Battery Life & Power Consumption Testing Benefits

DEKRA

Custom-tailored

- Use case-dependent testing suites proposed and priced
  - Supported radio technologies
  - Supported power consumption modes
- Risk assessment-based test scoping (pre-testing)
- Upgrade options available

Test facilities

- Network simulators: Rohde & Schwarz CMW-500 with CMWcards and CMX-500 with CMsquares, Keysight UXM 5G with PRT
- Power supplies and current probes adapted to different power consumption levels
- Proprietary tools to trigger and monitor data traffic in downlink and uplink

Conformance

- Measurement of battery life & power consumption according to GSMA TS.09 and TS.40 specifications
- Covering battery lifer performance requirements from GCF

Improve Business Case

- Understand how to improve your design to ensure that battery covers the entire expected lifetime of the device and its intended use
- Identify potential first points of failure
- Obtain expert recommendation on design improvements

Offered in partnership with Deutsche Telekom IoT