Certificate

Functional Safety

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No.: 968/EZ 653.22/23

Product tested	Real Time Operating System (RTOS)	**Certificate holder**	BlackBerry Limited 1001 Farrar Road Ottawa, ON K2K 0B3 Canada
Type designation	QNX OS for Safety (QOS) for released and approved versions refer to the "Revision List"		
Codes and standards	IEC 61508 Parts 1-7:2010 (in extracts) ISO 26262-2:2018 ISO 26262-6:2018		ISO 26262-8:2018 IEC 62304:2006 + AMD1:2015 (without clause 4.2, 4.4) (in extracts)
Intended application	The QOS product complies with the requirements of the relevant standards (ASIL D according to ISO 26262, SC 3 according to IEC 61508 and Class C according to IEC 62304) and can be used as a Safety Element Out Of Context (SEooC) in items in order to realize safety goals up to ASIL D according to ISO 26262, as a compliant item in applications up to SIL 3 according to IEC 61508 and medical devices complying with the requirements of IEC 62304 at software level A, B or C. The provided tool chain, classified as TCL3 and T3, complies with the applicable requirements for supporting tools according to ISO 26262-8 and off-line support tools according to IEC 61508-3. The C++ Library headers and templates can be used to realize safety goals up to ASIL B according to ISO 26262. The C++ Library runtime components can be used in order to realize safety goals up to ASIL D according to ISO 26262.		
Specific requirements	For the use of the QOS the operating conditions and functional characteristics as specified in the Safety Manual and accompanying documents provided by the manufacturer need to be observed. The current versions of software are specified in the currently valid revision list. The list is released by the manufacturer in cooperation with the Certification Body. The risk management according to ISO 14791 required by standard IEC 62304 is excluded from scope of certification. These process activities need to be established by the medical device manufacturer of a product while developing a medical device.		

The issue of this certificate is based upon an evaluation in accordance with the Certification Programs CERT FSP1 V3.0:2020, CERT FSP2 V3.0:2020, CERT FSP6 V1.0:2020 in their actual version, whose results are documented in Report No. 968/EZ 653.22/23 dated 2023-06-01. This certificate is valid only for products, which are identical with the product tested. Issued by the certification body accredited by DAkkS according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope listed in the annex to the accreditation certificate D-ZE-11052-02-01.

Köln, 2023-06-02

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

Certification Body Safety & Security for Automation & Grid

Dipl.-Ing. Thomas Steffens

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Precisely Right.

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln / Germany
Tel.: +49 221 806-1790, Fax: +49 221 806-1539, E-Mail: industrie-service@de.tuv.com