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/*****

Header file for FarmerTXSM

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#ifndef FarmerTXSM_H
#define FarmerTXSM_H

#include "ES_Configure.h"
#include "ES_Types.h"

// Public Function Prototypes

typedef enum {Waiting2Transmit,
              Transmit
              } FarmerTX_State_t;

bool InitFarmerTXSM ( uint8_t Priority );
bool PostFarmerTXSM( ES_Event ThisEvent );
ES_Event RunFarmerTXSM( ES_Event ThisEvent );
void FarmerTX_ISR( void );
void enableTransmit( void );
void disableTransmit(void);
//void setUnpair( void );
//void setPair( void );
void setFarmerDataHeader(uint8_t Header);
void setDestDogAddress(uint8_t AddrMSB, uint8_t AddrLSB);
void setDogTag(uint8_t TagNumber);
void EnableReverse(void);
void DisableReverse(void);
void EnableLeftBrake(void);
void DisableLeftBrake(void);
void EnableRightBrake(void);
void DisableRightBrake(void);
void TogglePeripheral(void);
uint8_t getDestAddrMSB(void);
uint8_t getDestAddrLSB(void);
void resetEncryptionIndex(void);
uint8_t getEncryptionKeyIndex(void);
void clearControls(void);

#endif /* FarmerTXSM_H */

```