

# Capabilities for the LE Audio Controller Subsystem for nRF5340

## CIG BAP Set Testing

Reference: Bluetooth Basic Audio Profile v1.0.1, Table 5.2: QoS configuration support setting requirements for the Unicast Client and Unicast Server.

Note 1: Several 2 CIG configurations are not achievable due to a radio scheduler limitation. This limitation will be corrected in a future release. Due to this radio scheduler limitation, it is recommended to use a 100-ms ACL Interval.

Note 2: Using mixed configurations has limited testing.

Maximum number CIS when using 1M PHY. Role is either Central or Peripheral.

Set Name	Max CIS for 1 CIG	Max CIS for 2 CIG
8_1_1	1	N/A
8_2_1	4	1
16_1_1	1	N/A
16_2_1	4	1
24_1_1	1	N/A
24_2_1	4	1
32_1_1	1	N/A
32_2_1	4	1
48_1_1	1	N/A
48_2_1	3	1
48_3_1	1	N/A
48_4_1	3	1
48_5_1	1	N/A
48_6_1	2	1

Maximum number CIS when using 2M PHY. Role is either Central or Peripheral.

Set Name	Max CIS for 1 CIG	Max CIS for 2 CIG
8_1_1	1	N/A
8_2_1	4	1
16_1_1	1	N/A
16_2_1	2	1
24_1_1	1	N/A
24_2_1	4	1
32_1_1	1	N/A
32_2_1	2	1
48_1_1	1	N/A
48_2_1	4	1

Set Name	Max CIS for 1 CIG	Max CIS for 2 CIG
48_3_1	1	N/A
48_4_1	2	1
48_5_1	1	N/A
48_6_1	4	1

### BIG BAP Set Testing

Reference: Bluetooth Basic Audio Profile v1.0.1, Table 6.4: Broadcast Audio Stream configuration support requirements for the Broadcast Source and Broadcast Sink.

Note 1: Use a Periodic Interval that is any multiple of the ISO Interval.

Note 2: Using mixed configurations has limited testing.

Maximum number BIS using 1M PHY. Role is either Broadcaster or Receiver.

Set Name	Max BIS for 1 BIG	Max BIS for 2 BIG
8_1_1	4	1
8_2_1	4	2
16_1_1	4	1
16_2_1	4	2
24_1_1	3	N/A
24_2_1	4	1
32_1_1	2	N/A
32_2_1	3	1
48_1_1	1	N/A
48_2_1	1	N/A
48_3_1	1	1
48_4_1	1	N/A
48_5_1	1	N/A
48_6_1	1	N/A

Maximum number BIS using 2M PHY. Role is either Broadcaster or Receiver.

Set Name	Max BIS for 1 BIG	Max BIS for 2 BIG
8_1_1	4	1
8_2_1	4	2
16_1_1	4	1
16_2_1	4	2
24_1_1	4	1
24_2_1	4	2
32_1_1	4	1

Set Name	Max BIS for 1 BIG	Max BIS for 2 BIG
32_2_1	4	2
48_1_1	2	N/A
48_2_1	2	1
48_3_1	2	1
48_4_1	2	1
48_5_1	1	N/A
48_6_1	2	1