

WP.29 Readiness Assessment

BlackBerry QNX Professional Services



The UNECE World Forum for Harmonization of Vehicle Regulations (WP.29) establishes international requirements for the management of cybersecurity and software updates for vehicles sold in the EU, the U.K., Japan, South Korea and other markets. Cars, vans, trucks, buses and other light vehicles are subject to the regulation, which aims to mitigate cybersecurity risks and pave the way for connected vehicles.

To help you navigate these WP.29 regulations, the BlackBerry® QNX® Professional Services team offers a systematic WP.29 readiness assessment. This assessment is performed by BlackBerry cybersecurity experts and includes risk management techniques and an independent assessment of your software bill of materials.

A clear understanding of your organization's maturity, environment, threats and risks supports your ability to prioritize, allocate resources, remediate, set project timelines and develop a pragmatic software development roadmap. The BlackBerry QNX WP.29 assessment will quantify your organization's conformity levels across 5 essential domains and 17 subdomains, as shown in Figure 1.

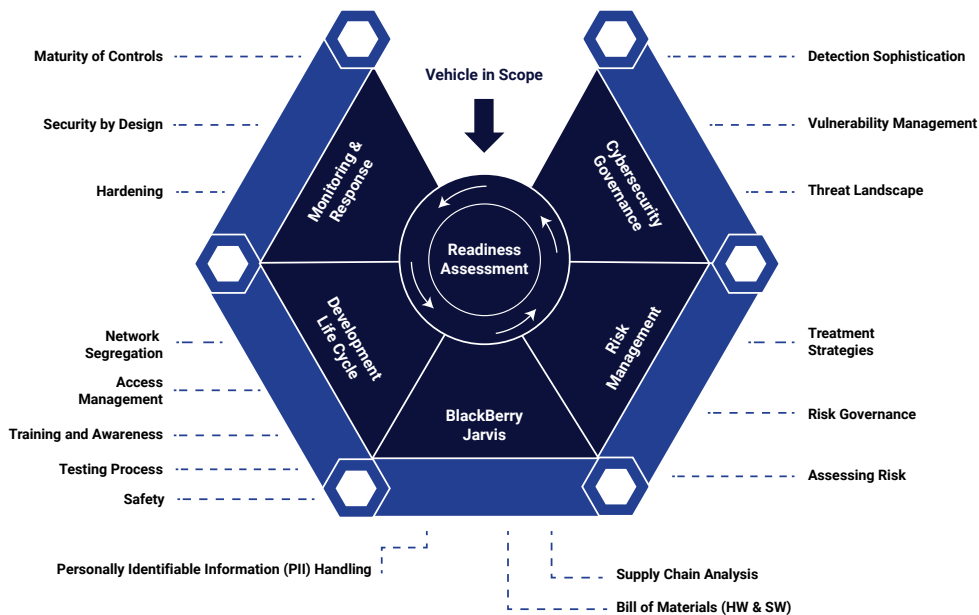


Figure 1: The BlackBerry QNX WP.29 Readiness Assessment methodology.

Top automakers and suppliers choose the trusted embedded software foundation and vast automotive software portfolio from BlackBerry QNX to design and integrate robust vehicle systems. Backed by decades of cybersecurity expertise and BlackBerry® Jarvis™, a proven binary code scanning solution, BlackBerry helps automakers improve the maturity of vehicle cybersecurity programs.

WP.29 Readiness Assessment

The BlackBerry QNX WP.29 Readiness Assessment uses a data-driven methodology to help you understand your organization's conformity to the regulation and your overall cybersecurity posture, identify cybersecurity risks and create a roadmap to WP.29 compliance. Our robust methodology combines industry-leading security expertise and cutting-edge cybersecurity technology through a systematic Professional Services engagement.

The WP.29 Readiness Assessment is aligned to WP.29, ISO 21434, ISO 27001, NIST, GDPR and other leading frameworks and regulations across five domains: cybersecurity governance, risk management, software bill of materials and supply chain management, software development life cycle and monitoring and response (see Figure 2).

Package Details

The WP.29 readiness assessment includes:

- A workshop with an embedded cybersecurity expert
- Analysis of binary images and support files to uncover:
 - Vulnerabilities in the software bill of materials
 - Leakage of personal data
 - Software supply chain security
- A detailed report with:
 - Observations
 - Risks
 - Conformity levels
 - A pragmatic set of recommendations



Figure 2: The software bill of materials dashboard in BlackBerry Jarvis.

An analysis of binary code in collaboration with a BlackBerry security expert provides insight into the vulnerabilities, data leakage and security gaps in your software and hardware supply chain (see Figure 3).

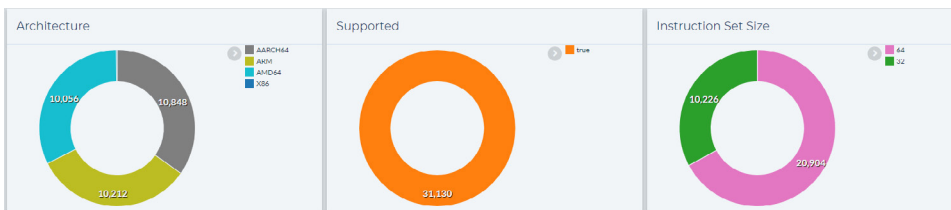


Figure 3: A hardware assessment example from BlackBerry Jarvis.

About BlackBerry QNX

BlackBerry QNX is a leading supplier of safe, secure and trusted operating systems, middleware, development tools and engineering services for mission-critical embedded systems. BlackBerry QNX helps customers develop and deliver complex and connected next-generation systems on time. QNX software is trusted in over 175 million vehicles and embedded systems in the medical, robotics, industrial automation, energy and aerospace markets. Founded in 1980, QNX is headquartered in Ottawa, Canada, and was acquired by BlackBerry in 2010.

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