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/*****

Header file for template Flat Sate Machine
based on the Gen2 Events and Services Framework

*****/

#ifndef Receive_SM_H
#define Receive_SM_H

// Event Definitions
#include "ES_Configure.h" /* gets us event definitions */
#include "ES_Types.h" /* gets bool type for returns */

typedef enum {_InitReceive, _Waiting4Start, _Waiting4MSB, _Waiting4LSB,
             _Waiting4API, _Waiting4Data_ResultFromTransmit,
             _Waiting4DataIncomingPacket} ReceiveState_t ;

// Public Function Prototypes
bool InitReceive_SM ( uint8_t Priority );
bool PostReceive_SM( ES_Event ThisEvent );
ES_Event RunReceive_SM( ES_Event ThisEvent );
void setEncryptionIndex(void);
uint8_t getLastEncryptedCksum(void);
uint8_t getColorBit(void);

#endif /* Receive_SM_H */

```