

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issue by: HAMBURG TECHNICAL SUPPORT OFFICE (HPC2062009)

Issued to: KONGSBERG MARITIME AS

For: WIRELESS TEMPERATURE MONITORING SENTRY GB-300

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 03 (July 2017) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

ETS 54627	Type Approval Application Checklist	22.01.2020
ETS 55020	Request for Marine Services – Type Approval	24.03.2020
OSL1900153	Production quality assessment report of Kongsberg Maritime (Ranheim, NOR)	06.06.2019
900662	Certificate NS-EN ISO 9001:2015 (Kongsberg Maritime AS)	31.05.2017
Presafe 18 ATEX		
13741X Issue 0	Type Examination Certificate for SENTRY GB-300 System (ATEX)	24.04.2020
Presafe 18 ATEX		
13742X Issue 0	Type Examination Certificate for SENTRY SPU GNP300 (ATEX)	13.05.2020
IECEX PRE 18.0086X	IECEX Certificate of Conformity for SENTRY GB-300 System	24.04.2020
IECEX PRE 18.0087X	IECEX Certificate of Conformity for SENTRY SPU GBP300	13.05.2020
P-GB300/CE/A	Product sheet SENTRY GB-300	undated
P-GB300/FE/A	User Manual SENTRY GB-300	25.10.2018
441782 Rev. B	Software revision history Sentry GB-300	29.08.2019
442145 Rev. B	Software revision history Sentry Configuration tool KM-CT Sensor	21.09.2018
442090	Material declaration Sentry GB-300	19.09.2018
ETS 56200-20	Manufacturer's Statement of Similarity	05.10.2020
ETS 56200-20	Excel-file "GBWxxx part list.xls" (type designation list of wireless temperature sensors)	07.10.2020
ETS 56200-20	Excel-file "GSWxxx part list.xls" (type designation list of wireless antennas)	07.10.2020

TEST REPORTS

E16275.01	Test Report (damp heat & vibration) for GB-200 SPU	09.01.2017
E18061.00	Test Report (EMC & Environmental) for GB-300 SPU	25.04.2018
448163 Rev. A	Type Approval Test Procedure Sentry GB-300 (Performance test report)	19.02.2019
2001-3205 Rev. 01	Test Report (Environmental) for antenna GBS100 & sensor GBW100	16.03.2001
2008-3095 Rev. 01	Test Report (Enclosure protection) for SENTRY GB200	14.02.2008

DIAGRAMS

442138 Rev. A	GB300 Block Diagram	21.09.2018
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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.