



ONR GUIDE			
ELECTROMAGNETIC COMPATABILITY			
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1. Following a fit for purpose review T/AST/15 Revision 1 - "Electromagnetic Compatibility", has been withdrawn. A replacement TAG will be produced in due course.

2. The standards and criteria that need to be specified in assessment reports may be selected from the following:

- SAPs – ECS.3, EQU.1, EDR.1, EDR.2, EDR.3, EDR.4, ERL.1, ERL. 2, ECM.1, EMT.1, EMT.2, EMT. 4, EMT.5, EMT.6, EMT.8, EAD.4, EHA.3, EHA.10, ESS.2, ESS.10, ESS.11, ESS.18, ESS.21, ESS.22, ESS.23, ESR.2, ESR.5, ESR.6.
- IAEA safety guide – Instrumentation and Control Systems Important to Safety in Nuclear Power Plants, NS-G-1.3.
- Any other guidance deemed appropriate by professional lead –
 - IEC 61513 Nuclear power plants. Instrumentation and control important to safety. General requirements for systems.
 - IEC 61000-1 Electromagnetic compatibility (EMC) - Part 1: General
 - IEC 61000-2 Electromagnetic compatibility (EMC) - Part 2: Environment
 - IEC 61000-3 Electromagnetic compatibility (EMC) - Part 3: Limits
 - IEC 61000-4 Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques.
 - IEC 61000-5 Electromagnetic compatibility (EMC) - Part 5: Installation and mitigation guidelines.
 - IEC 61000-6 Electromagnetic compatibility (EMC) - Part 6: Generic Standards.
 - IEC TS 61000-1-2 Electromagnetic Compatibility (EMC) – General. Methodology for the achievement of functional safety of electrical and electronic systems including equipment with regard to electromagnetic phenomena

3. In the standard assessment report, section 2.2.1 should simply record that there is no TAG for this technical area.

4. IEC TS 61000-1-2 is currently being prepared as a draft international standard. It is anticipated that once published as a standard it will provide significant guidance on lifecycle

management of the performance of electrical, electronic and programmable electronic safety systems, with respect to electromagnetic phenomena.

5. The assessor may, by prior agreement with the professional lead, employ guidance or standards not listed above.

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SECURITY CLASSIFICATION (delete or add as required)