

**NEW ZEALAND MARITIME SCHOOL**

**NZ Diploma Electro-technology**

**Year 1 ETO Cadets, 2019.**

**NZ2511-02.**

**(STCW-78 III/1, as amended in 2010)**

**Course 942.465**

**‘Shipboard Maintenance and Repair Procedures – Electrotech’**

**Learning Outcomes Assessment**

***Research each of the Five Learning Outcomes and answer with your interpretation.***

***Use reading material provided on Canvas, library material or other suitable sources. Where possible provide reference to the sources. Email back to the tutor when complete.***

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Student Name:

Student ID:

Date:

Outcome 1: Demonstrate ability to use lubrication and cleaning materials and equipment

With an emphasis on electrical systems and machinery, write an explanation (approximately 200 words) including diagrams and any other related information for each of the following:

* Selects correct lubricating products for applications.
* Cleaning products are selected and used appropriately.

Outcome 2: Demonstrate knowledge of safe disposal of waste materials

Interprets International Convention for the Prevention of Pollution from Ships, technical annexes I to IV of MARPOL.

With an emphasis on electrical systems and machinery, write an explanation (approximately 200 words) including diagrams and any other related information for each of the following:

* Oily Water Separators.
* Grey Water Systems.
* Sewerage Treatment Systems.

Guidelines and information can be found in the Aurora and Diamond Princess Ships manuals. It is important to detail the product water overboard discharge characteristics and alarms used to prevent marine pollution from these systems.

Outcome 3: Demonstrate basic understanding of executing routine maintenance and repair procedures

With an emphasis on electrical systems and machinery, write an explanation (approximately 200 words) including diagrams and any other related information for the following:

* Selection and use of appropriate equipment and tools.

Outcome 4: Demonstrate basic understanding of manufacturer’s safety guidelines and shipboard instructions

With an emphasis on electrical systems and machinery, write an explanation (approximately 200 words) including diagrams and any other related information for the following:

* Maintenance activities are carried out in accordance with technical, safety and procedural specifications.

Outcome 5: Demonstrate knowledge of handling of stores

With an emphasis on electrical systems and machinery, write an explanation (approximately 200 words) including diagrams and any other related information for the following:

* Describe procedures for safe handling, stowage and securing of stores.