Wording
7.5 Procedure Completion	7.5.0.1.	It is unlikely that the Delivery Team will carry out and report the assessments unless the situation is straightforward. Delivery Teams can task advisors or consultants to conduct an Environmental Case Report. It may be possible to involve potential system suppliers/contractors as they may have existing studies available, or even to require system suppliers/developers to provide Environmental Case Reports to the Delivery Teams as part of any contractual arrangements.	<del>It is unlikely that the Delivery Team will carry out and report the assessments unless the situation is straightforward.</del> Delivery Teams <del>may</del> <del>can</del> task <del>third-party contractors advisors or consultants</del> to conduct this procedure and compile an Environmental Case Report. It may be possible to involve potential <del>product</del> , system, or service suppliers/contractors <del>as they may have existing studies available, or even to require system suppliers/developers to provide Environmental Case Reports to the Delivery Teams</del> as part of any contractual arrangements. The overarching authorisation and approval of environmental reports and/or deliverables remains with the SER individual, the Delivery Team Leader (or equivalent), or an ER individual where the relevant responsibility has been formally delegated.
<b>EMP08. Operational Controls</b>			
8.1 Summary	8.1.0.1.	An operational control exists to ensure an activity is completed in the correct/desired way. This procedure should assist Delivery Teams in identifying where operational controls are required and checking the adequacy of operational controls. An operational control represents a mitigating activity and should be recorded in the <a href="#">EFM</a> [1].	<del>An operational control exists to ensure an activity is completed in the correct/desired way. This procedure should assist Delivery Teams in identifying where operational controls are required and checking the adequacy of operational controls.</del> An operational control represents a mitigating activity <del>and should be recorded in the <a href="#">EFM</a> [1]</del> to support delivery of sound environmental performance.

Section	Para #	Superseded Wording	Extant Wording
8.2 Procedural Overview	8.2.0.1	<p>An operational control exists to ensure an activity is completed in the correct/desired way. An operational control represents a mitigating activity and should be recorded in the <a href="#">EFM</a> [1]. An operational control can therefore be one or a combination of the following:</p> <ol style="list-style-type: none"> <li>A written procedure/work instruction describing how, when and by whom an activity is to be performed (this would also include the use of signage);</li> <li>A contract or agreement;</li> <li>A physical measure, (e.g. computer or mechanical control);</li> <li>Use of trained personnel.</li> </ol>	<p>An operational control exists to ensure an activity is completed in the correct/desired way. An operational control represents a mitigating activity <b>to support delivery of sound environmental performance. and Opportunities to implement operational controls</b> should be <b>indicated recorded</b> in the <a href="#">EFM</a> [1]. An operational control can <del>therefore</del> be one or a combination of the following:</p> <ol style="list-style-type: none"> <li>A written procedure/work instruction describing how, when and by whom an activity is to be performed (this would also include the use of signage);</li> <li>A contract or agreement;</li> <li>A physical measure, (e.g., computer or mechanical control);</li> <li>Use of trained personnel.</li> </ol>
8.3. Procedure	8.3.1.	Step 1 – Identify where Operational Controls maybe required or appropriate	Step 1 – Identify where Operational Controls <del>maybe</del> <b>may be</b> required or appropriate



Section	Para #	Superseded Wording	Extant Wording
8.3.1. Step 1 – Identify where Operational Controls maybe required or appropriate	8.3.1.1.	<p>To ensure appropriate controls are developed (for system testing and trialling, operation and disposal):</p> <ul style="list-style-type: none"> <li>a. Where required to achieve objectives and targets;</li> <li>b. Where required to achieve standard and stakeholder requirements;</li> <li>c. To control all priority environmental impacts;</li> <li>d. To control the environmental impacts which could give rise to a environmental emergency situation;</li> <li>e. To deal with an emergency situation if it was to occur.</li> </ul>	<p>To <b>support the delivery of products, systems or services with sound environmental performance, ensure</b> appropriate controls are developed (for system testing and trialling, operation and disposal):</p> <ul style="list-style-type: none"> <li>a. Where required to achieve objectives and targets;</li> <li>b. Where required to achieve <b>compliance obligations, such as</b> standard and stakeholder requirements;</li> <li>c. To control all priority environmental impacts;</li> <li><b>d. To control the environmental impacts which could give rise to a environmental emergency situation; To prevent or mitigate the potential for unintended (e.g., emergency, unplanned) events which could result in adverse environmental impact(s), by demonstrating that due diligence has been taken to procure, design and maintain the product, system or service that ensures:</b> <ul style="list-style-type: none"> <li>i. All reasonable precautions are taken to prevent such events; and</li> <li>ii. All reasonable control and remediation measures can be taken by the operator after the event to limit harm to the environment.</li> </ul> </li> <li><del>e. To deal with an emergency situation if it was to occur.</del></li> </ul>

Section	Para #	Superseded Wording	Extant Wording
	8.3.1.2	<p>The DT may also have responsibility for completing the following checks during trials and testing of the equipment or service prior to its in-service date:</p> <ul style="list-style-type: none"> <li>a. Check the use and adequacy of the operational controls; and</li> <li>b. Physically test the adequacy of operational controls which exist to control environmental emergency situations, where this is practicable.</li> </ul>	<p>The <del>Delivery Team DT</del> may also have responsibility for completing the following checks during trials and testing of the equipment or service prior to its in-service date:</p> <ul style="list-style-type: none"> <li>a. Check the use and adequacy of the operational controls; and</li> <li>b. Physically test the adequacy of operational controls which exist to control <b>unintended events environmental-emergency situations</b>, where this is practicable.</li> </ul>
8.3.3. Step 3 – Check use and adequacy of Operational Controls during trials and testing	8.3.3.1.b.	Physically test the adequacy of operational controls which exist to control environmental emergency situations, where this is practicable.	Physically test the adequacy of operational controls which exist to control <b>unintended events environmental-emergency situations</b> , where this is practicable.
8.4. Responsibilities	8.4.0.1.	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <b>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent)</b> , is responsible for ensuring adequate resources are dedicated to <del>the environmental management activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner.</del> <b>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</b>

Section	Para #	Superseded Wording	Extant Wording
	8.4.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner. Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and</del> environmental <del>protection management</del> (including compliance with this procedure), <del>shall may</del> be formally delegated in writing to a named, competent individual(s), identified as ER, within the team.
8.5. Procedure Completion	8.5.0.1.	<p>The Delivery Team is responsible for ensuring that the procedure is completed. Completion will most likely be carried out by the project supplier or contractor, or possibly by an advisor. Any suggested operational controls identified or produced as part of this procedure should be agreed with the Project Team and agreed by the Environmental Committee.</p> <p>The procedure will normally be completed by the contractor for the Assessment or Demonstration Stages (if one is appointed) or the equipment supplier or service contractor as project documentation including operating procedures and disposal plans or related information is developed.</p>	<p>The Delivery Team is responsible for ensuring that the procedure is completed. <del>Completion will most likely be carried out by the project supplier or contractor, or possibly by an advisor.</del> The implementation and/or testing of an operational control may be carried out or fulfilled by a third-party contractor; in this situation suitable evidence of the activities or actions taken should be requested, and subsequently documented as evidence within the Environmental Case. <del>the project supplier or contractor, or possibly by an advisor.</del> Any suggested operational controls identified or produced as part of this procedure should be agreed with the <del>Delivery Project</del> Team and agreed by the Environmental Committee.</p> <p><del>The procedure will normally be completed by the contractor for the Assessment or Demonstration Stages (if one is appointed) or the equipment supplier or service contractor as project documentation, including operating procedures and disposal plans or related information, is developed.</del></p>

Section	Para #	Superseded Wording	Extant Wording
<b>EMP09. Continuous Review</b>			
9.4 Responsibilities	9.4.0.1.	The Delivery Team Leader is responsible for ensuring adequate resources are dedicated to the management of safety and environmental protection within their area of responsibility, and for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.	The <b>Senior Environmental Responsible (SER) individual, the Delivery Team Leader (or equivalent)</b> , is responsible for ensuring adequate resources are dedicated to <del>the environmental management activities of safety and environmental protection</del> within their area of responsibility, and for facilitating appropriate arrangements to <del>discharge responsibilities relating to this procedure in an efficient and effective manner.</del> <b>successfully exercise and discharge their overarching responsibilities to ensure the product, system or service delivers sound environmental performance. The responsibility for ensuring the product, system or service delivers sound environmental performance, may be formally delegated in writing to a named, competent individual(s), identified as Environmental Responsible (ER), within the team.</b>
	9.4.0.2.	Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for safety and environmental protection (including compliance with this procedure), shall be formally delegated in writing to a named, competent individual within the team.	<b>The SER individual, the Delivery Team Leader (or equivalent), is also responsible for facilitating appropriate arrangements to discharge responsibilities relating to this procedure in an efficient and effective manner.</b> Responsibility for ensuring those arrangements are implemented, and achieve outputs which fully satisfy legislative and departmental requirements for <del>safety and environmental protection management</del> (including compliance with this procedure), <del>shall may</del> be formally delegated in writing to a named, competent individual(s), <b>identified as ER</b> , within the team.

Section	Para #	Superseded Wording	Extant Wording
9.5 Procedure Completion	9.5.0.1.	The Delivery Team is responsible for ensuring that the procedure is completed. However, completion will most likely be carried out by the project supplier or contractor, or possibly by an advisor. Any suggested revisions produced as part of this procedure should be agreed with the Delivery Team and endorsed by the Environmental Committee.	The Delivery Team is responsible for ensuring that the procedure is completed. However, completion may <del>will most likely</del> be carried out by <del>a third-party contractor the project supplier or contractor, or possibly by an advisor.</del> Any suggested revisions produced as part of this procedure should be agreed with the Delivery Team and endorsed by the Environmental Committee.
<b>ASEMS Part 2 - Guidance</b>			
Introduction		Each manual is designed to assist projects, and contractors, suppliers and advisors, to manage safety risks and environmental impacts and to apply the appropriate mitigation measures.	Each manual is designed to assist projects, and contractors, suppliers and advisors, to manage safety risks <del>and environmental impacts and to apply the appropriate mitigation measures,</del> and to apply the appropriate mitigation measures, and manage Product, System or Service to enable the delivery of sound environmental performance.