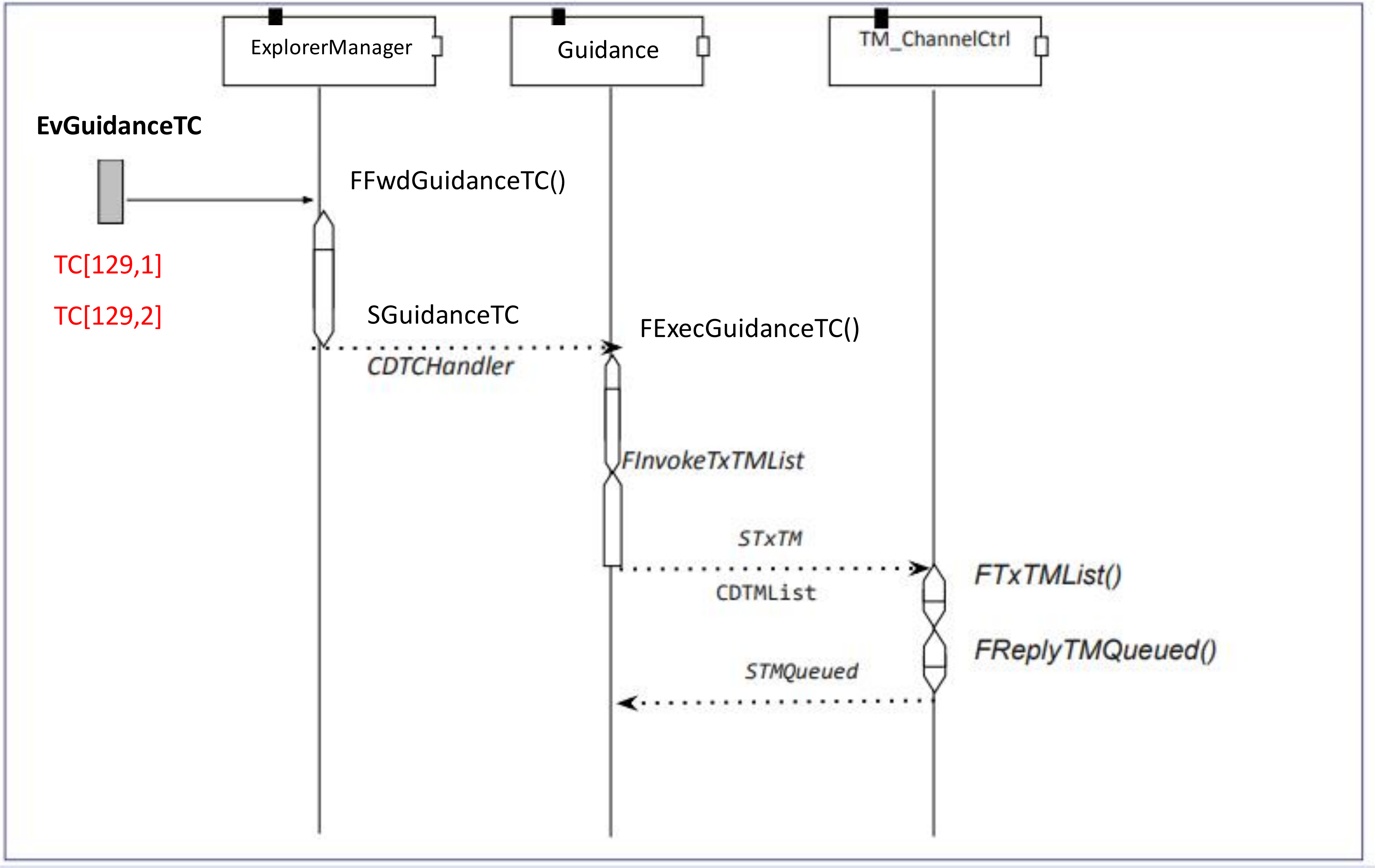
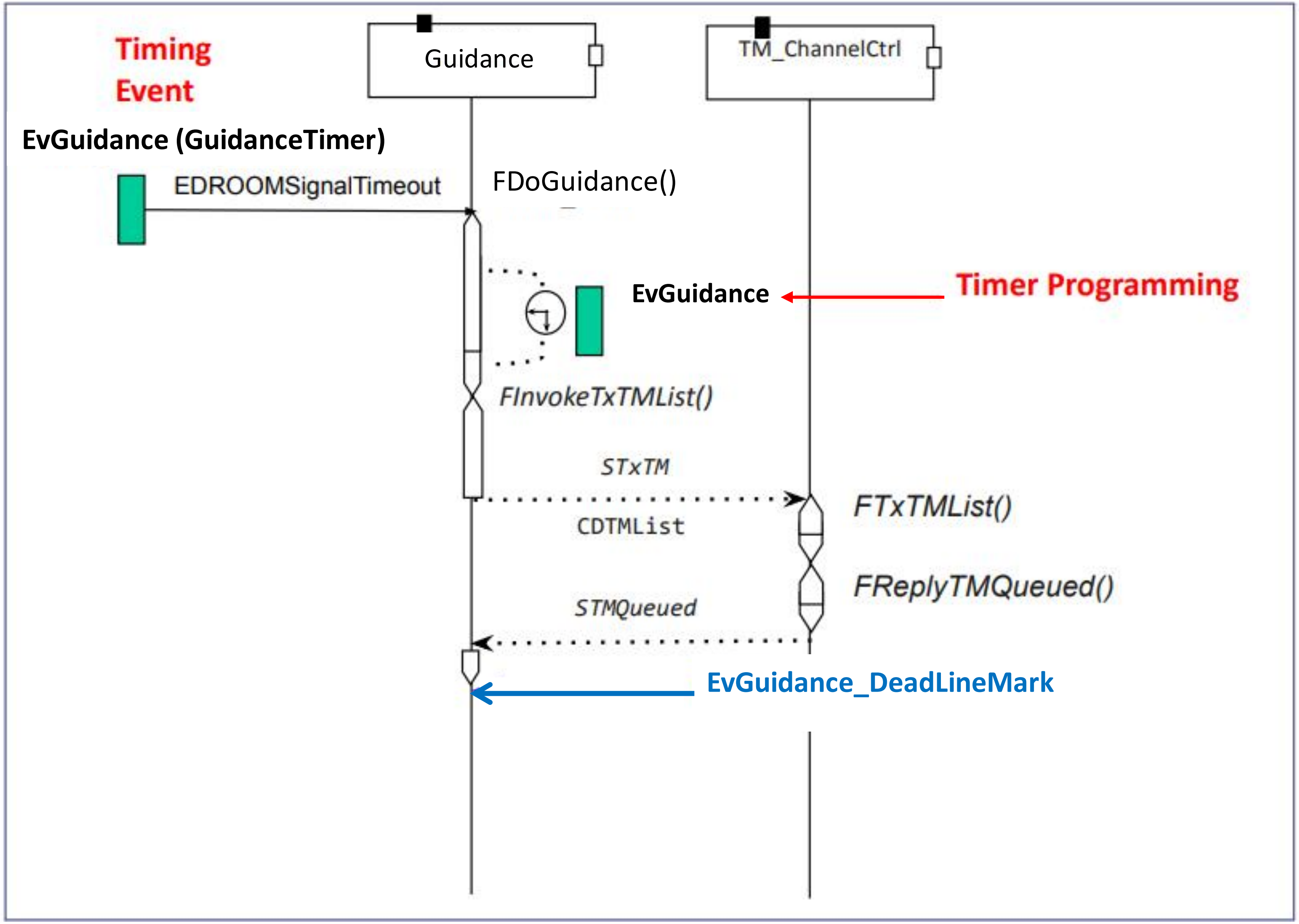
EvGuidanceTC



EvGuidance

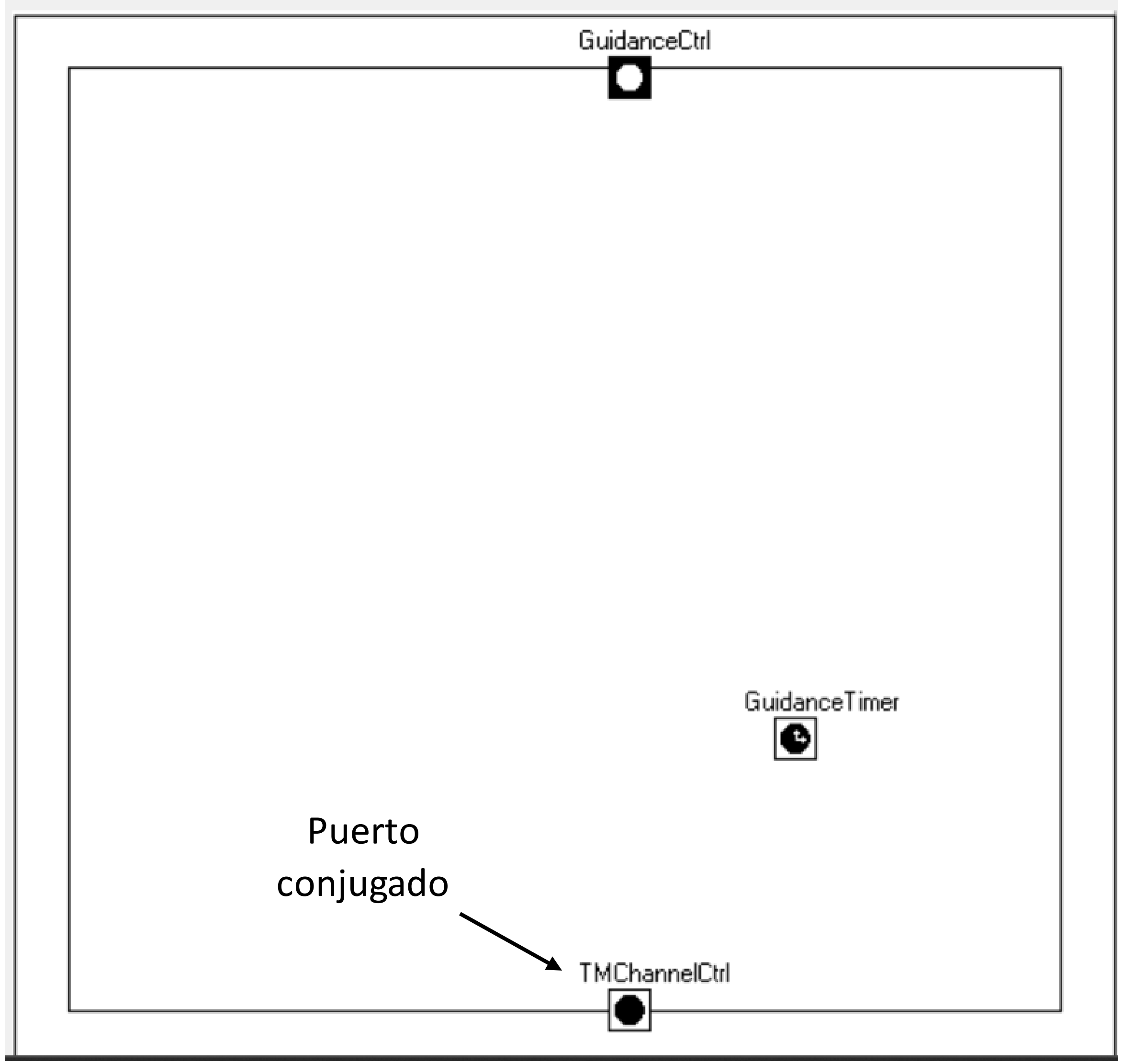

Timing
Event
Guidance
TM_ChannelCtrl
EvGuidance (GuidanceTimer)
EDROOMSignalTimeout
FDoGuidance()
EvGuidance
Timer Programming
FInvokeTxTMList()
STxTM
CDTMList
FTxTMList()
FReplyTMQueued()
STMQueued
EvGuidance_DeadLineMark

Protocol class

CPGuidanceCtrl

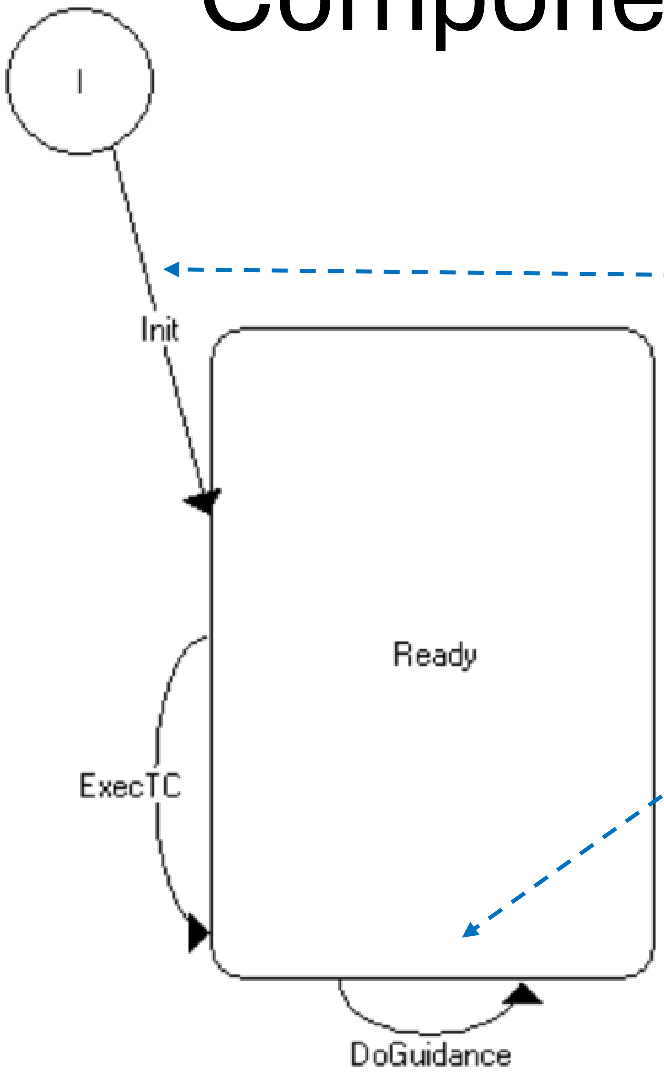
	In/Out	Signal	Data
Msg ✉	In	SGuidanceTC	*CDTCHandler*

CCGuidance



Puerto conjugado

Component Behaviour (CCGuidance)



Action Inform At: FInitGuidance();

Action Inform At: FDoGuidance();

Invoke: FInvokeTxTMList();

Trigger:

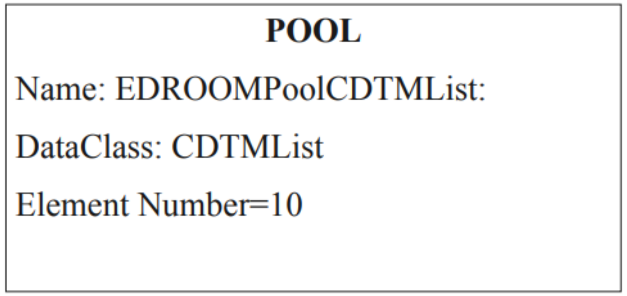
P: GuidanceTimer

S: EDROOMSignalTimeout

G: true

Vars:

Pr_Time VNextTimeout;
CDTMList VCurrentTMList;



POOL

Name: EDROOMPoolCDTMList:

DataClass: CDTMList

Element Number=10

CCGuidance

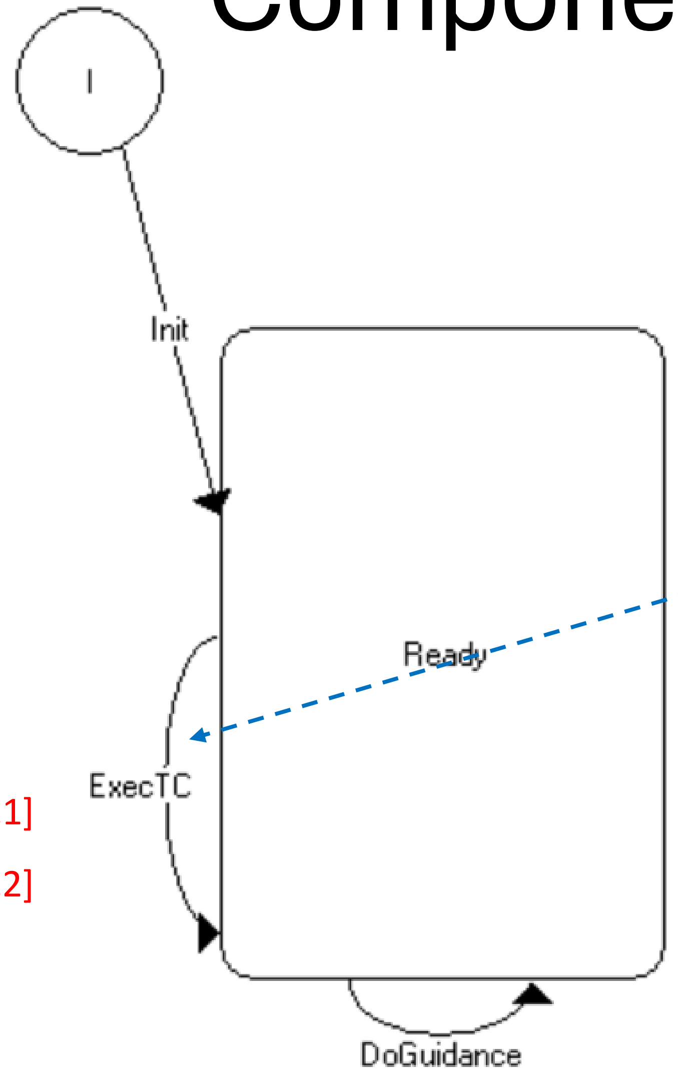
```
void FInitGuidance(){
Pr_Time time;
time.GetTime(); // Get current monotonic time
time+=Pr_Time(0,100); //
VNextTimeout=time;
PUSService129::Init(); //Init PUSService 129
GuidanceTimer.InformAt(time);
}
```

```
void FDoGuidance(){
Pr_Time time;
VNextTimeout+= Pr_Time(0,100); // cada 100 ms, inform at para evitar problema de la deriva
time=VNextTimeout;
PUSService129:GuidanceControl;
GuidanceTimer.InformAt(time);
}
```

CCGuidance

```
void FInvokeTxTMList(){
CDTMList * pSTxTM_Data = EDROOMPoolCDTMList.AllocData();
*pSTxTM_Data=VCurrentTMList;
VCurrentTMList.Clear();
MsgBack=TMChannelCtrl.invoke(STxTM,pSTxTM_Data, &EDROOMPoolCDTMList);
}
```

Component Behaviour (CCGuidance)



TC[129,1]

TC[129,2]

Msg-> Data H: FExecGuidanceTC();

Invoke: FInvokeTxTMList();

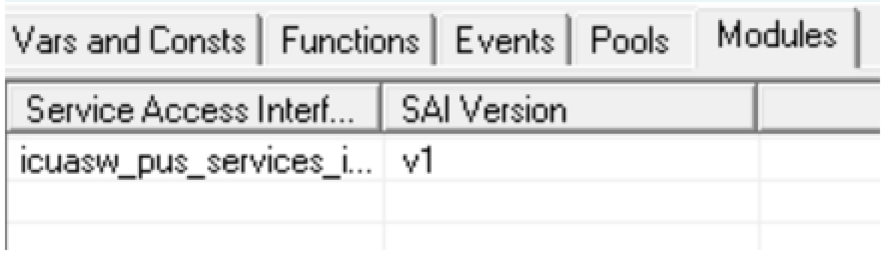
Trigger:

P: GuidanceCtrl

S: SGuidanceTC

G: true

Module:

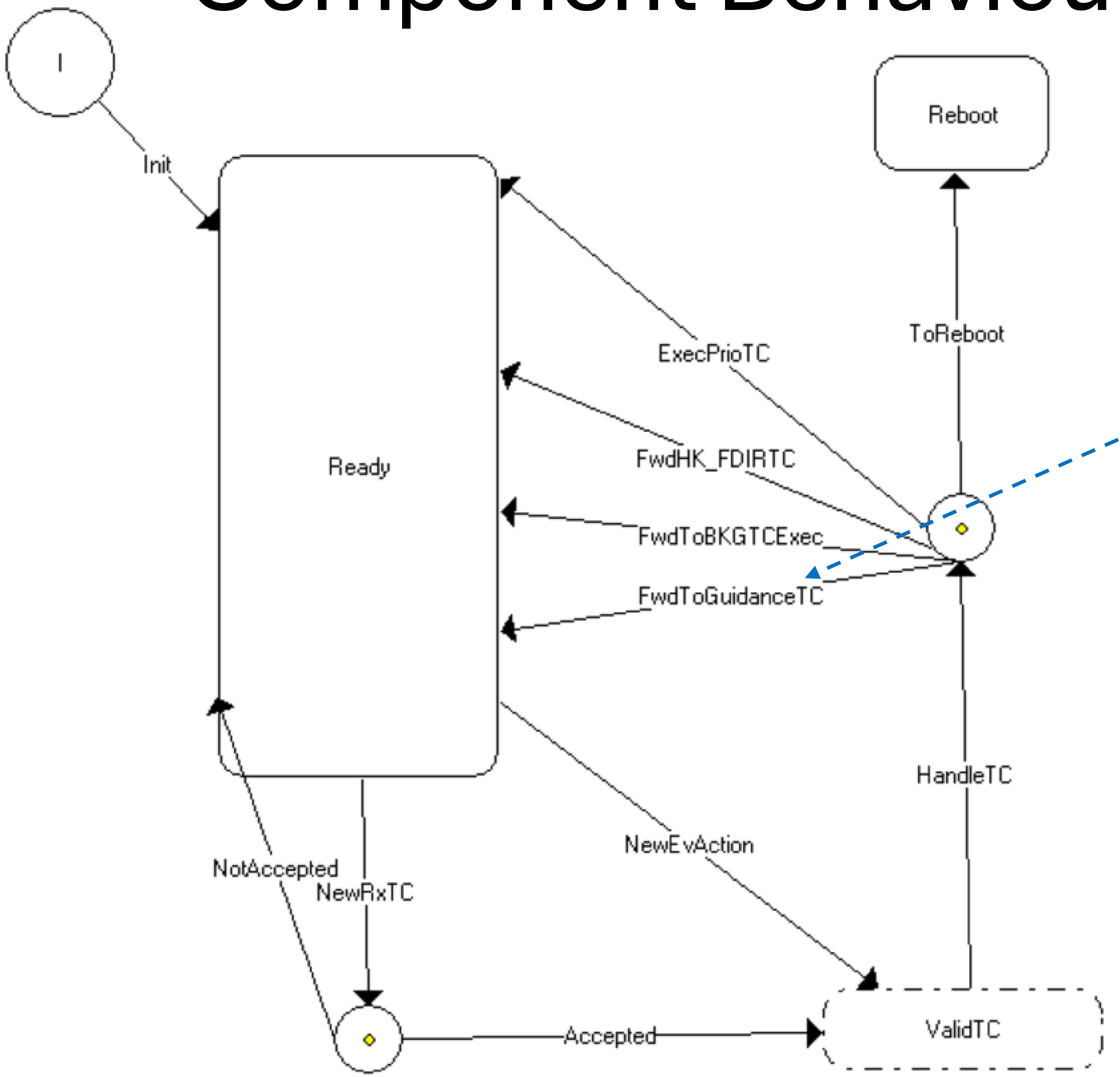


Service Access Interf...	SAI Version
icuasw_pus_services_i...	v1

CCGuidance

```
void FExecGuidanceTC {
CDTCHandler & varSGuidanceTC = *(CDTCHandler *) Msg->data;
CDEventList TCExecEventList;
PUS_GuidanceTCExecutor::ExecTC(varSGuidanceTC,VCurrentTMList,TCExecEventList);
}
```

Component Behaviour (CCExplorerManager)



Guard : GFwdToGuidanceTC();

Send: FFwdGuidanceTC();

CCExplorerManager

```
void GFwdToGuidanceTC(){
 return VCurrentTC.IsGuidanceTC();
}
```

```
void FFwdGuidanceTC(){
CDTCHandler * pSGuidanceTC_Data = EDROOMPoolCDTCHandler.AllocData();
*pSGuidanceTC_Data=VCurrentTC;
GuidanceCtrl.send(SGuidanceTC, pSGuidanceTC_Data, &EDROOMPoolCDTCHandler);
}
```