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/*****

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

*****/

#ifndef FSMPltfm_H
#define FSMPltfm_H

// Event Definitions
#include "ES_Configure.h"
#include "ES_Types.h"

// typedefs for the states
// State definitions for use with the query function
typedef enum
{ Waiting_for_Initialize,Waiting_for_Command,Waiting_for_Timeout,Waiting_for_Beacon,Waiting_for_Tape } PltfmState_t ;

typedef enum
{ FWD, BWD, CW, CCW} DIRECTION;

typedef enum
{ Stopped, _90DegSpeed, _45DegSpeed, FullSpeed, HalfSpeed,TapeSpeed, BeaconSpeed,_60DegSpeed } SPEED;
// Public Function Prototypes

boolean InitPltfmFSM ( uint8_t Priority );
boolean PostPltfmFSM( ES_Event ThisEvent );
ES_Event RunPltfmFSM( ES_Event ThisEvent );
PltfmState_t QueryPltfmFSM ( void );

void StopMotors(void);

#endif /* FSMTemplate_H */

```