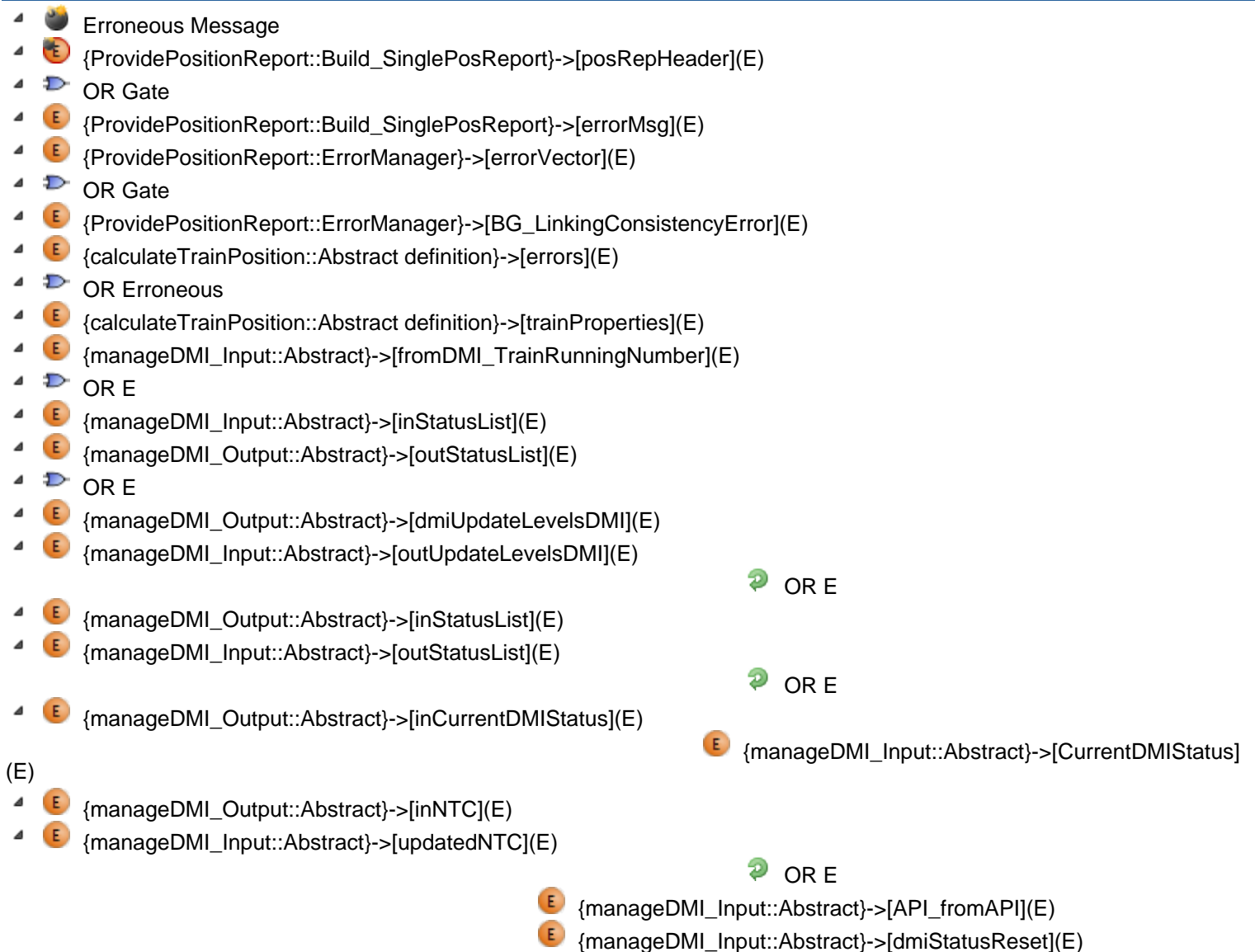


# Propagation tree report

## 1. Feared event

**Name :** Erroneous Message  
**Date :** Dec 9, 2015, 3:08 PM

## 2. Propagation tree





OR E  
 {manageDMI\_Input::Abstract}->[API\_fromAPI](E)  
 {manageDMI\_Input::Abstract}->[dmiStatusReset](E)  
 {manageDMI\_Input::Abstract}->[InSystemTime](E)  
 {calculateTrainPosition::Abstract definition}->[currentOdometry](E)  
 {calculateTrainPosition::Abstract definition}->[PassedBG](E)  
 {calculateTrainPosition::Abstract definition}->[msgFromTrack](E)  
 {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](E)  
 {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]  
 (E)  
 {ProvidePositionReport::ErrorManager}->[DoubleLinkingError](E)  
 {calculateTrainPosition::Abstract definition}->[errors](E)  
 OR Erroneous  
 {calculateTrainPosition::Abstract definition}->[trainProperties](E)  
 {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](E)  
 OR E  
 {manageDMI\_Input::Abstract}->[inStatusList](E)  
 {manageDMI\_Output::Abstract}->[outStatusList](E)  
 OR E  
 {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](E)  
 {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](E)  
 OR E  
 {manageDMI\_Output::Abstract}->[inStatusList](E)  
 {manageDMI\_Input::Abstract}->[outStatusList](E)  
 OR E  
 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](E)  
 {manageDMI\_Input::Abstract}->[CurrentDMIStatus]  
 (E)  
 {manageDMI\_Output::Abstract}->[inNTC](E)  
 {manageDMI\_Input::Abstract}->[updatedNTC](E)  
 OR E  
 {manageDMI\_Input::Abstract}->[API\_fromAPI](E)  
 {manageDMI\_Input::Abstract}->[dmiStatusReset](E)  
 {manageDMI\_Input::Abstract}->[InSystemTime](E)  
 {trainData::trainDataStorage}->[actualTrainData](E)  
 OR E  
 {trainData::trainDataStorage}->[actualStatus](E)  
 {trainData::trainDataStorage}->[eventsForTrainData](E)  
 {trainData::trainDataStorage}->[trainDatafromDriver](E)  
 {manageDMI\_Input::Abstract}->[fromDMI\_TrainData](E)  
 OR E  
 {manageDMI\_Input::Abstract}->[inStatusList](E)  
 {manageDMI\_Output::Abstract}->[outStatusList](E)

- OR E
    - {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](E)
    - {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](E)
  - OR E
  - {manageDMI\_Output::Abstract}->[inStatusList](E)
  - {manageDMI\_Input::Abstract}->[outStatusList](E)
  - OR E
  - {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](E)
- >[CurrentDMIStatus](E)
  - {manageDMI\_Output::Abstract}->[inNTC](E)
  - {manageDMI\_Input::Abstract}->[updatedNTC](E)
  - OR E
    - {manageDMI\_Input::Abstract}->[API\_fromAPI](E)
    - {manageDMI\_Input::Abstract}->[dmiStatusReset](E)
    - {manageDMI\_Input::Abstract}->[InSystemTime](E)
  - {trainData::trainDataStorage}->[trainDataAckfromDriver](E)
  - {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](E)
  - OR E
  - {manageDMI\_Input::Abstract}->[inStatusList](E)
  - {manageDMI\_Output::Abstract}->[outStatusList](E)
  - OR E
  - {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](E)
  - {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](E)
  - OR E
  - {manageDMI\_Output::Abstract}->[inStatusList](E)
  - {manageDMI\_Input::Abstract}->[outStatusList](E)
  - OR E
  - {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](E)
- >[CurrentDMIStatus](E)
  - {manageDMI\_Output::Abstract}->[inNTC](E)
  - {manageDMI\_Input::Abstract}->[updatedNTC](E)
  - OR E
    - {manageDMI\_Input::Abstract}->[API\_fromAPI](E)
    - {manageDMI\_Input::Abstract}->[dmiStatusReset](E)
    - {manageDMI\_Input::Abstract}->[InSystemTime](E)
  - {calculateTrainPosition::Abstract definition}->[currentOdometry](E)
  - {calculateTrainPosition::Abstract definition}->[PassedBG](E)
  - {calculateTrainPosition::Abstract definition}->[msgFromTrack](E)
  - {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](E)
  - {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]

(E)

- ✦ E {ProvidePositionReport::ErrorManager}->[DoubleRepositioningError](E)
- ✦ E {calculateTrainPosition::Abstract definition}->[errors](E)
- ✦ OR Erroneous
- ✦ E {calculateTrainPosition::Abstract definition}->[trainProperties](E)
- ✦ E {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](E)
- ✦ OR E
- ✦ E {manageDMI\_Input::Abstract}->[inStatusList](E)
- ✦ E {manageDMI\_Output::Abstract}->[outStatusList](E)
- ✦ OR E
- ✦ E {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](E)
- ✦ E {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](E)
- OR E
- ✦ E {manageDMI\_Output::Abstract}->[inStatusList](E)
- ✦ E {manageDMI\_Input::Abstract}->[outStatusList](E)
- OR E
- ✦ E {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](E)
- E {manageDMI\_Input::Abstract}->[CurrentDMIStatus]
- (E)
- ✦ E {manageDMI\_Output::Abstract}->[inNTC](E)
- ✦ E {manageDMI\_Input::Abstract}->[updatedNTC](E)
- OR E
- E {manageDMI\_Input::Abstract}->[API\_fromAPI](E)
- E {manageDMI\_Input::Abstract}->[dmiStatusReset](E)
- E {manageDMI\_Input::Abstract}->[InSystemTime](E)
- ✦ E {trainData::trainDataStorage}->[actualTrainData](E)
- ✦ OR E
- E {trainData::trainDataStorage}->[actualStatus](E)
- E {trainData::trainDataStorage}->[eventsForTrainData](E)
- ✦ E {trainData::trainDataStorage}->[trainDatafromDriver](E)
- ✦ E {manageDMI\_Input::Abstract}->[fromDMI\_TrainData](E)
- ✦ OR E
- ✦ E {manageDMI\_Input::Abstract}->[inStatusList](E)
- ✦ E {manageDMI\_Output::Abstract}->[outStatusList](E)
- ✦ OR E
- ✦ E {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](E)
- ✦ E {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](E)
- OR E
- ✦ E {manageDMI\_Output::Abstract}->[inStatusList](E)
- ✦ E {manageDMI\_Input::Abstract}->[outStatusList](E)
- OR E
- ✦ E {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](E)
- E {manageDMI\_Input::Abstract}->[CurrentDMIStatus](E)







































```

└─ E {manageDMI_Output::Abstract}->[inNTC](E)
└─ E {manageDMI_Input::Abstract}->[updatedNTC](E)
                                     OR E
                                     E {manageDMI_Input::Abstract}->[API_fromAPI](E)
                                     E {manageDMI_Input::Abstract}->[dmiStatusReset](E)
                                     E {manageDMI_Input::Abstract}->[InSystemTime](E)
└─ E {trainData::trainDataStorage}->[trainDataAckfromDriver](E)
└─ E {manageDMI_Input::Abstract}->[fromDMI_TrainDataAck](E)
└─ OR E
└─ E {manageDMI_Input::Abstract}->[inStatusList](E)
└─ E {manageDMI_Output::Abstract}->[outStatusList](E)
└─ OR E
└─ E {manageDMI_Output::Abstract}->[dmiUpdateLevelsDMI](E)
└─ E {manageDMI_Input::Abstract}->[outUpdateLevelsDMI](E)
                                     OR E
└─ E {manageDMI_Output::Abstract}->[inStatusList](E)
└─ E {manageDMI_Input::Abstract}->[outStatusList](E)
                                     OR E
└─ E {manageDMI_Output::Abstract}->[inCurrentDMIStatus](E)
                                     E {manageDMI_Input::Abstract}-
>[CurrentDMIStatus](E)
└─ E {manageDMI_Output::Abstract}->[inNTC](E)
└─ E {manageDMI_Input::Abstract}->[updatedNTC](E)
                                     OR E
                                     E {manageDMI_Input::Abstract}->[API_fromAPI](E)
                                     E {manageDMI_Input::Abstract}->[dmiStatusReset](E)
                                     E {manageDMI_Input::Abstract}->[InSystemTime](E)
                                     E {calculateTrainPosition::Abstract definition}->[currentOdometry](E)
                                     E {calculateTrainPosition::Abstract definition}->[PassedBG](E)
└─ E {calculateTrainPosition::Abstract definition}->[msgFromTrack](E)
└─ E {Manage_TrackSideInformation_Integration::InformationFilter}->[outMessage](E)
                                     E {Manage_TrackSideInformation_Integration::InformationFilter}->[Barrier]
(E)
    E {ProvidePositionReport::ErrorManager}->[LinkedBG_MessageConsistencyError](E)
    E {ProvidePositionReport::ErrorManager}->[RadioMessageConsistencyError](E)
    E {ProvidePositionReport::ErrorManager}->[RadioSafeRadioConnectionError](E)
    E {ProvidePositionReport::ErrorManager}->[RadioSequenceError](E)
    E {ProvidePositionReport::ErrorManager}->[SafetyCriticalFailure](E)
    E {ProvidePositionReport::ErrorManager}->[UnlinkedBG_MessageConsistencyError](E)
└─ U {ProvidePositionReport::ErrorManager}->[BG_LinkingConsistencyError](U)
└─ U {calculateTrainPosition::Abstract definition}->[errors](U)
└─ OR Intempestif
    U {calculateTrainPosition::Abstract definition}->[currentOdometry](U)

```

- U {calculateTrainPosition::Abstract definition}->[PassedBG](U)
  - U {calculateTrainPosition::Abstract definition}->[msgFromTrack](U)
  - U {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](U)
  - U {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]
- (U)
  - U {calculateTrainPosition::Abstract definition}->[trainProperties](U)
  - U {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](U)
  - OR U
  - U {manageDMI\_Input::Abstract}->[inStatusList](U)
  - U {manageDMI\_Output::Abstract}->[outStatusList](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
  - U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[inNTC](U)
  - U {manageDMI\_Input::Abstract}->[updatedNTC](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
  - U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[inStatusList](U)
  - U {manageDMI\_Input::Abstract}->[outStatusList](U)
  - OR U
  - U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
    - U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
    - U {manageDMI\_Input::Abstract}->[InSystemTime](U)
  - U {trainData::trainDataStorage}->[actualTrainData](U)
  - OR U
  - U {trainData::trainDataStorage}->[trainDatafromDriver](U)
  - U {manageDMI\_Input::Abstract}->[fromDMI\_TrainData](U)
  - OR U
  - U {manageDMI\_Input::Abstract}->[inStatusList](U)
  - U {manageDMI\_Output::Abstract}->[outStatusList](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
  - U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[inNTC](U)
  - U {manageDMI\_Input::Abstract}->[updatedNTC](U)
  - OR U
  - U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
  - U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
  - OR U



- ▲  {manageDMI\_Output::Abstract}->[inStatusList](U)
- ▲  {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
-  {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
-  {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
-  {manageDMI\_Input::Abstract}->[InSystemTime](U)
- ▲  {trainData::trainDataStorage}->[trainDataAckfromDriver](U)
- ▲  {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](U)
- ▲  OR U
- ▲  {manageDMI\_Input::Abstract}->[inStatusList](U)
- ▲  {manageDMI\_Output::Abstract}->[outStatusList](U)
- ▲  OR U
- ▲  {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
- ▲  {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
- OR U
- ▲  {manageDMI\_Output::Abstract}->[inNTC](U)
- ▲  {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- ▲  {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- ▲  {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- ▲  {manageDMI\_Output::Abstract}->[inStatusList](U)
- ▲  {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
-  {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
-  {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
-  {manageDMI\_Input::Abstract}->[InSystemTime](U)
-  {trainData::trainDataStorage}->[eventsForTrainData](U)
-  {trainData::trainDataStorage}->[actualStatus](U)
-  {trainData::trainDataStorage}->[trainDatafromTIU](U)
-  {ProvidePositionReport::ErrorManager}->[LinkedBG\_MessageConsistencyError](U)
-  {ProvidePositionReport::ErrorManager}->[UnlinkedBG\_MessageConsistencyError](U)
-  {ProvidePositionReport::ErrorManager}->[RadioMessageConsistencyError](U)
-  {ProvidePositionReport::ErrorManager}->[RadioSequenceError](U)
-  {ProvidePositionReport::ErrorManager}->[RadioSafeRadioConnectionError](U)
-  {ProvidePositionReport::ErrorManager}->[SafetyCriticalFailure](U)
- ▲  {ProvidePositionReport::ErrorManager}->[DoubleLinkingError](U)
- ▲  {calculateTrainPosition::Abstract definition}->[errors](U)
- ▲  OR Intempestif
-  {calculateTrainPosition::Abstract definition}->[currentOdometry](U)
-  {calculateTrainPosition::Abstract definition}->[PassedBG](U)
- ▲  {calculateTrainPosition::Abstract definition}->[msgFromTrack](U)
- ▲  {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](U)



U {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]


(U)

- U {calculateTrainPosition::Abstract definition}->[trainProperties](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
- U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
- U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
- U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
- U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
- U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[actualTrainData](U)
- OR U
- U {trainData::trainDataStorage}->[trainDatafromDriver](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainData](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
- U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
- U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
- U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U

- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
  - U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
  - U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[trainDataAckfromDriver](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
- U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
- U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
- U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
- U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
- U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[eventsForTrainData](U)
- U {trainData::trainDataStorage}->[actualStatus](U)
- U {trainData::trainDataStorage}->[trainDatafromTIU](U)
- U {ProvidePositionReport::ErrorManager}->[DoubleRepositioningError](U)
- U {calculateTrainPosition::Abstract definition}->[errors](U)
- OR Intempestif
- U {calculateTrainPosition::Abstract definition}->[currentOdometry](U)
- U {calculateTrainPosition::Abstract definition}->[PassedBG](U)
- U {calculateTrainPosition::Abstract definition}->[msgFromTrack](U)
- U {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](U)
- U {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]
- (U)
- U {calculateTrainPosition::Abstract definition}->[trainProperties](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)

- U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
  - OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
- U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
- U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
    - U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
    - U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[actualTrainData](U)
- OR U
- U {trainData::trainDataStorage}->[trainDatafromDriver](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainData](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
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- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
- U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
- U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
- U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
- U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
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    - U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[trainDataAckfromDriver](U)
- U {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](U)
- OR U
- U {manageDMI\_Input::Abstract}->[inStatusList](U)
- U {manageDMI\_Output::Abstract}->[outStatusList](U)
- OR U

- U {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](U)
    - U {manageDMI\_Input::Abstract}->[CurrentDMIStatus](U)
  - OR U
- U {manageDMI\_Output::Abstract}->[inNTC](U)
  - U {manageDMI\_Input::Abstract}->[updatedNTC](U)
- OR U
- U {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](U)
  - U {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](U)
- OR U
- U {manageDMI\_Output::Abstract}->[inStatusList](U)
  - U {manageDMI\_Input::Abstract}->[outStatusList](U)
- OR U
- U {manageDMI\_Input::Abstract}->[API\_fromAPI](U)
  - U {manageDMI\_Input::Abstract}->[dmiStatusReset](U)
  - U {manageDMI\_Input::Abstract}->[InSystemTime](U)
- U {trainData::trainDataStorage}->[eventsForTrainData](U)
  - U {trainData::trainDataStorage}->[actualStatus](U)
  - U {trainData::trainDataStorage}->[trainDatafromTIU](U)
- A {ProvidePositionReport::ErrorManager}->[BG\_LinkingConsistencyError](A)
  - A {calculateTrainPosition::Abstract definition}->[errors](A)
  - OR Abscent
- A {calculateTrainPosition::Abstract definition}->[currentOdometry](A)
- A {calculateTrainPosition::Abstract definition}->[msgFromTrack](A)
  - A {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](A)
  - A {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]
- (A)
- A {calculateTrainPosition::Abstract definition}->[trainProperties](A)
  - A {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](A)
  - OR A
- A {manageDMI\_Input::Abstract}->[InSystemTime](A)
- A {manageDMI\_Input::Abstract}->[inStatusList](A)
  - A {manageDMI\_Output::Abstract}->[outStatusList](A)
  - OR A
- A {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)
  - A {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](A)
- OR A
- A {manageDMI\_Output::Abstract}->[inStatusList](A)
  - A {manageDMI\_Input::Abstract}->[outStatusList](A)
- OR A
- A {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)
  - A {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)
- OR A
- A {manageDMI\_Output::Abstract}->[inNTC](A)

-  {manageDMI\_Input::Abstract}->[updatedNTC](A)

 OR A

**A** {manageDMI\_Input::Abstract}->[API\_fromAPI](A)

**A** {manageDMI\_Input::Abstract}->[dmiStatusReset](A)

```
{trainData::trainDataStorage}->[actualTrainData](A)
```

OR A

 {trainData::trainDataStorage}->[actualStatus](A)

```
{trainData::trainDataStorage}->[eventsForTrainData](A)
```

**A** {trainData::trainDataStorage}->[trainDatafromTIU](A)

```
{trainData::trainDataStorage}->[trainDatafromDriver](A)
```

```
{manageDMI_Input::Abstract}->[fromDMI_TrainData](A
```

OR A

 {manageDMI\_Input::Abstract}->[InSystemTime](A)

 {manageDMI\_Input::Abstract}->[inStatusList](A)


```
{manageDMI_Output::Abstract}->[outStatusList](A
```

OR A

 {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)

```
{manageDMI_Input::Abstract}->[outUpdateLevelsDMI](A)
```

 OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)

```
{manageDMI_Input::Abstract}->[outStatusList](A)
```

OR A

 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)

```
{manageDMI_Input::Abstract}->[CurrentDMIStatus](A
```

OR A

 {manageDMI\_Output::Abstract}->[inNTC](A)


 {manageDMI\_Input::Abstract}->[updatedNTC](A)

OR A

 {manageDMI\_Input::Abstract}->[API\_fromAPI](A)

 {manageDMI\_Input::Abstract}->[dmiStatusReset](A)

```
{trainData::trainDataStorage}->[trainDataAckfromDriver](A)
```

4  {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](A)

OR A

 {manageDMI\_Input::Abstract}->[InSystemTime](A)

 {manageDMI\_Input::Abstract}->[inStatusList](A)

```
{manageDMI_Output::Abstract}->[outStatusList](A
```

OR A

```
{manageDMI_Output::Abstract}->[dmiUpdateLevelsDMI](A)
```

















```
{manageDMI_Input::Abstract}->[outUpdateLevelsDMI](A)
```

OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)

```
{manageDMI_Input::Abstract}->[outStatusList](A)
```

 OR A

- ▲  {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)
- ▲  {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)
- OR A
- ▲  {manageDMI\_Output::Abstract}->[inNTC](A)
- ▲  {manageDMI\_Input::Abstract}->[updatedNTC](A)
- OR A
-  {manageDMI\_Input::Abstract}->[API\_fromAPI](A)
-  {manageDMI\_Input::Abstract}->[dmiStatusReset](A)
-  {ProvidePositionReport::ErrorManager}->[LinkedBG\_MessageConsistencyError](A)
-  {ProvidePositionReport::ErrorManager}->[UnlinkedBG\_MessageConsistencyError](A)
-  {ProvidePositionReport::ErrorManager}->[RadioMessageConsistencyError](A)
-  {ProvidePositionReport::ErrorManager}->[RadioSequenceError](A)
-  {ProvidePositionReport::ErrorManager}->[RadioSafeRadioConnectionError](A)
-  {ProvidePositionReport::ErrorManager}->[SafetyCriticalFailure](A)
- ▲  {ProvidePositionReport::ErrorManager}->[DoubleLinkingError](A)
- ▲  {calculateTrainPosition::Abstract definition}->[errors](A)
- ▲  OR Abscent
-  {calculateTrainPosition::Abstract definition}->[currentOdometry](A)
- ▲  {calculateTrainPosition::Abstract definition}->[msgFromTrack](A)
- ▲  {Manage\_TrackSideInformation\_Integration::InformationFilter}->[outMessage](A)
-  {Manage\_TrackSideInformation\_Integration::InformationFilter}->[Barrier]
- (A)
- ▲  {calculateTrainPosition::Abstract definition}->[trainProperties](A)
- ▲  {manageDMI\_Input::Abstract}->[fromDMI\_TrainRunningNumber](A)
- ▲  OR A
-  {manageDMI\_Input::Abstract}->[InSystemTime](A)
- ▲  {manageDMI\_Input::Abstract}->[inStatusList](A)
- ▲  {manageDMI\_Output::Abstract}->[outStatusList](A)
- ▲  OR A
- ▲  {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)
- ▲  {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](A)
- OR A
- ▲  {manageDMI\_Output::Abstract}->[inStatusList](A)
- ▲  {manageDMI\_Input::Abstract}->[outStatusList](A)
- OR A
- ▲  {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)
- ▲  {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)
- OR A
- ▲  {manageDMI\_Output::Abstract}->[inNTC](A)
- ▲  {manageDMI\_Input::Abstract}->[updatedNTC](A)
- OR A
-  {manageDMI\_Input::Abstract}->[API\_fromAPI](A)
-  {manageDMI\_Input::Abstract}->[dmiStatusReset](A)

```

└─ {trainData::trainDataStorage}->[actualTrainData](A)

```

OR A

 {trainData::trainDataStorage}->[actualStatus](A)

```
{trainData::trainDataStorage}->[eventsForTrainData](A)
```

**A** {trainData::trainDataStorage}->[trainDatafromTIU](A)

```
{trainData::trainDataStorage}->[trainDatafromDriver](A)
```

```
{manageDMI_Input::Abstract}->[fromDMI_TrainData](A)
```

OR A


 {manageDMI\_Input::Abstract}->[InSystemTime](A)

 {manageDMI\_Input::Abstract}->[inStatusList](A)


 {manageDMI\_Output::Abstract}->[outStatusList](A)

OR A

```
{manageDMI_Output::Abstract}->[dmiUpdateLevelsDMI](A)
```

4  {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](A)

OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)

```

A {manageDMI_Input::Abstract}->[outStatusList](A

```


OR A

 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)

```
{manageDMI Input::Abstract}->[CurrentDMIStatus](A
```

OR A

 {manageDMI\_Output::Abstract}->[inNTC](A)


 {manageDMI\_Input::Abstract}->[updatedNTC](A)

OR A

 {manageDMI\_Input::Abstract}->[API\_fromAPI](A)

 {manageDMI\_Input::Abstract}->[dmiStatusReset](A)

```
{trainData::trainDataStorage}->[trainDataAckfromDriver](A)
```

4  {manageDMI\_Input::Abstract}->[fromDMI\_TrainDataAck](A)

OR A


 {manageDMI\_Input::Abstract}->[InSystemTime](A)

 {manageDMI\_Input::Abstract}->[inStatusList](A)

```
{manageDMI_Output::Abstract}->[outStatusList](A
```

OR A

▲  {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)

 {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](A)


 OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)

```
{manageDMI_Input::Abstract}->[outStatusList](A)
```

 OR A

 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)

 {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)

OR A

 {manageDMI\_Output::Abstract}->[inNTC](A)







● {manageDMI\_Output::Abstract}->[outStatusList](A)


OR A

 {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)


```
{manageDMI_Input::Abstract}->[outUpdateLevelsDMI](A)
```


 OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)


 {manageDMI\_Input::Abstract}->[outStatusList](A)

 OR A

 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)


 {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)


 OR A

 {manageDMI\_Output::Abstract}->[inNTC](A)

4  {manageDMI\_Input::Abstract}->[updatedNTC](A)

 OR A

 {manageDMI\_Input::Abstract}->[API\_fromAPI](A)

 {manageDMI\_Input::Abstract}->[dmiStatusReset](A)


```
{trainData::trainDataStorage}->[trainDataAckfromDriver](A)
```

```
{manageDMI_Input::Abstract}->[fromDMI_TrainDataAck](A
```


OR A


 {manageDMI\_Input::Abstract}->[InSystemTime](A)

 {manageDMI\_Input::Abstract}->[inStatusList](A)


 {manageDMI\_Output::Abstract}->[outStatusList](A)

OR A

 {manageDMI\_Output::Abstract}->[dmiUpdateLevelsDMI](A)

 {manageDMI\_Input::Abstract}->[outUpdateLevelsDMI](A)

 OR A

 {manageDMI\_Output::Abstract}->[inStatusList](A)

```
{manageDMI_Input::Abstract}->[outStatusList](A)
```

 OR A

 {manageDMI\_Output::Abstract}->[inCurrentDMIStatus](A)

 {manageDMI\_Input::Abstract}->[CurrentDMIStatus](A)

OR A

▲ A {manageDMI\_Output::Abstract}->[inNTC](A)

 {manageDMI\_Input::Abstract}->[updatedNTC](A)

OR A

**A** {manageDMI\_Input::Abstract}->[API\_fromAPI](A)

 {manageDMI\_Input::Abstract}->[dmiStatusReset](A)

```
{ProvidePositionReport::Build_SinglePosReport}->[trainProps](E
```