PRESS RELEASE

Furukawa Network Solution Corp. and Transatel (an NTT Group Company) to unveil Router Connectivity Solution Utilizing Bootstrap eSIM at Interop Tokyo 2026.

Verifying Wi-Fi-Free Initial eSIM Activation Using FITELnet® F225

June 8th , 2026 - Furukawa Network Solutions Corp., a Furukawa Electric Group company (Headquarters: Hiratsuka-shi, Kanagawa, Japan; hereinafter "FNSC") and Transatel, an NTT Group company (Headquarters: Paris, France; hereinafter "Transatel"), today announced the launch of a proof of concept (PoC) for a router connectivity solution utilizing Bootstrap eSIM technology. In this PoC, Furukawa Electric Co., Ltd. (hereinafter "Furukawa Electric")'s network equipment will be combined with Transatel's Bootstrap eSIM technology and multi-carrier connectivity supporting NTT DOCOMO and KDDI networks to verify the effectiveness of initial connectivity establishment and eSIM profile delivery for router devices deployed in Japan before operational network activation.

Background

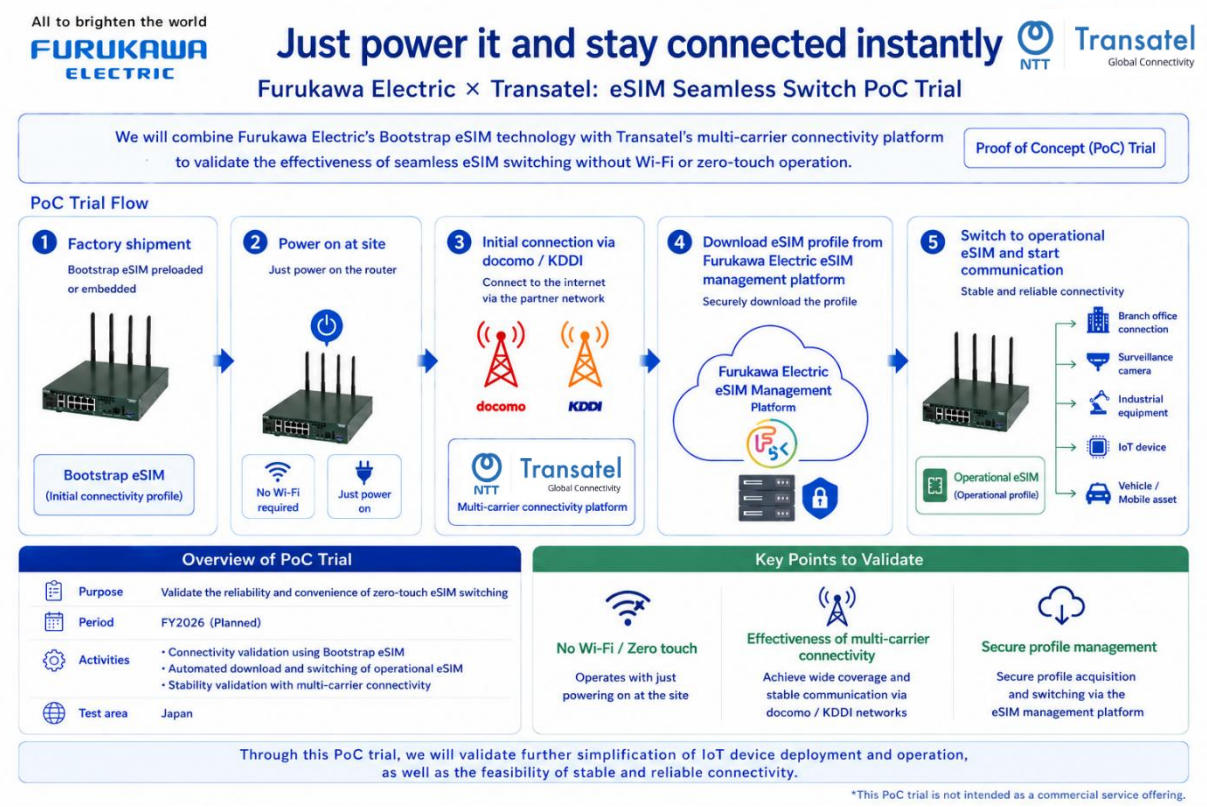
As enterprise networks and IoT device deployments continue to expand, there is increasing demand for streamlining router installation, initial configuration, and network activation processes.

Particularly for eSIM-enabled routers, a communication channel is required to download operational eSIM profiles. However, deployment sites often lack available Wi-Fi or wired network infrastructure, making the establishment of initial connectivity a key challenge.

Bootstrap eSIM provides temporary connectivity when the device is powered on, enabling operational eSIM profiles to be remotely downloaded and applied over the network connection. This enables remote activation and profile provisioning without requiring separate Wi-Fi connectivity or manual configuration at the deployment site, thereby reducing operational workload during router installation.

Overview of the Proof of Concept

In this PoC, Furukawa Electric's "FITELnet® F Series" router product, the "FITELnet® F225," will be used to validate a connectivity method utilizing Transatel's Bootstrap SIM/eSIM technology. The FITELnet® F225 is a corporate-grade access router supporting 5G/LTE communication. Despite its compact form factor, it is designed for a wide range of network applications including branch connectivity and backup network use cases, enabling flexible network deployment in Japan.



Flow from Initial Bootstrap eSIM Connectivity to Operational Network Switching

The PoC will validate the following process for transitioning from initial router connectivity to operational network usage:

1. A Transatel Bootstrap eSIM is pre-installed or bundled with the FITELnet® F225.
2. Once powered on at the deployment site, the Bootstrap eSIM establishes initial connectivity using NTT DOCOMO / KDDI multi-carrier access.
3. Using this connectivity, the operational eSIM profile is remotely downloaded through Furukawa Electric's eSIM management platform.

4. After the download is completed, the router switches from the Bootstrap eSIM profile to the operational eSIM profile.
5. The router then continues communication using the operational network connection.

This process enables remote download and activation of eSIM profiles even in environments where Wi-Fi or wired network connectivity is unavailable at the deployment site.

Transatel provides multi-carrier connectivity in Japan supporting NTT DOCOMO and KDDI networks, helping ensure reliable initial connectivity even in remote locations or temporary deployment environments where single-carrier connectivity may be unstable.

Through this PoC, the companies will evaluate the feasibility of reducing operational tasks such as physical SIM replacement, APN configuration, and preparation of Wi-Fi or wired connectivity, while enabling zero-touch deployment for router installations.

Exhibition at Interop Tokyo 2026

FNSC and Transatel plan to showcase this PoC at the Furukawa Electric booth (5P04) during Interop Tokyo 2026 from June 10th to 12th. At the exhibition, a live demonstration using the FITELnet® F225 will showcase the complete workflow from initial Bootstrap connectivity to operational eSIM profile switching.

The demonstration will visualize the process of downloading an operational eSIM profile over Bootstrap connectivity and switching to the operational network connection on an actual device. This use case will demonstrate how communication activation and eSIM switching can be remotely performed even in deployment environments without Wi-Fi or wired connectivity.

Comments

FNSC

"We have been committed to enhancing our customers' communications infrastructure through high-quality networking products developed and supported in Japan.

Through this proof-of-concept (PoC) with Transatel, we will evaluate a new approach that leverages Bootstrap eSIM technology to address a key operational challenge: establishing initial connectivity when deploying routers. In conjunction with eSIM support on the FITELnet® F225, we regard this PoC as an important step toward practical implementation of the solution.

By doing so, we aim to enable a deployment model in which device configuration can be completed remotely, even in environments where neither Wi-Fi nor wired network connectivity is available. Going forward, we will continue to enhance the value of our networking products, including the FITELnet® F225, and promote solutions that are easy to use and easy to deploy for customers in Japan."

Makoto Nakamura, President and Representative Director of FNSC

Transatel

"We are excited to collaborate with FNSC to further expand the use of Bootstrap SIM technology in the Japanese market. By leveraging Transatel's strength in multi-carrier connectivity supporting NTT DOCOMO and KDDI networks, we aim to help solve initial connectivity challenges associated with eSIM deployment by providing reliable connectivity even in remote and temporary environments."

Jacques Bonifay, CEO and co-founder of Transatel (an NTT Group Company)

About Furukawa Network Solutions Corp.

Furukawa Network Solution Corp. was established in April 2005 as a dedicated networking router company through the spin-off of the Network Business Division of Furukawa Electric Co., Ltd.

Since the late 1980s, Furukawa Electric Co., Ltd. has been developing and commercializing networking equipment and has continued to lead the industry as a pioneer among Japanese router manufacturers. Building on Furukawa Electric Co., Ltd.'s long-standing technological excellence and proven reliability, we will continue to deliver products and services that solve our customers' challenges through a spirit of innovation, creativity, and relentless pursuit of new possibilities.

About Transatel (an NTT Group Company)

Transatel is a global provider of mobile connectivity solutions and a leading MVNO/MVNE enabler. As a pioneer in Machine-to-Machine (M2M) and IoT connectivity, Transatel simplifies global IoT deployments through its advanced connectivity management platform. Through partnerships with mobile carriers worldwide, Transatel provides connectivity across LTE-M, 3G, 4G, and 5G networks. Transatel's (e)SIM technology securely connects millions of vehicles, industrial machines, and consumer devices to both public and private cellular networks. Transatel's customers include leading global enterprises such as Airbus, BMW Group, Worldline, Air France, and Toyota. In addition, Transatel's "Ubigi" solution provides global mobile data

connectivity services for international travelers and remote workers. Visit www.transatel.com for more information

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