



Certificate No:
TAD00001EC

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Vessels

with type designation(s)
Sensor Interface Box Housing, Dwg. No. SK-203364-02, Rev. 03

Issued to
CAM Subsea Sys - Berwick
Berwick, LA, USA

is found to comply with
DNVGL-OS-E101 – Drilling facilities, Edition January 2018

Application :

See Page 2.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Houston** on **2021-05-20**

This Certificate is valid until **2026-05-19**.

for **DNV**

DNV local station: **Houston, Approval CMC**

Approval Engineer: **M. Kevin Mandeville Jr.**

.....
Meindert van Mierlo
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Page 1 of 3

The following standards/codes have been used as a reference:

API Specification 17F, *Standard for Subsea Production Control Systems*, 3rd Ed.

API Specification 16A, *Specification for Drill-through Equipment*, 4th Ed

Product description

Sensor Interface Box (SIB), for subsea use, constructed of Duplex stainless steel

Application/Limitation

Design Parameter	Value	Equivalent
Maximum Internal Working Pressure	14.70 psi	1.01 bar
Maximum External Working Pressure	6750 psi	465.40 bar
Equivalent Depth	15000 ft	4572 m
Temperature Range	T-0 (0°F to 250°F)	(-18°C to 121°C)

Type Approval documentation

Drawings

Tests carried out

Type test carried out per Test Report 18287.07.020 on 2020-07-01, for W/O 121499472 per procedure X-201522-07.



Job Id: **262.1-031729-1**
Certificate No: **TAD00001EC**

Marking of product

For traceability to this Type Approval Certificate the products are as a minimum to be marked as follows:

1. Serial Number
2. Manufacturer's name and trademark
3. Additional marking at manufacturer's option
4. As required in Paragraph UG-116 of ASME Section VIII Division 1, 2019 Edition

Periodical assessment

For retention of the Type Approval Certificate, a DNV GL surveyor shall perform a retention survey after two and three-and-a-half years in accordance with the DNV GL Class Programme for Type Approval, DNVGL-CP-0338.

Other Comments and Conditions

1. This Type Approval Certificate is limited to the pressure boundary components of the SIB housing. Electronics housed within the unit are not covered in this type approval.
2. DNV Reference Project A0697596

END OF CERTIFICATE