

Seamless Handover in Supply Chain: Connectivity Testing

Organization Name: Tata Telecommunications

Overview:

Today, to avoid faults in the end device for the customers, the industry stakeholders modem manufacturers, telematics unit manufacturer and OEM manufacturer do connectivity testing/ validation at each stage. The challenge is how to ensure seamless hand-off, authentication and provisioning across the different stakeholders

Current Challenges

How the industry can solve the interim steps during manufacturing / distribution for connected devices so that each step can do their own testing / validation exercises using connectivity while the components change hands / ownership. As an example – the modem manufacturer may want to test connectivity before handing off to the telematics unit manufacturer who may want to test before handing off to the vehicle OEM before handing off to the dealer, etc. At each step – there may be requirements for testing that includes connectivity. So challenge is how to ensure seamless hand-off, authentication and provisioning across the different stakeholders

Business Requirements:

The interim steps increase the delay, which increases the time taken from a modem manufacturer to be a part of the finished good by the OEM , it also adds to cost overhead as testing/ verification procedures are to be followed at each step. This makes businesses interested in decreasing the time to serve a customer and reducing the cost