MQTT NET

ESP32

RaspberryPy

○ —— {invitation_id:<ID>,infos:{infos}}} —— where 'infos' has device_id=None —— | Raspberry_connect_to_sensors_net/request |

| NodeMCU_connect_to_sensors_net/ack | ←—— {invitation_id:<ID>, device_id:<ID>, Connection_permission:<allowed/denied>} ——

| NodeMCU_connect_to_sensors_net/ack | —— {invitation_id:<ID>,infos:{infos}}} —— where 'infos' has as device_id the assigned device_id —— | Raspberry_connect_to_sensors_net/ack |

| NodeMCU_connect_to_sensors_net/a_place_is_available | ←—— {invitation_id:<ID>, device_id:<ID>} —— ○

| NodeMCU_connect_to_sensors_net/a_place_is_available | —— {invitation_id:<ID>,infos:{infos}} —— | Raspberry_connect_to_sensors_net/a_place_is_available |

| audio/request | ←—— {device_id:<ID>, audio_data_topic_key:<topic_key>, communication_id:<ID>} —— ○

| audio/request | —— audio —— | audio/payload +audio_data_topic_key |

| audio/ack | ←—— {communication_id:<ID>, ack:ok} or {communication_id:<ID>, audio_data_topic_key:<topic_key>, ack:resend} ——

○ —— {communication_id:<ID>,invitation_id:<ID>} —— | Raspberry_echo |

| NodeMCU_echo | ←—— {communication_id:<ID>,invitation_id:<ID>} ——

| NodeMCU_awake_device | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_awake_device | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_awake_device |

| NodeMCU_enable_disable_audio_record | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_enable_disable_audio_record | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_enable_disable_audio_record |

| NodeMCU_get_infos | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_get_infos | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_get_infos |

| NodeMCU_sleep_mode | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_sleep_mode | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_sleep_mode |

| NodeMCU_disconnection_from_broker | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_disconnection_from_broker | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_disconnection_from_broker |

| NodeMCU_reset | ←—— {device_id:<ID>, communication_id:<ID>} —— ○

| NodeMCU_reset | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_reset |

| NodeMCU_recording_problems | ←—— {device_id:<ID>, communication_id:<ID>, recording_frequency:<freq>} —— ○

| NodeMCU_recording_problems | —— {communication_id:<ID>,infos:{infos}} —— | Raspberry_recording_problems |