

MOD	EMS Procedures	Procedure EMP05/G/01
EMP05: Environmental Impact Assessment and Reporting		Page 1

Guidance Sheet EMP05/G/01 - Suggested content for EIA Report

a) Statement of Need

- Information about the need for the equipment or service and any alternatives that have been considered (the URD (User Requirement Document) and SRD (System Requirement Document) should form the basis of this).

b) Description of the Equipment or Service and Potential Priority Impacts

- The methodology or methodologies that have been used for the assessment including a summary of the scope of the assessment.
- A description of the equipment's or service's physical characteristics.
- A description of the main characteristics and impacts of any proposed testing, trials or demonstration activities.
- A description of the main characteristics and impacts of the manufacturing processes, for instance the nature and quantity of the materials used.
- An estimate, by type and quantity, of expected releases and emissions (including water, air and soil pollutants, noise, vibration, light, heat and radiation) from the in-service stage for the system. NB the in-service stage includes: Operation, (Normal, Abnormal, Emergency) and Maintenance (Routine, Deep/Repair, Up-grade).
- Consideration of issues and impacts associated with the disposal of the system at the end of its life highlighting where impacts may exceed regulatory requirements.

c) For each of the Priority Impacts identified above the Report should include:

- Reference to relevant legal and policy requirements highlighting where impacts may approach or exceed regulatory thresholds.
- Quantitative information on the predicted scale of each impact (allowing for the incorporated mitigations).
- Consideration of how individual impacts may combine to produce cumulative effects.
- A description of receptors where there is the potential to be significantly affected by the project (in particular - population, fauna, flora, soil, water, air, climatic factors, material assets (including heritage), and any interaction between them).
- A description of the forecasting methods used.
- An indication of any difficulties (technical difficulties or lack of know-how) encountered in compiling the required information.
- An outline of any missing or incomplete knowledge.

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MOD	EMS Procedures	Procedure EMP05/G/01
EMP05: Environmental Impact Assessment and Reporting		Page 2

d) Mitigation and monitoring

- Details of mitigation measures that can be incorporated into the design of the proposed development.
- Details of mitigation measures that can be applied to the system to reduce environmental impacts.
- A list of any potential mitigation measures that it has not been possible to include, and the reasons why.
- Statement of any residual impacts.
- Suggested monitoring regimes.
- Suggested plan for undertaking any suggested mitigation measures.
- An indication of any difficulties (technical difficulties or lack of know-how) encountered in compiling the required information.
- Consideration of any positive environmental impacts the project may have and ways in which these can be optimised.

e) Conclusion

- Conclusion that outlines for each known or potential priority impact whether:
 - Suitable mitigation is identified; or
 - No suitable mitigation is available: the EIA Report should provide evidence that all reasonable and practicable alternatives were explored in a structured and documented manner; and
 - The nature and scale of any residual impacts.

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