

## **GR\_EPHYL**: States of an active frame

This is a diagram made to describe the behavior of most blocks involved in a transmission for the modified version of the gr\_ephyl framework. In this version, in addition to transmit in a synchronized and slotted system, you can also transmit on a control and error free channel and choose to transmit on the channel a defined symbol, based on the result of the previous frame.

#### Instructions:

**Send** [Bool] - Decision to transmit or not for the coming frame

**Symbol** [Char] - Character to transmit on the channel in each slot for the coming frame (modification needed to transmit a different symbol on each slot)

**UL/DL CCH** [Str] - Message to pass in the error free control channel for the coming frame

## Sensor feedback :

frame: frame number [int]
node: ID of the node [char]
DL CCH: Content of the received DL CCH message [str]

### **Sensor instruction:**

frame: frame number [int]
node: ID of the node [char]
UL CCH: Content of the UL CCH message to send [str]
Send: Send or not a message on channel [bool]
Sequence: Symbol to send on each slot if active frame [char]

# **Base station feedback:**

