Message Scheduling Module

External Interface

Set_My_Kmax_And_Phase_Time(myKmax, pTime)

Add_Peer(PeerID)
Delete_Peer(PeerID)

Invariant_Check(PeerID) // returns bool
Invariant_WU_True(PeerID)

Event_Msg_Received(PeerID, MsgID)
Event_Msg_Ack_Received(PeerID, MsgID)
Event_Msg_Sent(PeerID, MsgID)
Event_Msg_Lost(PeerID, MsgID)

MsgSchedModule

Singleton class   Singleton class

MS_Agent   MS_Tick

Peer 1   Peer 2   →   Peer n

Deadlines   Deadlines   Deadlines