## **EUICC for IoT** KNOW THE TRUTH ABOUT THE RISKS



**eUICC** or embedded SIM technology is the new standard from the GSMA. It allows devices to switch to a new network virtually over-the-air. The eUICC standard was designed with consumer devices in mind and allows them to switch mobile networks without physically changing the SIM.

That sounds **great** for my IoT project!

## Well hold on a second.

While long term IoT deployments want to be able to switch networks and localise to regions

standard eUICC wasn't built for large scale IoT deployments and can cause you issues...

**Issues?** That doesn't sound good?

It's not. Switching networks using most standard eUICC SIMs causes more problems.

## Here's how it goes wrong

IoT devices need flexibility to frequently switch networks



Managing the network switch between multiple MNOs is technically challenging and resource intensive



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Under eUICC you switch your network over-the-air (OTA).



You must manually change the SIM management over to the new networks' Subscription Management Secure Routing (or SM-SR). This comes with operational risk, increases switching time and removes the fallback bootstrap profile option.



If the new network can't connect – you don't have any fallback network options, so you can't communicate with your device.





Without a central connectivity management portal and control of the SM-SR, you can't easily and frequently switch networks across your entire device estate.

## 

Learn how Eseye takes a different approach to eUICC and IoT connectivity management – Download the **AnyNet Advantage Solution Paper** 

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