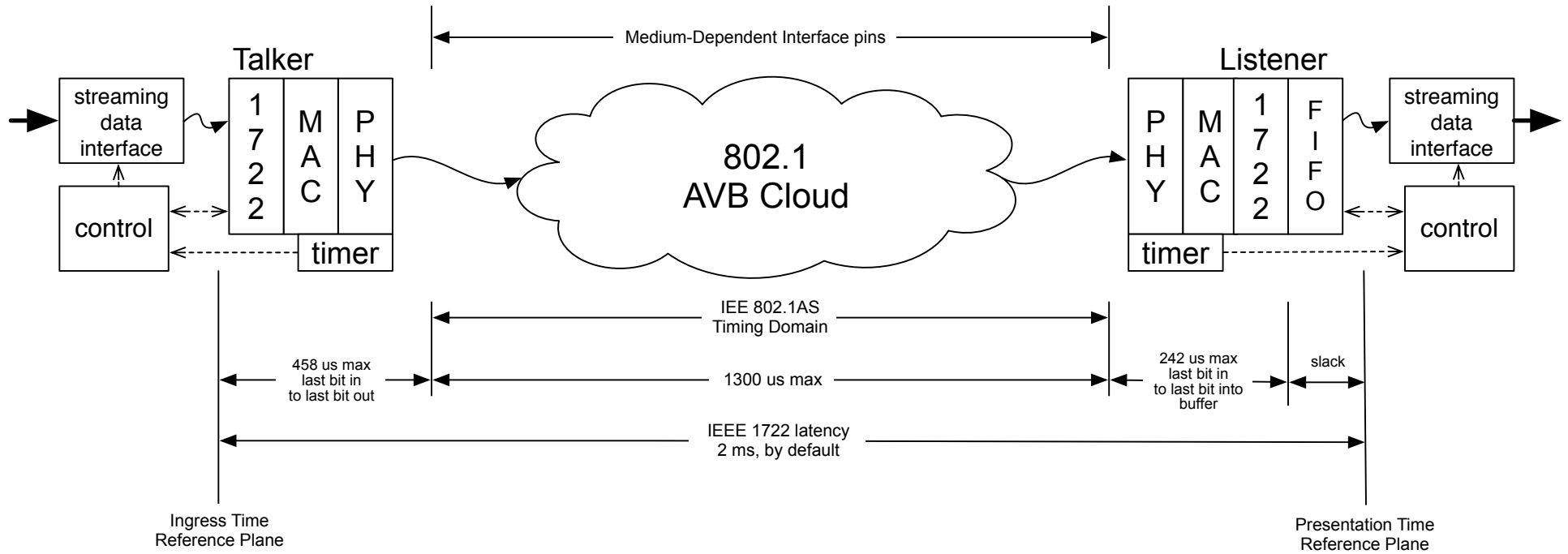


AVB Class A Worst Case Assumptions

Fast Ethernet (100 Mb/sec) w/out MACSec or other Headers



AVB Cloud:

$(\text{Max Frame} + \text{IPG} + \text{PRE}) * 75\% =$

$(1522 + 12 + 8) * 75\% = 1156$ Max Class A AVB frame(s) including their IPG & PRE

$6 [\text{bridges} = 7 \text{ hops}] * (1156 + 1542 [1522 \text{ frame} + \text{IPG} + \text{PRE}]) = 16,188$ octets @ FE = * 80ns/octet = 1.295 mSec

Talker's Tx Queue:

$1 * (1156 + 1542) = 2698$ octets @ FE = * 80ns/octet = 216 uSec

1722 Process Time:

2.0 mSec [budget] – 1.3 mSec [AVB Cloud allocation] = 0.7 mSec [initial remaining]

700 uSec [initial remaining] – 216 uSec [Talker's Tx Queue] = 484 uSec [final remaining]

484 uSec [final remaining] divide by 2 = 242 uSec for Listener and Talker's 1722 Process Times

Talker's time includes its Tx Queue time