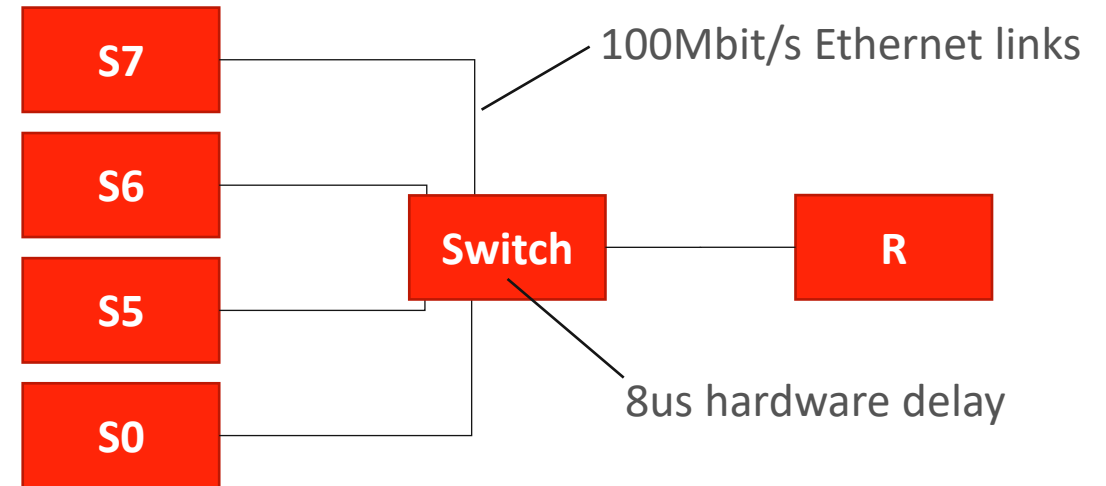


Network Definition

CoRE4INET: examples/tsn/medium_network

- Oscillator
 - max_drift 200ppm
 - drift_change **uniform**(-12.5ppm,12.5ppm)
- DummySync
 - cycle 3ms
 - precision 500ns
- Queue
 - size = 4



Name	Sender	Receiver	Size (B)	Offset	Interval (us)	Priority	Shaping
CRITICAL	S7	R	L2: 1522	0s	300	7	-
HIGH	S6	R	L2: 322	0s	125	6	CBS SRCLASS A
MEDIUM	S5	R	L2: 322	1ns	250	5	CBS SRCLASS B
BEST EFFORT	S0	R	L2: 1518	0s	125	-	-

Best/Worst Case CRITICAL(7)

- 8us
 - hardware delay
- 244.8us
 - 2x transmission (L1: 1530Byte)
- => **252.8us**

- 122.08us
 - BE Interference (L1: 1526Byte)
- 0.96us
 - IFG
- 8us
 - Hardware delay
- 244.8us
 - 2x transmission (L1: 1530Byte)
- => **375.84us**

Simulation Results (4s)

CRITICAL(7)

4s Simulation:

Count	13333
Mean	2.985244671116778E-4
StdDev	3.6633493918176364E-5
Min	2.5296E-4
Max	3.7584E-4

=> 252.96us ≈ 252.8us

=> 375.84us = 375.84us

Best/Worst Case HIGH(6)

- 8us
 - hardware delay
- 52.8us
 - 2x transmission (L1: 330Byte)
- => **60.8us**

- 244.48us
 - BE Interference (L1: 1526Byte)
 - CRITICAL Int. (L1: 1530Byte)
- 1.92us
 - 2x IFG
- 8us
 - Hardware delay
- 52.8us
 - 2x transmission (L1: 330Byte)
- => **307.2us**

Simulation Results (4s)

HIGH(6)

4s Simulation:

Count 32000

Mean 1.61194955E-4

StdDev 7.362117934390194E-5

Min 6.08E-5

=> 60.8us = 60.8us

Max 3.072E-4

=> 307.2us = 307.2us

Best/Worst Case MEDIUM(5)

- 26.4us
 - HIGH Interference (L1: 330Byte)
- 0.96us
 - IFG
- 8us
 - hardware delay
- 52.8us
 - 2x transmission (L1: 330Byte)
- => **88.16us**

- 472.48us
 - BE Interference (L1: 1526Byte)
 - 2x CRITICAL Int. (L1: 1530Byte)
 - 4x HIGH Int. (L1: 330Byte)
- 6.72us
 - 7x IFG
- 8us
 - Hardware delay
- 52.8us
 - 2x transmission (L1: 330Byte)
- => **540us**

Simulation Results (4s)

MEDIUM(5)

4s Simulation:

Count	15999		
Mean	2.471058491780736E-4		
StdDev	1.0653374659967007E-4		
Min	8.8159E-5	+1ns Offset => 88.16us	= 88.16us
Max	5.35999E-4	+1ns Offset => 536us	!! 540us

Simulation Results

Worst Case MEDIUM(5)

