

To be submitted by Tenderers

**Schedule XX** Factsheet of Proposed LoRaWAN Device

Tenderers shall submit this factsheet together with the device specification upon submission of this tender. Failed to complete or any non-compliance of the mandatory requirements may lead to non-compliance of this tender.

Item: e.g. parking sensor type A (item 1.1 in schedule A)

Manufacturer: \_\_\_\_\_

Device Model / Version: \_\_\_\_\_

	<b>Sensor Characteristics</b> The proposed LoRaWAN device model:	<b>Mandatory Level</b> (Must / Preferred)	<b>Tenderer's Response</b> (Comply / Not Comply)
1	supports uplink random LoRaWAN channel selection	Must	
2	supports Adaptive Data Rate (ADR)	Must	
3	supports Over-the-Air Activation (OTAA) activation mode	Must	
4	supports LoRaWAN class <u>A/B/C*</u> characteristics	Must	
5	supports <u>event triggered/configurable scheduled reporting*</u> data uplink method	Must	
6	supports heartbeat message at least once a day	Must	
7	is powered by <u>battery-cell/PV-panel/AC source*</u>	Must	
8	<u>supports the reporting of battery level in payload *</u>	Must	
9	supports automatic and/or scheduled re-join (re-activation) mechanism	Preferred^	
10	supports configurable DEV_EUI, APP_EUI and APP_KEY	Preferred^	
11	supports remote configuration and firmware upgrade via downlink messages	Preferred^	
12	supports confirmation uplink function with configurable frequency	Preferred^	
13	collects data that can be decoded/processed solely on EMSD's LoRa network server	Preferred^	

NOTES FOR USING THIS SCHEDULE:

\*please edit and / or delete whichever not applicable

^ please update the mandatory level from "Preferred" to "Must" if consider appropriate