|  |  |
| --- | --- |
| Overview | This standard covers the competence to operate and maintain equipment in hazardous areas on board with specific regard to carrying out electro-technical operations, including areas where flammable atmospheres may exist.  **Target group**  This standard applies to individuals working on board commercial vessels with responsibility for engineering officers at the management level and electro-technical operations at the operational level. |

|  |  |
| --- | --- |
| **Performance criteria**  You must be able to: | 1. operate equipment in accordance with established safety rules, regulations and operating instructions to prevent damage 2. plan maintenance activities in accordance with technical, legislative, safety and procedural specifications 3. carry out isolation, dismantling and reassembly operations in accordance with manufacturers’ guidelines and shipboard instructions within the limits of your personal authority. Carry out the maintenance activities in the specified sequence and in an agreed timescale 4. identify, take appropriate action on and report malfunctions/defects 5. inform relevant personnel of the operations to enable them to continue their responsibilities safely 6. complete relevant records accurately and pass them on to the appropriate person 7. dispose of waste materials in accordance with safe working practices and approved procedures |
|  |  |

|  |  |
| --- | --- |
| Knowledge and understanding  You need to know and understand: | 1. what constitutes a hazardous area with regard to electro-technical operations and the implications of working on specific types of equipment in specific hazardous areas 2. planning of operations, planning methods, sources of information – statutory, company and manufacturers 3. the main duties and responsibilities of shipboard personnel and the level of supervision required by individuals 4. the importance and use of records for commercial and legislative purposes 5. how to dispose of waste effectively and following the correct procedures, guidelines and legislative requirements 6. the application of Statutory Regulations and guidelines, organisational instructions and guidance and vessel contingency plans |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Developed by** | Maritime Skills Alliance | | **Version number** | 2 | | Date approved | January 2012 | | Indicative review date | December 2016 | | Validity | Current | | Status | Original | | Originating organisation | Skills for Justice | | Original URN | MSA C15 | | Relevant occupations | Engineer | | Suite | Maritime | | Key words | Vessel; ship; electric; equipment; hazard; operate; operation; maintain; isolate; dismantle; reassembly; flammable | |  |
|  |  |
|  |  |
|  |  |
|  |  |