A. GENERAL INFORMATION

[illegible]												
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

B. UPLINK MESSAGES FORMAT

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

20	0.10	424	0	187	0	digest	1.00	5	uint16	No	No	0 = DIGEST_1 1 = DIGEST_2 2 = DIGEST_3 3 = DIGEST_4 4 = DIGEST_5 5 = DIGEST_6 6 = DIGEST_7 7 = DIGEST_8 8 = DIGEST_9 9 = DIGEST_10	No	No	No
21	0.10	428	0	187	0	data.data	0.01	5	uint16	No	No	0 = DIGEST_1 1 = DIGEST_2 2 = DIGEST_3 3 = DIGEST_4 4 = DIGEST_5 5 = DIGEST_6 6 = DIGEST_7 7 = DIGEST_8 8 = DIGEST_9 9 = DIGEST_10 0 = DIGEST_1 1 = DIGEST_2 2 = DIGEST_3 3 = DIGEST_4 4 = DIGEST_5 5 = DIGEST_6 0 = Deactivate trigger 1 = DIGEST_1 2 = DIGEST_2 3 = DIGEST_3 4 = DIGEST_4 5 = DIGEST_5 6 = DIGEST_6	No	No	No
22	0.10	432	0	Bits	0	fc.power	1.00	10	uint16	No	No	Transmit power in dBm	No	No	No
23	0.10	434	0	187	0	frequency.interval.hz	0.1	1	uint16	No	No	Enable to change the frequency interval in Hz. Valid values are 0 (disable) and 1000 (default). Other values are rejected.	No	No	No
24	0.10	436	0	187	0	interval_for_rf_noise_level_for_event_check	1.00	0	uint16	No	No	The minimum number of interval for checking if the RF noise level is stable. Frequency hopping is disabled if the noise level is stable. Valid values are 0 (disabled) or configured in interval_for_rf_noise_level_for_event_check. Default value is 0 (disabled). Other values are rejected. Example: interval_for_rf_noise_level_for_event_check = 10 If the noise level is stable for 10 intervals, frequency hopping is disabled.	No	No	No
25	0.10	438	0	187	0	fec_rf_interval_for_rf_noise_check	1.00	0	uint16	No	No	The minimum number of interval for checking if the RF noise level is stable. Forward error correction is disabled if the noise level is stable. Valid values are 0 (disabled) or configured in fec_rf_interval_for_rf_noise_check. Default value is 0 (disabled). Other values are rejected.	No	No	No
26	0.10	440	0	187	0	fec_check_interval	0.1	0	uint16	No	No	Enable to set FEC_CHECK_LATEST_INTERVAL_NUMBER. Valid values are 0 (disabled) or 1. Other values are rejected.	No	No	No
27	0.10	442	0	187	0	FREQUENCY_HOPPING_FIRST_INTERVAL_NUMBER	0.100	0	uint16	No	No	A value used for calculating the first interval number for which channel hopping is allowed (hopping period). Valid values are 0 (disabled) or 1 or greater. Other values are rejected. Default value is 0 (disabled). The hopping period is calculated as follows: FIRST_INTERVAL_NUMBER = (current_interval_number - FIRST_INTERVAL_NUMBER) % hopping_period If hopping_period = 0, hopping is disabled. If hopping_period = 1, hopping is always enabled. If hopping_period > 1, hopping is enabled when FIRST_INTERVAL_NUMBER % hopping_period = 0. Example: FIRST_INTERVAL_NUMBER = 10 hopping_period = 3 hopping is enabled when current_interval_number = 10, 13, 16, 19, ...	No	No	No
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	0.10	444	0	187	0	CURRENT_CONFIGURATION			uint8	No	No	Current configuration number. Valid values are 0 (default configuration) or 1 (alternate configuration). Other values are rejected. Default value is 0. Changes to this value are applied on the next power, reset or of Hopping period. Changes to other values are applied immediately. The current configuration number is stored in the non-volatile memory. Default value is 0.	No	No	No
30	0.10	445	0	187	0	CONSIGNMENT_A	1	Hour	uint16	No	No	Consignment for Lot A	No	No	No
31	0.10	447	0	187	0	CONSIGNMENT_B	0	Hour	uint16	No	No	Consignment for Lot B	No	No	No
32	0.10	449	0	187	0	DIGEST_LIST		CONSTANT	Hash	No	No	Digest of valid for calculated data, and of	No	No	No
33	0.10	453	0	187	0	CURRENT_TIMESTAMP		0	Hour	uint16	No	Current UP-time for calculated data, and of	No	No	No
34	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	0.10	455	0	01	0	DATA_DIGEST_TIME	1	0	uint16	No	No	Digest for calculated data	No	No	No
36	0.10	457	0	01	0	DIGEST_INTERVAL_START_TIME	0	0	uint16	No	No	UP-TIMESTAMP_START	No	No	No
37	0.10	459	0	01	0	AUTHORIZATIONS_DIGEST_LIST	0.100	0	uint16	No	No	Authorization digest	No	No	No
38	—	—	—	—	—	—	—	—	—	—	—	—	—	—
39	0.10	461	0	01	0	DIGEST_DATA_START_TIME	1	0	uint16	No	No	Digest for calculated data	No	No	No
40	0.10	463	0	01	0	DIGEST_INTERVAL_START_TIME	0	0	uint16	No	No	UP-TIMESTAMP_START	No	No	No
41	0.10	465	0	01	0	AUTHORIZATIONS_DIGEST_LIST	0.100	0	uint16	No	No	Authorization digest	No	No	No
42	0.10	467	0	01	0	DIGEST_DATA_START_TIME	1	0	uint16	No	No	If 0 is set on 1 or multiple of 1 or multiple different values, the digest of the data is calculated from the current time minus the set value. Valid values are 0 (disabled) or 1 or greater. Other values are rejected. Default value is 0 (disabled). The digest is calculated as follows: DIGEST_DATA_START_TIME = (current_time - DIGEST_DATA_START_TIME) % hopping_period If hopping_period = 0, hopping is disabled. If hopping_period = 1, hopping is always enabled. If hopping_period > 1, hopping is enabled when DIGEST_DATA_START_TIME % hopping_period = 0.	No	No	No
43	0.10	469	0	01	0	DIGEST_INTERVAL_START_TIME	0	0	uint16	No	No	Digest for UP-time for calculated data	No	No	No
44	0.10	471	0	01	0	DATA_DIGEST_LIST	0.100	0	uint16	No	No	Digest of data for calculated data	No	No	No
45	0.10	473	0	01	0	FIRMWARE_VERSION	0.01	0	uint16	No	No	Version of firmware	No	No	No
46	0.10	475	0	01	0	CONFIG_DATA	0.01	1	uint16	No	No	Configuration for Wireless-based security. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 1 (enabled).	No	No	No
47	—	—	—	—	—	—	—	—	—	—	—	—	—	—
48	0.10	477	0	187	0	ENABLE_DATA_CONTROL	0.01	0	uint16	No	No	Enable data control. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled).	No	No	No
49	0.10	479	0	187	0	CHECK_DATA_CONTROL	0.01	0	uint16	No	No	Check data control. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled). Check data control is enabled only if enable data control is enabled.	No	No	No
50	0.10	481	0	01	0	FIRMWARE_CONTROL_ENABLE	0.01	0	uint16	No	No	Enable firmware control. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled).	No	No	No
51	0.10	483	0	01	0	FIRMWARE_CONTROL_DATA	0.01	0	uint16	No	No	Firmware control data. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled).	No	No	No
52	—	—	—	—	—	—	—	—	—	—	—	—	—	—
53	0.10	485	0	01	0	FIRMWARE_CONTROL_DATA_CHANGE_COUNT	0.1	0	uint16	No	No	Firmware control data change count. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled). The counter is incremented by one when the firmware control data is changed. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected.	No	No	No
54	0.10	487	0	01	0	FIRMWARE_CONTROL_DATA	0.0117	uint32	No	No	Firmware control data. Valid values are 0 (disabled) or 1 (enabled). Other values are rejected. Default value is 0 (disabled). The firmware control data is calculated as follows: FIRMWARE_CONTROL_DATA = (FIRMWARE_CONTROL_DATA_CHANGE_COUNT * 0.0117) % 2^32 If FIRMWARE_CONTROL_DATA_CHANGE_COUNT = 0, FIRMWARE_CONTROL_DATA = 0.	No	No	No