

Certificate



Functional
Safety

www.tuv.com
ID 0600000000

No.: 968/EZ 653.13/20

| | | | |
|------------------------------|---|--|---|
| Product tested | Real Time Operating System (RTOS) | Certificate holder | BlackBerry Limited 2200 University Avenue East Waterloo, ON N2K 0A7 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 ISO 26262-2:2018 (in extracts) ISO 26262-6:2018 | ISO 26262-8:2018 (in extracts) IEC 62304:2006 + AMD1:2015 (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 (libcxx) may be used in order to achieve safety goals up to ASIL B 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 needs 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 examination, whose results are documented in Report No. 968/EZ 653.13/20 dated 2020-11-02.

This certificate is valid only for products which are identical with the product tested.

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

Köln, 2020-11-05

Certification Body Safety & Security for Automation & Grid

Dr. R. G. A.

Dr.-Ing. Thorsten Gantevoort

www.fs-products.com
www.tuv.com

 **TÜVRheinland**[®]
Precisely Right.