



**SPECIALIST SERVICE**  
P.O. Box 2752, Dubai  
United Arab Emirates

*Via Client Interface*

6 March 2014

File Ref.: O2E (T-8-6)

Refer to: IHR/T1156860

Oracle ID: 3045137

Class No.: NA

**20' A60 4 Men Accommodation Module**  
Type Approval – Product Design Assessment

Gentlemen,

We have received your declaration stating that the materials in the requested assessment are free from asbestos and your applications for of ABS type approval dated 26 September 2013 together with the enclosures listed below and are pleased to advise that we have completed the Product Design Assessment (PDA) phase of the type approval process. Enclosed is your original copy of the PDA. Your details are published on our web site at [www.typeapproval.org](http://www.typeapproval.org) and can also be downloaded there.

Please be sure that you understand the scope and conditions of the validity of the certificate. An assessment is not an approval. As applicable, the PDA is a generic assessment of materials, components, products or systems for a specific use in compliance with the Rules, Guides and recognized standards. In essence the final approval is given when an Engineer or Surveyor accepts it for a specific user and installation. Therefore, the PDA is written assuming that the end user and installation of the product is unknown, and that the manufacturer may not apply for Manufacturing Assessment.

In particular we draw your attention to the pages attached to the PDA and the restrictions that may affect its use.

Unit Certification is required for this product. If you or your purchaser requests an ABS Certificate for compliance with a specification or standard; the specification or standard, including inspection standards and tolerances, you must clearly define the conformity criteria.

This Product Design Assessment (PDA) is intended for products to be used on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. The use of the product in a non ABS classed vessel, MODU or facility is to be mutually agreed between your company and your client.

We recommend that you monitor the ABS Rules, Guides and other standards used in the approval. These Rules, Guides and standards often change on an annual basis, and you must comply with the new Rules, Guides and standards in order for the product to be used on an ABS classed vessel or facility contracted under the new Rules, Guides or specifications.

We do caution you that the use of the ABS logo is copyrighted. However, our "Design Assessed" logo may be used as long as your PDA remains valid. Our "Product Type Approval" Logo may be used as long as you have an ISO9001 Certified Quality System (or equivalent) and you are conducting regular ABS Manufacturing Assessment audits of your manufacturing process.

Should you desire to continue with Product Type Approval, please contact the ABS Office at Dubai Survey, Tel: (971) 04-330-6000, Fax: (971) 04-330-6020. The office will arrange for the production testing as may be necessary and audit of your quality assurance and control arrangements. To find another office, please use the directory of ABS offices on the ABS Web Site at [www.eagle.org](http://www.eagle.org). You may also ask the ABS Program staff at Tel. +1 281-877-6018, Fax +1 281-877-6001, or e-mail [type\\_approval@eagle.org](mailto:type_approval@eagle.org).

**PACIFIC DIVISION**

Al Joud Center, 1<sup>st</sup> Floor, Office #111, Sheikh Zayed Road, P.O. Box 24860, Dubai, United Arab Emirates  
TEL: 971-4-330-6000 FAX: 971-4-330-6020 EMAIL: [ABSDubai@eagle.org](mailto:ABSDubai@eagle.org) WEB: [www.eagle.org](http://www.eagle.org)



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A copy of the artwork for the Design Assessed and Type Approved logos may be requested from our email address [absta-programs@eagle.org](mailto:absta-programs@eagle.org). Please be aware that both logos are not to be used at the same time. For a copy of the art work and detailed guidance on their use, please contact [absta-programs@eagle.org](mailto:absta-programs@eagle.org).

An electronic copy of the drawings, appropriately stamped to indicate our review, is available through the ABS Eagle Construct Engineering Manager (O2E), Web Portal.

We appreciate your confidence in ABS type Approval. If you should have any comments relative to the scope and conditions of the assessment of your product, or if we can be of any further assistance, please do not hesitate to contact the undersigned at 971-4-330-6000 (Extn. 141).

Very truly yours,

**K.M. Wong**  
Senior Vice President of Engineering  
ABS Pacific

By: 

**In-Hyun Ryu**  
Senior Engineering Specialist  
Ship/Offshore Structures & Statutes

Encl.: As stated & PDA

cc: ABS, Dubai – w/p & Certificate

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TEL: 971-4-330-6000 FAX: 971-4-330-6020 EMAIL: [ABSDubai@eagle.org](mailto:ABSDubai@eagle.org) WEB: [www.eagle.org](http://www.eagle.org)



## Enclosures

Drawing No	Revision No	Drawing Title
ABS-TA-T1-A-D-200	B	General Arrangement Architectural Plan & Section
ABS-TA-T1-A-D-201	B	Typical Passive Fire Protection Plan
ABS-TA-T1-A-D-202	B	Typical Penetration Detail Electrical
ABS-TA-T1-A-D-203	B	Typical Penetration Detail – HVAC
ABS-TA-T1-A-D-204	B	Typical Penetration Detail – Piping
ABS-TA-T1-A-SC-205	B	Door Schedule
ABS-TA-T1-S-D-100	Z1	Structural Floor Framing Plan
ABS-TA-T1-S-D-101	Z1	Structural Roof Framing Plan
ABS-TA-T1-S-D-102	Z1	Structural External Elevation
ABS-TA-T1-S-D-103	Z1	Structural Details
ABS-TA-T1-S-D-104	Z1	Bill of Material
ABS-TA-T1-E-D-300	B	General Arrangement Electrical Plan & Section
ABS-TA-T1-E-D-301	B	Equipment Schematic and Load Schedule
ABS-TA-T1-E-M-302	B	Bill of Material and Cable Schedule
ABS-TA-T1-F-D-600	B	Fire Detection & Alarm System General Arrangement
ABS-TA-T1-F-D-601	B	Fire Detection & Alarm System Single Line Diagram
ABS-TA-T1-T-D-700	B	Public Address System (PA), General Alarm System (GA), Telephone & LAN Layout
ABS-TA-T1-T-D-701	B	Public Address System (PA), General Alarm System (GA), Telephone & LAN Schematics

### PACIFIC DIVISION

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## SPECIALIST SERVICES

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Web: [www.specs.com](http://www.specs.com)

Tier: 2

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**Product:** Portable Accommodation Modules

**Model:** 20ft. A60 4 Men Portable Accommodation Module

**Intended Service:**

Marine and Offshore Applications - Portable Accommodations for Offshore use on Vessels, MODU's and Facilities.

**Description:**

Portable structure with outfitting to allow the berthing of crew.

**Ratings:**

The module has been approved for a design head of 5.4 m. The exterior boundaries of the module have been found to comply with A-60 requirements. The module has been designed to withstand a 0.15 bar blast overpressure with 200ms duration.

**Service Restrictions:**

1. Unit Certification is required for this product.
2. The module is not to be installed onboard passenger vessels or special purpose ships required to comply with passenger vessel fire safety requirements.
3. This product is required by the standard to be Type Approved; as such, Manufacturing Assessment and Annual Audits are mandatory.

**Comments:**

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

**Notes / Drawings / Documentation:**

ABS-TA-T1-A-D-200 Rev. B	General Arrangement Arch Plan & Section
ABS-TA-T1-A-D-201 Rev. B	Typical Passive Fire Protection
ABS-TA-T1-A-D-202 Rev. B	Typical Penetration Detail - Elect
ABS-TA-T1-A-D-203 Rev. B	Typical penetration Detail - HVAC
ABS-TA-T1-A-D-204 Rev. B	Typical Penetration Detail - Piping
ABS-TA-T1-A-SC-205 Rev. B	Door schedule
ABS-TA-T1-S-D-100 Rev. Z1	Structural Floor Framing Plan
ABS-TA-T1-S-D-101 Rev. Z1	Structural Roof Framing Plan
ABS-TA-T1-S-D-102 Rev. Z1	Structural External Elevations
ABS-TA-T1-S-D-103 Rev. Z1	Structural Details
ABS-TA-T1-S-D-104 Rev. Z1	Bill of Materials
ABS-TA-T1-E-D-300 Rev. B	General Arrangement Electrical Plan & Section
ABS-TA-T1-E-D-301 Rev. B	Equipment Schematic and Load Schedule
ABS-TA-T1-E-M-302 Rev. B	Bill of Materials and Cable Schedule
ABS-TA-T1-F-D-600 Rev. B	Fire Detection & Alarm System General Arrangement
ABS-TA-T1-F-D-601 Rev. B	Fire Detection & Alarm System Single Line Diagram
ABS-TA-T1-T-D-700 Rev. B	Public Address System (PA), General Alarm System (GA), Telephone & LAN Layout
ABS-TA-T1-T-D-701 Rev. B	Public Address System (PA), General Alarm System (GA), Telephone & LAN Schematics

Ref.1 DnV Type Approval Certificate No. E-10890

Ref. 2 DnV EC Type Examination Certificate No. MED-B-7603

Ref. 3 Email from ABS Consulting dated 2 March 2014 regarding satisfactory review of Blast Analysis

## **SPECIALIST SERVICES**

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**Tier: 2**

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Re: Email from ABS Consulting dated 2 March 2014 regarding satisfactory review of Diast Analysis

### **Term of Validity:**

This Product Design Assessment (PDA) Certificate 14-DUT1156860-PDA, dated 06/Mar/2014 remains valid until 05/Mar/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.

### **STANDARDS**

#### **ABS Rules:**

2014 Steel Vessels Rules 1-1-4/7.7, 1-1-A3;

2013 Guide for Portable Accommodation Modules Section 1 and 2.

Rules for Building and Classing Steel Vessels, 2014

Rules for Building and Classing Steel Vessels under 90 Meters in Length, 2014

Rules for Building and Classing Mobile Offshore Drilling Units, 2014

Rules for Building and Classing Offshore Support Vessels, 2014

Rules for Building and Classing Aluminum Vessels, 1975

Rules for Building and Classing Facilities on Offshore Installations, 2014

Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways, 2014

Rules for Building and Classing Bulk Carriers for Service on the Great Lakes, 1978

#### **National:**

NA

#### **International:**

NA

#### **Government Authority:**

NA

#### **EUMED:**

NA

#### **Others:**

NA