

Nokia Device Onboarding and Validation for OMADM and LWM2M

VZW Open Development Device Self-Test Verification Process

Version 1.0

Open Development Device Verification Process

Overview

The following high level information is intended to educate Original Equipment Manufacturers (OEMs) about the Nokia services provided to Verizon Wireless relating to OMADM and LWM2M device interoperability testing.

This information will cover:

- Expectations – What is tested?
- OEM Onboarding
 - NDA, Account(s) set-up, Documentation, and Support
- Self-Testing – OEM performs testing against device

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OMADM and LWM2M Expectations

Device Manufacturers working with Verizon and Nokia for device self-test and/or certification are expected to adhere to the requirements and test plans provided by Verizon.

The table shown below reflects the applicable test plan(s) based on the **Device Management (DM) client** device type

VZW Test Plan	Device Type (Using OMADM client)
	Open Development (including Telematics)
Verizon LTEOTADM Test Plan Plan ID: LTEFIELDQA	Yes
Verizon OD-OTADM Test Plan Plan ID: VZ_TC_OD_OTADM (FOTA)	Yes
Device Type (Using LWM2M client)	
Verizon LWM2MOTADM Test Plan Plan ID: LWM2MOTADM	Yes

*Please visit the Verizon Open Development Portal for additional information pertaining to Verizon Requirements and/or Test Plans

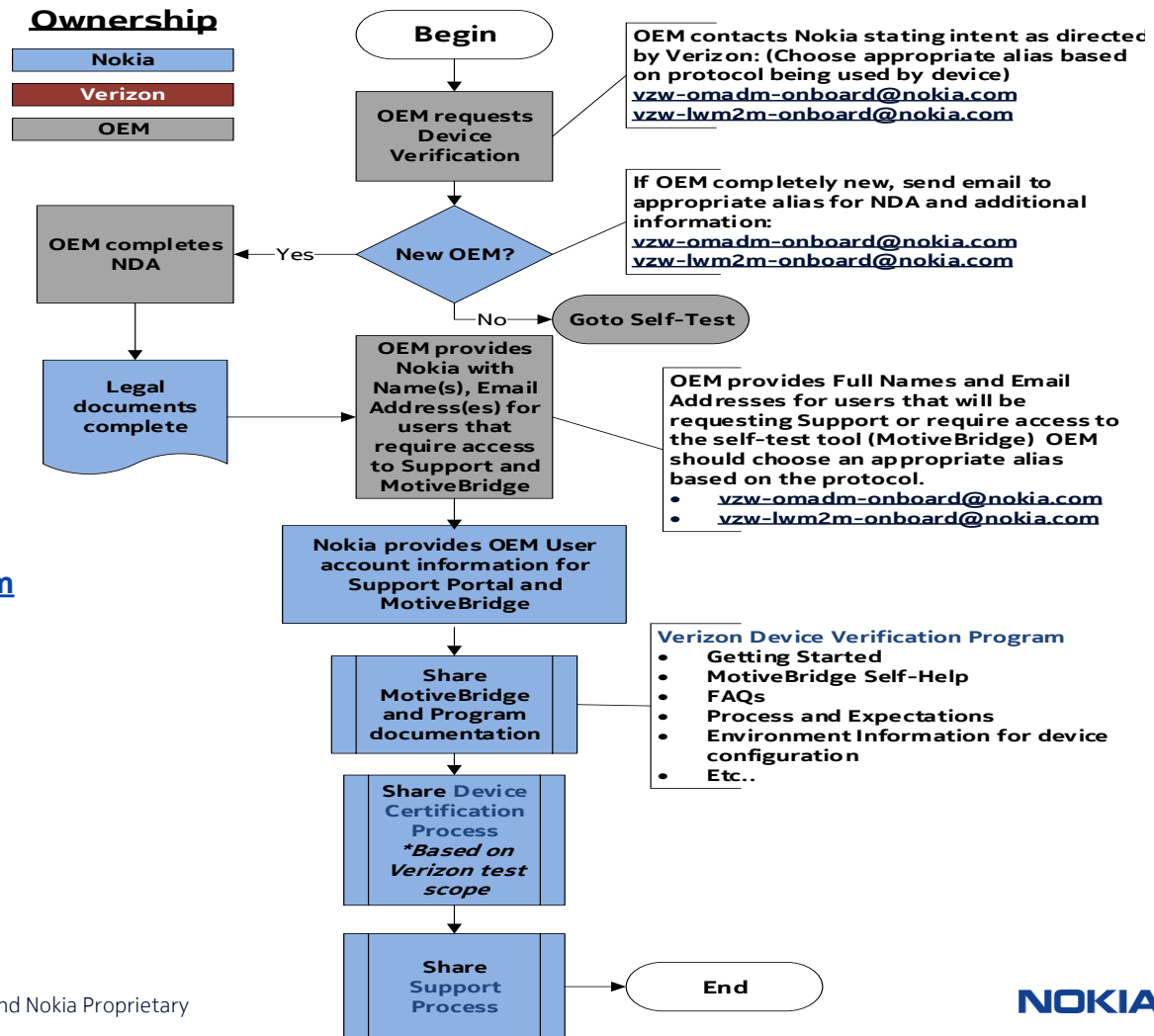
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OEM Onboarding

- OEMs new to the program must first be Onboarded prior to any self-test validation
 - Non Disclosure – OEM/Nokia to mutually sign nondisclosure agreement
 - Portal and MotiveBridge Accounts – Provides access to documentation, Support, and MotiveBridge Self-Test tool
 - OEM to send email to Nokia at either of the following addresses, depending on the protocol leveraged by device, and provides names and email addresses of users requiring access to Support, Documentation, and MotiveBridge
 - For OMADM vzw-omadm-onboard@nokia.com
 - For LWM2M vzw-lwm2m-onboard@nokia.com
 - Upon receipt of names and email addresses, Nokia shall create accounts then share login information with each user
 - MotiveBridge Account – Provides access to self-test tool
 - Nokia creates group account based on OEM. OEM Group Admins can then provide accounts to other team members
 - Users in the specific OEM group will have access to all devices and test suites/results for that OEM

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OEM Onboarding Flow



IoT/M2M Host Device Self-testing Overview

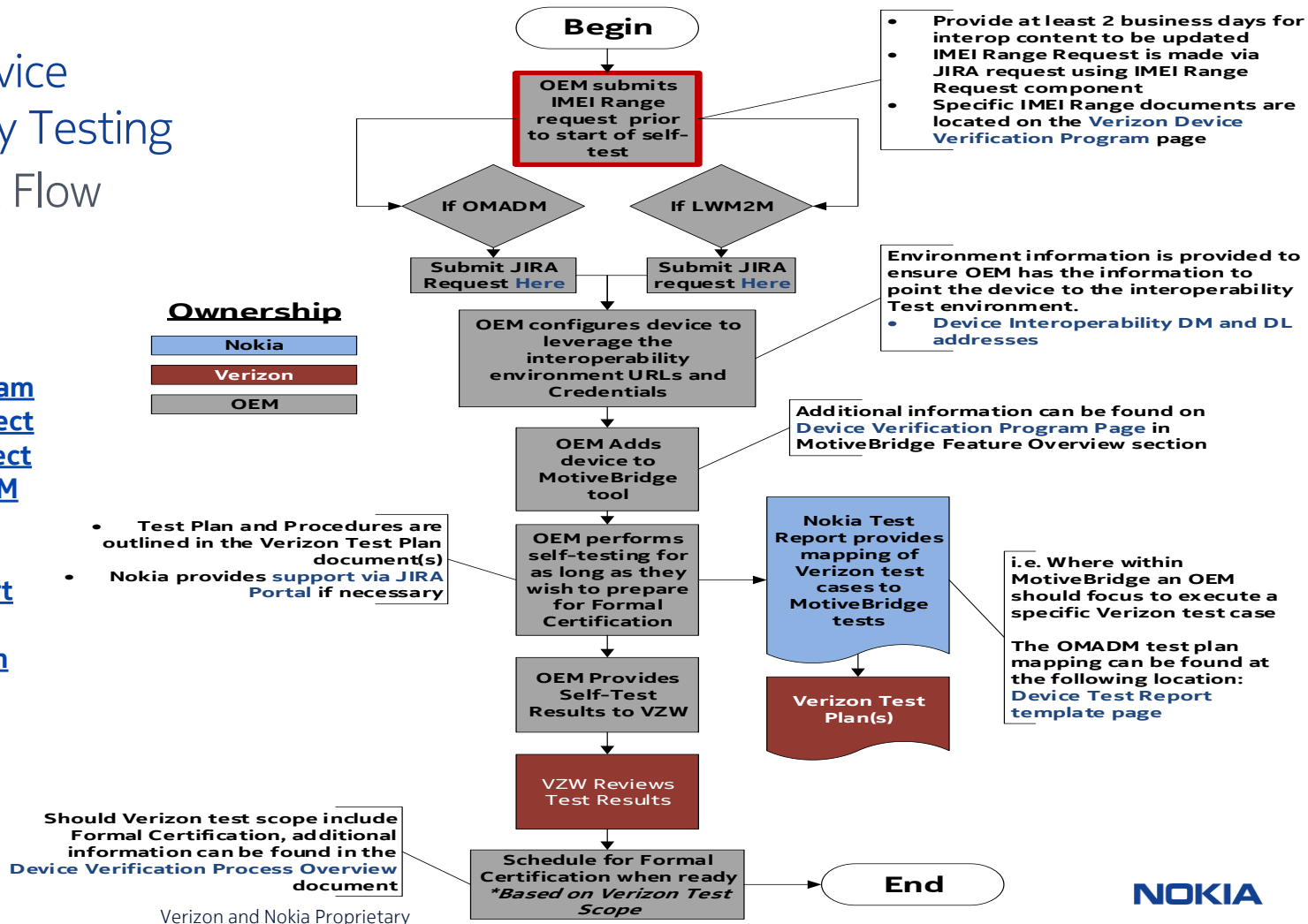
- If the IoT/M2M host device is using an Approved Module or Chipset, the OEM can follow Self-testing path only and submit results to Verizon. OEM does not need to complete technical survey or follow the Formal testing path.
- Assume OEM has been granted access to Nokia platform, [MotiveBridge](#)
- OEM will submit IMEIs/Endpoint prefixes to Nokia to update the Interoperability Environment
- OEM should obtain [appropriate server URL](#) info from Module vendor to point the test devices to Motive IOT server.
- OEM reviews Self-testing documentation and/or videos located at on the [Nokia portal](#) (optional)
- OEM will perform self-testing remotely
- OEM will generate a test results from the Nokia self-test tool to be submitted for Verizon evaluation
- After Verizon evaluation, OEM may be required to perform Formal testing

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OEM Self-Test Flow

URLs:

- [Verizon Device Verification Program](#)
- [OMADM JIRA Project](#)
- [LWM2M JIRA Project](#)
- [Interoperability DM and DL Addresses](#)
- [Support via JIRA](#)
- [Device Test Report Template](#)
- [Device Verification Process Overview](#)



FAQ

How long does it typically take for Self-testing?

Answer: The amount of time for self-testing is completely at the discretion of the OEM.

Where can I submit IMEI requests so my device is known by its make/model in MotiveBridge?

Answer: The range documents ([OMADM](#) and [LWM2M](#)) are found on the portal. Once completed, the OEM attaches the document to a support request. See OEM-Self Test Flow for additional details.

How do I know if my device is using LWM2M or OMADM?

Answer: The module manufacturer will determine the appropriate DM client. The manufacturer should provide information pertaining to either LWM2M or OMADM configuration options. (CatM1 or NB1 devices will always use LWM2M, Cat1 and above almost always use OMADM, but LWM2M is also possible).

Why does the support tool UI look different than MotiveBridge?

Answer: The Support Portal and MotiveBridge are two completely separate applications.

Where can I find additional information about self test?

Answer: Additional information can be obtained from the Verizon [Device Verification Program page](#). Any additional requests for information can be submitted through the appropriate JIRA portal.

I have additional questions, who should I contact?

Answer: For **Nokia**, please send email to one of the following addresses: vzw-omadm-onboard@nokia.com or vzw-lwm2m-onboard@nokia.com

For **Verizon**, please visit <https://opendevelopment.verizonwireless.com/faqs>

If neither of the above answers your question, please contact verizonwireless-opendevelopment@verizonwireless.com

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