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#ifndef _CONFIG_H_

#define _CONFIG_H_

/*****
*****/

#define APP_ADDR      0x0003 // 0x0000-Co-Ordinator 0x0001-Router
#define APP_PANID     0x1234
#define APP_SENDING_INTERVAL 220
#define APP_ENDPOINT 1
#define APP_SECURITY_KEY "TestSecurityKey0"

#if (defined (PHY_AT86RF212B) || defined (PHY_AT86RF212))
    #define APP_CHANNEL 0x01
    #define APP_BAND 0x00
    #define APP_MODULATION 0x2E
#else
    #define APP_CHANNEL 0x0f
#endif

#define PHY_ENABLE_RANDOM_NUMBER_GENERATOR

#define SYS_SECURITY_MODE 0

#define NWK_BUFFERS_AMOUNT 10
#define NWK_DUPLICATE_REJECTION_TABLE_SIZE 50
#define NWK_DUPLICATE_REJECTION_TTL 2000 /* ms */
#define NWK_ROUTE_TABLE_SIZE 100
#define NWK_ROUTE_DEFAULT_SCORE 3
#define NWK_ACK_WAIT_TIME 1000 /* ms */

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#define NWK_GROUPS_AMOUNT          3

#define NWK_ROUTE_DISCOVERY_TABLE_SIZE  5

#define NWK_ROUTE_DISCOVERY_TIMEOUT    1000 /* ms */

#define APP_RX_BUF_SIZE              20

#define NWK_ENABLE_ROUTING

// #define NWK_ENABLE_SECURITY

#define NWK_ENABLE_ROUTE_DISCOVERY


#if APP_ADDR == 0

#define APP_CAPTION    "Coordinator"

#define APP_NODE_TYPE  0

#define APP_COORDINATOR 1

#define APP_ROUTER    0

#define APP_ENDDEVICE 0

#elif APP_ADDR < 0x8000

#define APP_CAPTION    "Router"

#define APP_NODE_TYPE  1

#define APP_COORDINATOR 0

#define APP_ROUTER    1

#define APP_ENDDEVICE 0

#else

#define APP_CAPTION    "End Device"

#define APP_NODE_TYPE  2

#define APP_COORDINATOR 0

#define APP_ROUTER    0

#define APP_ENDDEVICE 1

#endif

/*- Definitions -----*/

#define Fourteen_Sample  70

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#define BUFFER_FULL    80
#define SEVENTHY      70
#define SEVENTHY_ONE  71
#define SEVENTHY_TWO   72
#define SEVENTHY_THREE 73
#define SEVENTHY_FOUR  74
#define SEVENTHY_FIVE  75
#define SEVENTHY_SIX   76
#define SEVENTHY_SEVEN 77
#define SEVENTHY_EIGHT 78
#define SEVENTHY_NINE  79

/*- ADC Definitions -----*/

#define PACKETSIZE      70

#define MODULE_NO      15          // MODULE_NO = 12 is Thermocouple 1 in Lab view

#define RF_MOD_PAYLOAD_SIZE 70

#define Dummy_Byte      0xFF

#endif /* _CONFIG_H_ */

```