

Certificate



Functional
Safety
Type
Approved

www.tuv.com
ID 060000000

No.: 968/FSP 1071.00/15

Product tested Documentation of Mark III Multiplex BOP Control System

Certificate holder Cameron Drilling Systems
6650 Bingle Road
Houston, TX 77092
USA

Type designation Emergency disconnect sequences of Fred Olsen Mark III Multiplex BOP Control System
Application software:
Surface: Fred Olsen _TCP_Rev25
Sub sea: Fred Olsen _DCP_Rev14

Codes and standards IEC 61508 Parts 1-7:2010

Intended application Safety function: Emergency disconnect sequences for deep sea oil well control.
The documented design of the Fred Olsen Mark III Multiplex BOP Control System complies with the requirements of the relevant standard (SIL 2 according to IEC 61508).

Specific requirements The instructions of the associated Installation and Operating Manual shall be considered.

Valid until 2020-03-02

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1071.00/15 dated 2015-03-02.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2015-03-02

Certification Body for FS-Products

Dipl.-Ing. Heinz Gall