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Testing Waiver/Conditional Approval Application

Manufacturers requesting to waive the normal Rogers' testing process or to request a conditional certification for deployment of their technology for use on the Rogers' network must complete this document clearly stating the reasons for their request.

Only requests from the manufacturer will be assessed and only Industry Canada and PTCRB certified product will be considered. There is no guarantee implied that requests will be granted. The hardware and software version of the device being considered for a waiver must be certified, it is not enough that a previous version has been certified.

Rogers respects the confidentiality of the information provided by manufacturers and will not disclose this information to third party individuals.

Completed documents should be e-mailed to: Alton.Wong@rci.rogers.com

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1) <u>General Information:</u>

   Date of request: April 1, 2019

   Device manufacturer: Advantech B+B SmartWorx

   Device model: SmartFlex

   Current hardware version: 1.0
   Current software version: 6.1.9

   PTCRB request # and approval date: 77831 March 29, 2019
   Industry Canada approval #: 7830A-PLS8X

   Previously Rogers' certified hardware version: 1.0
   Previously Rogers' certified software version: 6.1.8
   PTCRB request # and approval date of previous s/w version: 75067 Nov. 9, 2018

2) What is the manufacturer requesting to be waived or what conditions are requested as part of a conditional approval?

   Only host application FW is updated.

3) Why is this waiver/conditional approval being requested? Please list in point form the delta's between this waiver candidate and the previous Rogers' certified version.

   - Added program "nohup"
   - Added program "report"
   - Added program "umupdate"
   - Added option for selecting interface to program "ping"
   - Added support of eMMC 5.1 specification
   - Added support of ODIS/DHIR
   - Added configurable timeout for checking connection
   - Added information about additional interfaces into SNMP
   - Modified comparison of firmware versions
   - Modified switching to another SIM card after modem hangup
   - Modified reading out ICCID from SIM card
   - Increased buffer size for USB bulk transfers
   - Fixed setting of PDP context
   - Fixed detection of RS485

- Fixed IPv6 prefix delegation
- Fixed switching to lower power mode while binary input is already active
- Fixed kernel crash after change of bridge configuration
- Fixed JavaScript on page SMTP Configuration
- Fixed JavaScript on page SMS Configuration
- Upgraded library OpenSSL to version 1.0.2r
- Upgraded program dnsmasq to version 2.80
- Upgraded program hostapd to version 2.7
- Upgraded program wpa_supplicant to version 2.7

4) If this waiver request is specific to module firmware upgrades, please clearly state the differences in point form between the original Rogers' certified version of firmware and the version for which a waiver is requested (attach release notes where applicable). Note: Waivers will only be considered if there are no changes with the way in which the module communicates with the network

No changes in the module FW.

5) What additional considerations does Rogers need to be aware of to support this application? What other operators are this using this hardware with this specific hardware and software configuration?

We are using the same HW and FW for AT&T and Verizon.

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6) Please include the name, title and contact information of the individual requesting this Waiver/Conditional Approval on behalf of the manufacturer.

Eduard Doskocil
eduard.doskocil@advantech-bb.cz
+420 737 617 681

7) Manufacturer understands and agrees that it is their sole responsibility to ensure that the device for which a waiver is requested functions at a minimum; the same as previous Rogers' certified versions and that there is no change in the way in which the device communicates with the network.

Manufacturer Acknowledgement: Eduard Doskočil

Date of Acknowledgement: Apr 1, 2019

8) <u>Rogers Approvals:</u>

Rogers Business Assessment:
Thomas Kwok, Dir. Certification and Monitor, Mobile Channel

Rogers Business Approval:
Thomas Kwok, Dir. Certification and Monitor, Mobile Channel

Rogers Engineering Assessment:
Michael Paragas, Radio System Designer,
Device Accreditation, Mobile Access Engineering

Rogers Engineering Approval:
Victor Chan, P. Eng., Manager,
Device Accreditation, Mobile Access Engineering

Date of Approval: May 7, 2019