```
//
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// ********************************************************************
//
/// \file electromagnetic/TestEm3/include/HEPDSWDetectorMessenger.hh
/// \brief Definition of the HEPDSWDetectorMessenger class
//
// $Id$
//
//....oooOO0OOooo........oooOO0OOooo........oooOO0OOooo........oooOO0OOooo......
//....oooOO0OOooo........oooOO0OOooo........oooOO0OOooo........oooOO0OOooo......

#ifndef HEPDSWDetectorMessenger_h
#define HEPDSWDetectorMessenger_h 1

#include "globals.hh"
#include "G4UImessenger.hh"

class HEPDSWDetectorConstruction;
class G4UIdirectory;
class G4UIcommand;
class G4UIcmdWithAnInteger;
class G4UIcmdWithADoubleAndUnit;
class G4UIcmdWithoutParameter;
class G4UIcmdWithABool;
class G4UIcmdWithAString;

//....oooOO0OOooo........oooOO0OOooo........oooOO0OOooo........oooOO0OOooo......

class HEPDSWDetectorMessenger: public G4UImessenger
{
public:
  HEPDSWDetectorMessenger(HEPDSWDetectorConstruction* );
  ~HEPDSWDetectorMessenger();

  virtual void SetNewValue(G4UIcommand*, G4String);

private:
  HEPDSWDetectorConstruction* Detector;

  G4UIdirectory*          fHepdDir;
  G4UIcommand*            fWorldSizeCmd;

  G4UIcmdWithABool* fCaloActivateCmd;
  G4UIcmdWithABool* fTrackerActivateCmd;
  //G4UIcmdWithABool* fScintillatorActivateCmd;
  G4UIcmdWithABool* fSatelliteActivateCmd;
  G4UIcmdWithABool* fHEPDBoxActivateCmd;
```

```
  G4UIcmdWithAString* fCaloConfigCmd;
  //G4UIcmdWithAString* fScintConfigCmd;
  G4UIcmdWithAString* fTrackerConfigCmd;
  G4UIcmdWithAString* fSatelliteConfigCmd;
  G4UIcmdWithAString* fHEPDBoxConfigCmd;

  //G4UIcmdWithAString* fCaloCaloMatConfigCmd;
  G4UIcommand*        fCaloCalo2MatConfigCmd;
  G4UIcmdWithAString* fCaloVetoMatConfigCmd;
  G4UIcmdWithAString* fCaloPoronMatConfigCmd;
  G4UIcmdWithAString* fCaloCarbonFiberMatConfigCmd;
  G4UIcmdWithAString* fCaloHoneyCombMatConfigCmd;
  G4UIcmdWithAnInteger* fCaloCrystalLayerConfigCmd;

  //G4UIcmdWithAString* fScintScintMatConfigCmd;
  //G4UIcmdWithAString* fScintPoronMatConfigCmd;
  //G4UIcmdWithAString* fScintCarbonFiberMatConfigCmd;

  G4UIcmdWithAString* fTrackerSiliconMatConfigCmd;
  G4UIcmdWithAString* fTrackerKaptonMatConfigCmd;
  G4UIcmdWithAString* fTrackerCarbonFiberMatConfigCmd;

  G4UIcommand*        fHEPDBoxMLBlanketMatConfigCmd;
  G4UIcmdWithAString* fHEPDBoxBlanketMatConfigCmd;
  G4UIcmdWithAString* fHEPDBoxWallMatConfigCmd;
  G4UIcommand*        fHEPDBoxWallTwoMatConfigCmd;

  G4UIcmdWithAString* fSatelliteBlanketMatConfigCmd;
  G4UIcmdWithAString* fSatelliteWallMatConfigCmd;


};

//....oooOO0OOooo........oooOO0OOooo........oooOO0OOooo........oooOO0OOooo......

#endif
```