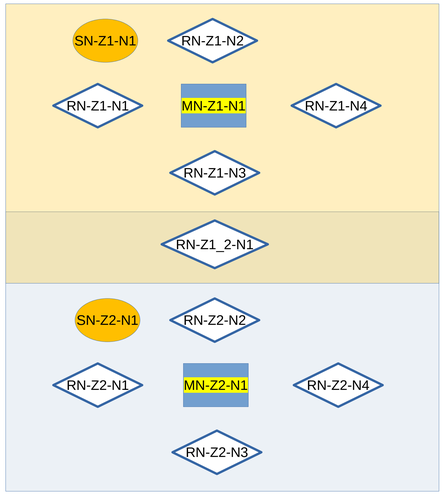
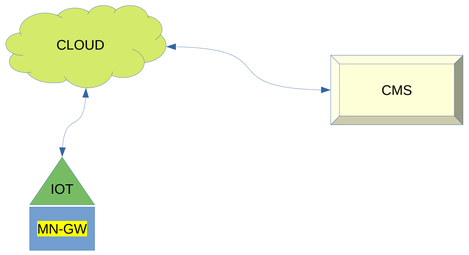
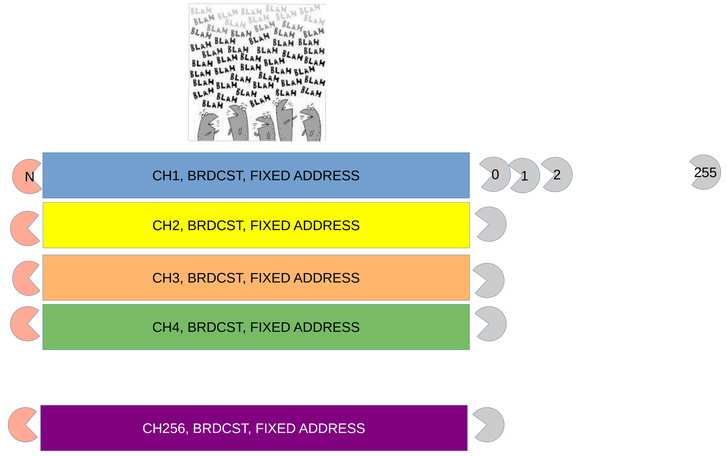
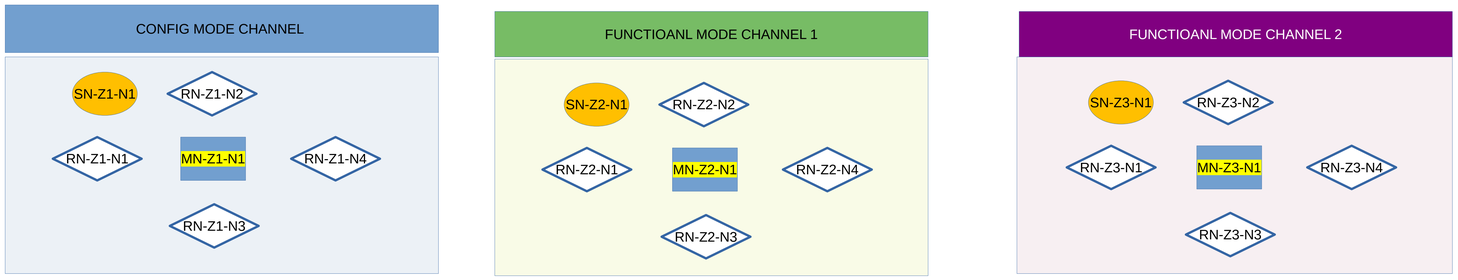






CC110L has 256 , CHANNELS, Each can have 256 min addresses

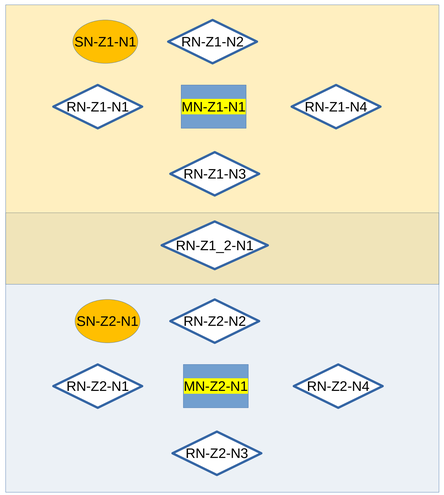


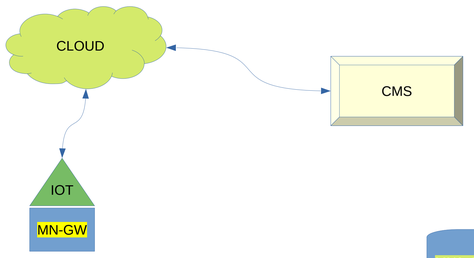
Ability :

- **Can have different zones on different channels**
- **SYNC WORD separation of different zones can be done**
  - **Overalpping relay will be made on by messaging over bluetooth**

Limitation :

- **A relay with multiples zones than both the zones should be on same channel**
  - **Sol : If not on same channel , a MN knowing to ON a particular light in its zone and not on channel**
  - **Will tell the other mesh node to ON it under whose channel this relay falls.**





SN-Z1-N1

BLINK LED

MN1::DYULABS_HEARTBEAT::BRDCST

MN1::RN_CFG_START::BRDCST

MN1::RN_CFG_HOLD::BRDCST

MN1::RN_ADDR_CNF::RN1

MN1::RN_ADDR_CHG::RN1

MN1::RELAY_IDNETIFY::RN1

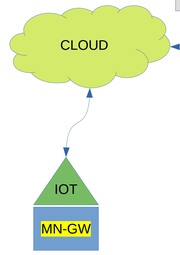
MN1::RN_ZONE_CNF::RN1

RN-ADD1
RN-ADD2

RN-ADD1-Z1
RN-ADD2-Z1

MN-Z1-N1

MN-Z2-N1



MN-UID1
MN-UID2
MN-UID3

MN-UID1
MN-UID2
MN-UID3
RN-UID1
RN-UID2

MN-UID1-Z1
MN-UID2
MN-UID3
RN-UID1-Z1
RN-UID2-Z1

CMS

CMS::CHN_SCAN_<TYPE>::MN-UID1
<TYPE> = CFG , FN

CMS::HEARTBEAT_ON::MN-UID1

CMS::HEARTBEAT_OFF::MN-UID1

MN-GW::CHN_SCAN_PASS::CMS

MN-GW::CHN_SCAN_FAIL::CMS

CMS::RN_CFG_START::MN-UID1

MN-GW::RN_PAIR_FAIL::CMS

MN-GW::RN_PAIRED::CMS

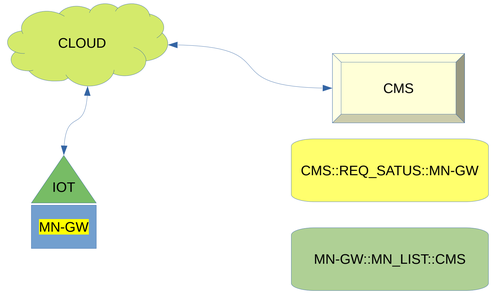
::MN-UID1

MN-GW::RN_ZONE_REQ::CMS

CMS::RN_ZONE_ASSIGN::MN-UID1

MN-GW::RN_ZONE_DONE::CMS

MN-UID1
MN-UID2
MN-UID3



MN-Z1-N1

MN-Z2-N1

CMS::REQ_SATUS::MN-GW

MN-GW::MN_LIST::CMS

RN-Z1-N4

RN-Z1_2-N5

BLINK LED

BLINK LED

RN4::CFG_REQ_WITH_RANDOM_ADD::MN1

RN5::CFG_REQ_WITH_RANDOM_ADD::MN1

RN4::RN_ADDR_CNF_ACK::MN1

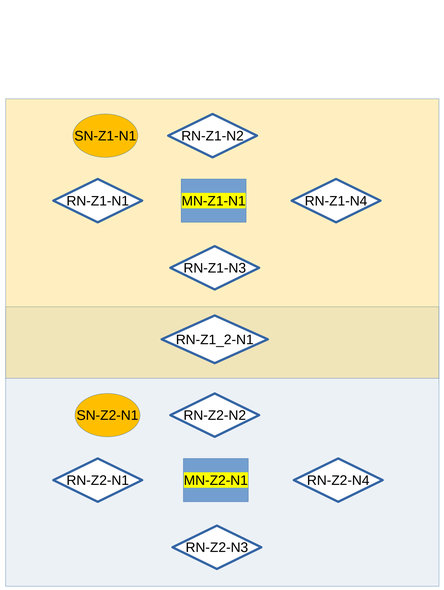
RN5::RN_ADDR_CNF_ACK::MN1

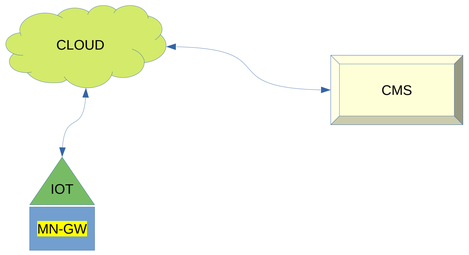
RN4::REQ_ZONE_ASSIGN::MN1

RN5::REQ_ZONE_ASSIGN::MN1

RN4::RN_ZONE_ACK::MN1

RN5::RN_ZONE_ACK::MN1





SN1::CFG_REQ_WITH_RANDOM_ADDR::MN1

SN1::SN_ADDR_CNF_ACK::MN1

SN-Z1-N1

SN1::SN_REQ_ZONE::MN1

SN1::SN_ZONE_ACK::MN1

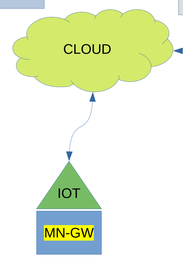
SN-ADD1

SN-ADD1-Z1

MN-UID1
MN-UID2
MN-UID3

MN-UID1
MN-UID2
MN-UID3
SN-UID1

MN-UID1-Z1
MN-UID2
MN-UID3
SN-UID1-Z1



MN1::SN_CFG_START::BRDCST

MN-Z1-N1

CMS::SN_CFG_START::MN-UID1

MN1::SN_CFG_HOLD::BRDCST

MN1::SN_ADDR_CNF::SN1

MN-GW::SN_PAIRED::CMS

MN-GW::SN_PAIR_FAILED::CMS

MN1::SN_ADDR_CHG::SN1

MN-Z2-N1

CMS::SN_ZONE_CFG::MN-UID1

MN1::SENSOR_IDNETIFY::SN1

MN-GW::SN_ZONE_REQ::CMS

MN1::SN_ZONE_CNF::SN1

CMS::SN_ZONE_ASSIGN::MN-UID1

MN-GW::SN_ZONE_DONE::CMS

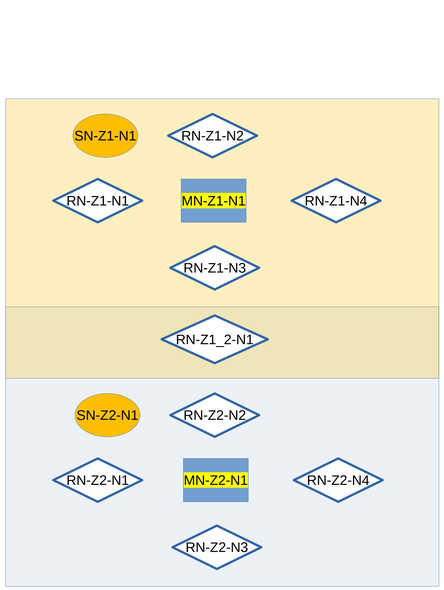
MN-UID1
MN-UID2
MN-UID3

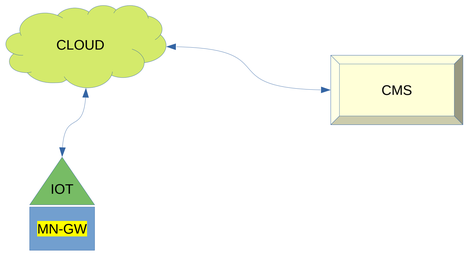
MN-Z1-N1

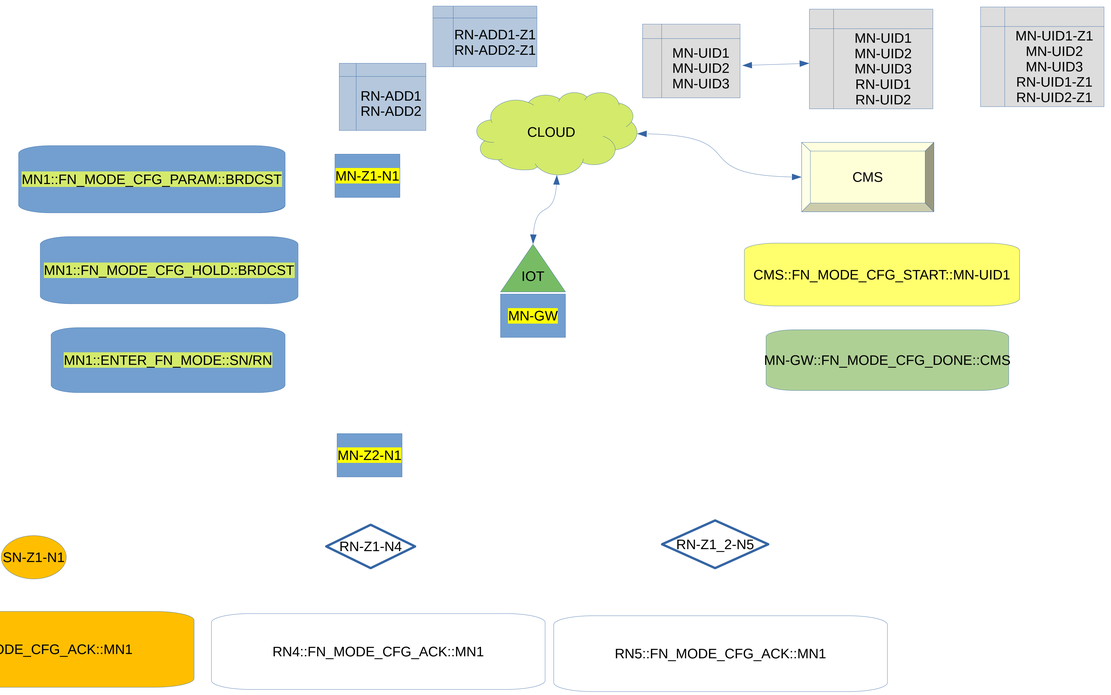
CMS::REQ_SATUS::MN-GW

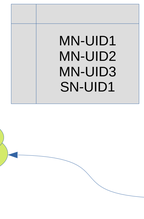
MN-GW::MN_LIST::CMS

MN-Z2-N1

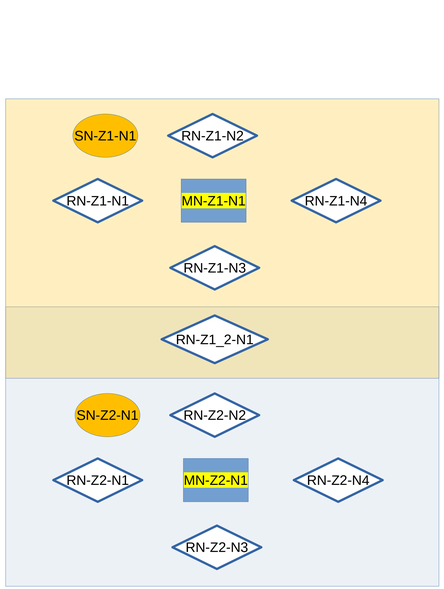

SN-Z1-N1
RN-Z1-N2
RN-Z1-N1
MN-Z1-N1
RN-Z1-N4
RN-Z1-N3
RN-Z1_2-N1
SN-Z2-N1
RN-Z2-N2
RN-Z2-N1
MN-Z2-N1
RN-Z2-N4
RN-Z2-N3

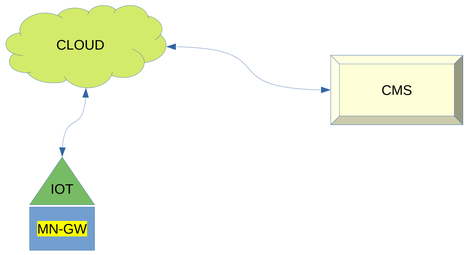

CLOUD
CMS
IOT
MN-GW


RN-ADD1-Z1
RN-ADD2-Z1
RN-ADD1
RN-ADD2
MN-UID1
MN-UID2
MN-UID3
MN-UID1
MN-UID2
MN-UID3
RN-UID1
RN-UID2
MN-UID1-Z1
MN-UID2
MN-UID3
RN-UID1-Z1
RN-UID2-Z1
CLOUD
CMS
MN1::FN_MODE_CFG_PARAM::BRDCST
MN-Z1-N1
MN1::FN_MODE_CFG_HOLD::BRDCST
IOT
MN-GW
CMS::FN_MODE_CFG_START::MN-UID1
MN1::ENTER_FN_MODE::SN/RN
MN-GW::FN_MODE_CFG_DONE::CMS
MN-Z2-N1
SN-Z1-N1
RN-Z1-N4
RN-Z1_2-N5
SN1::FN_MODE_CFG_ACK::MN1
RN4::FN_MODE_CFG_ACK::MN1
RN5::FN_MODE_CFG_ACK::MN1


MN-UID1
MN-UID2
MN-UID3
SN-UID1

CLOUD
CMS
MN-Z1-N1
IOT
MN-GW
MN-Z2-N1





MN1::MOTION_DET_M1_M2_ACK_KEEP_ALIVE:SN

MN1::CMD_AND_KEEP_ALIVE:SN

MN1::CMD_AND_SLEEP:SN

MN1::CMD_SERVICE:RN

MN1::FN_ADD_ZONE:RN

MN1::FN_ZONE_CHANGE::RN

MN1::FN_ZONE_OFF::BRDCST

MN1::FN_ZONE_ON::BRDCST

MN1::FN_SINGLE_ON::RN

MN1::FN_SINGLE_OFF:RN

MN1::MOTION_DET_M1_M2_ACK:SN

MN1::MOTION_DET_M1_M2_ACK_BAT_STATUS_REQ:SN

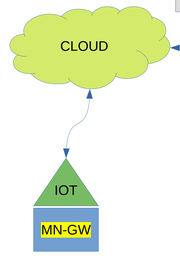
RN-ADD1-Z1
RN-ADD2-Z1_Z2

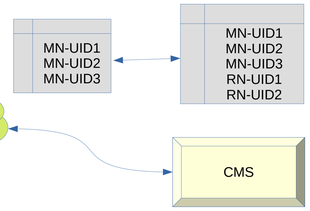
RN-ADD1-Z1
RN-ADD2-Z1

RN-ADD1
RN-ADD2

MN-Z1-N1

MN-Z2-N1





CMS::ZONE_OFF_TEST::MN-UID1

MN-GW::ZONE_OFF_TEST_DONE::CMS

CMS::ZONE_ON_TEST::MN-UID1

MN-GW::ZONE_ON_TEST_DONE::CMS

CMS::SINGLE_ON_TEST::MN-UID1

MN-GW::SINGLE_ON_TEST_DONE::CMS

CMS::SINGLE_OFF_TEST::MN-UID1

MN-GW::SINGLE_OFF_TEST_DONE::CMS

CMS::SNESOR_TEST::MN-UID1

MN-GW::SENSOR_TEST_DONE::CMS

CMS::SENSOR_BAT_STATUS::MN-UID1

MN-GW::SENSOR_BAT_STATUS::CMS

CMS::CMD_AND_KEEP_ALIVE::MN-UID1

CMS::CMD_SERVICE::MN-UID1

CMS::FN_ZONE_ADD::MN-UID1

CMS::FN_ZONE_CHANGE::MN-UID1

MN-GW::ZONE_ADD_DONE::CMS

MN-GW::ZONE_ADD_DONE::CMS

SN1::MOTION_DET_M1_M2::MN1

SN1::BATTERY_STATUS::MN1

SN1::CMD_SERVICE_ACK::MN1

RN4::FN_LIGHT_OFF_ACK::MN1

RN4::FN_LIGHT_ON_ACK::MN1

RN4::CMD_SERVICE_ACK::MN1

RN4::FN_ADD_ZONE_ACK::MN1

RN5::FN_LIGHT_OFF_ACK::MN1

RN5::FN_LIGHT_ON_ACK::MN1

RN5::FN_ZONE_CHANGE_ACK::MN1

SN-Z1-N1

RN-Z1-N4

RN-Z1_2-N5