



CERTIFICATE NUMBER

14-SG1258773-PDA

DATE

30 October 2014

ABS TECHNICAL OFFICE

Singapore Engineering Services

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**NIEDAX (THAILAND) LTD**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Cable, Trays & Ladders**

MODEL: **LHGST4(5, 8, 9), LS6ST8(9), USL3900-H30, USL3900-H38, LATST7(8), THG(AL), STLD(MD,HD)3**

This Product Design Assessment (PDA) Certificate 14-SG1258773-PDA, dated 30/Oct/2014 remains valid until 29/Oct/2019 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Panagiotis Kotsidas

Engineer

**NIEDAX (THAILAND) LTD**

62/10 MOO 6 , TAMBOL SAMNAKTORN  
AMPHUR BANCHANG ,  
21130  
Thailand

**Tier: 2**

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**Product:** Cable, Trays & Ladders

**Model:** LHGST4(5, 8, 9), LS6ST8(9), USL3900-H30, USL3900-H38, LATST7(8), THG(AL),  
STLD(MD,HD)3

**Intended Service:**

All marine and Offshore Cable support system

**Description:**

Cable Support system conform to NEMA VE1-2009/CSA C22.2 No.126.1-09, Metal Cable Tray System  
NEMA20B, NEMA20C, NEMA 12B H175, NEMA 12B H100, Marine Ladder, Aluminium Ladder, Light Duty Tray,  
Medium Duty Tray & Heavy Duty Tray

**Ratings:**

NEMA 20B

Height: 130mm, Width: 900mm, Length: 7315mm,  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101 & SS316/(BS EN10088-2)

NEMA 20C

Height: 150mm, Width: 900mm, Length: 7315mm  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101 & SS316/(BS EN10088-2)

NEMA 12B H75

Height: 75mm, Width: 900mm, Length: 900mm  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101

NEMA 12B H100

Height: 100mm, Width: 900mm, Length: 900mm  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101

Marine Ladder

Height: 30mm & 38mm, Width: 900mm, Length: 6000mm  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101

Aluminum Ladder

Height: 125mm & 150mm, Width: 900mm, Length: 6500mm  
Finish & Raw material: Aluminum (JIS H4000)

Light, Medium & Heavy Duty Hot Dip Galvanized & Aluminum Tray

Height: 50mm, Width: 900mm, Length: 3000mm  
Finish Material: Hot Dip Galvanized (ASTM A123)  
Raw Material: SS400/JIS G 3101 & Aluminum (JIS H4000)

**Service Restrictions:**

Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

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**Comments:**

The manufacturer has provided a declaration about the control of, or the lack of asbestos in this product.

**Notes / Drawings / Documentation:**

NEMA VE1-2009, Section 5.2.8: Loading to Destruction (Method A) Report number: BG2689399

**Term of Validity:**

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**STANDARDS****ABS Rules:**

- Steel Vessel Rules (2014) 1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-4/21.9.2
- Steel Vessels Under 90 Meters (295 Feet) in Length (2014) 1-14/7.7, 1-1-Appendix 3 and 4
- Facilities on Offshore Installations (2014) 1-1-4/9.7, 1-1-Appendix 2 and 3
- Offshore Support Vessels (2014) 1-1-4/7.7, 1-1-Appendix 3 and 4
- Mobile Offshore Drilling Units Rules (2014) 1-1-4/9.7, 1-1-Appendix 2 and 3, 4-3-3/5.9.1, 7-1-5/5.9.1
- High-Speed Craft (2014) 1-1-4/7.7, 1-1-Appendix 3 and 4
- Steel Barge Rules (2014) 1-1-4/7.7, 1-1-Appendix 3 and 4

**National:**

NA

**International:**

NA

**Government Authority:**

NA

**EUMED:**

NA

**Others:**

NEMA Standards Publication VE1-2009/ Canadian Standards Association Publication CSA C22.2 No.126.1-09