

CLAIMS

What is claimed is:

- 1 1. A method for wireless communication at a wireless device,
2 comprising:
3 determining that an active transmit beam has changed from a first transmit
4 beam to a second transmit beam, the second transmit beam being different from the first
5 transmit beam;
6 identifying a reference signal identifier that is associated with the second
7 transmit beam; and
8 updating, based at least in part on the identifying, a channel state information
9 (CSI) resource setting to include the reference signal identifier, wherein the CSI resource
10 setting is associated with the active transmit beam.
- 1 2. The method of claim 1, further comprising:
2 receiving a transmission configuration index that provides an indication of the
3 reference signal identifier; and
4 determining that the active transmit beam has changed to the second transmit
5 beam based at least in part on the indication of the reference signal identifier being indicated
6 in the transmission configuration index.
- 1 3. The method of claim 2, further comprising:
2 identifying the reference signal identifier from the transmission configuration
3 index.
- 1 4. The method of claim 1, further comprising:
2 configuring, based at least in part on determining that the active transmit beam
3 has changed to the second transmit beam, a transmission configuration index that provides an
4 indication of the reference signal identifier; and
5 transmitting the transmission configuration index.
- 1 5. The method of claim 1, wherein determining that the active transmit
2 beam has changed comprises:
3 receiving a random access channel (RACH) signal on the second transmit
4 beam.

1 6. The method of claim 5, wherein identifying the reference signal
2 identifier that is associated with the second transmit beam comprises:
3 identifying a reference signal associated with the RACH signal.

1 7. The method of claim 1, further comprising:
2 identifying a beam failure indication, wherein identifying the reference signal
3 identifier associated with the second transmit beam is based at least in part on a beam failure
4 recovery transmit beam.

1 8. The method of claim 1, wherein the reference signal identifier that is
2 associated with the second transmit beam comprises an identifier of a reference signal that is
3 used for beam failure detection of the active transmit beam.

1 9. The method of claim 1, further comprising:
2 performing a channel measurement procedure on one or more reference
3 signals that are identified in a resource set; and
4 transmitting a feedback message comprising information associated with a
5 result of the channel measurement procedure.

1 10. The method of claim 9, further comprising:
2 receiving a trigger signal that indicates a measurement link, the measurement
3 link comprising information associating the channel measurement procedure with the
4 resource set, wherein the channel measurement procedure is initiated in response to, and
5 based at least in part on the trigger signal.

1 11. The method of claim 1, further comprising:
2 identifying a configured set of available reference signal, wherein identifying
3 the reference signal identifier associated with the second transmit beam is based at least in
4 part on the configured set of available reference signals.

1 12. The method of claim 11, further comprising:
2 determining that the reference signal identifier is not included in the
3 configured set of available reference signals; and
4 identifying the reference signal identifier from a transmission configuration
5 index.

1 13. The method of claim 1, wherein the active transmit beam is associated
2 with a control channel, or a data channel, or both the control channel and the data channel.

1 14. The method of claim 1, wherein the active transmit beam is associated
2 with a subset of configured control resources.

1 15. The method of claim 1, further comprising:
2 receiving a configuration signal indicating a first control resource for a first
3 symbol and a second control resource for a second symbol, wherein the configuration signal
4 identifies either the first control resource or the second control resource as being available for
5 channel measurement; and
6 updating, based at least in part on the configuration signal, the CSI resource
7 setting to include either the identified first control resource or the identified second control
8 resource.

1 16. The method of claim 1, wherein:
2 updating the CSI resource setting comprises updating a resource set to include
3 the reference signal identifier.

1 17. The method of claim 16, wherein the resource set comprises one or
2 more reference signal identifiers, wherein each reference signal identifier is associated with a
3 corresponding active transmit beam.

1 18. The method of claim 1, wherein the reference signal identifier
2 comprises an identifier associated with at least one of: a synchronization signal block (SSB)
3 reference signal, or a physical broadcast channel (PBCH) block reference signal, or a CSI
4 reference signal, or a sounding reference signal (SRS), or a beam reference signal (BRS), or a
5 beam refinement reference signal (BRRS), or a tracking reference signal (TRS), or a
6 combination thereof.

1 19. The method of claim 1, wherein updating the CSI resource setting
2 comprises:
3 excluding, based at least in part on the active transmit beam change, the
4 reference signal identifier associated with the first transmit beam from the CSI resource
5 setting.

1 20. An apparatus for wireless communications, comprising:
2 means for determining that an active transmit beam has changed from a first
3 transmit beam to a second transmit beam, the second transmit beam being different from the
4 first transmit beam;
5 means for identifying a reference signal identifier that is associated with the
6 second transmit beam; and
7 means for updating, based at least in part on the identifying, a channel state
8 information (CSI) resource setting to include the reference signal identifier, wherein the CSI
9 resource setting is associated with the active transmit beam.

1 21. The apparatus of claim 20, further comprising:
2 means for receiving a transmission configuration index that provides an
3 indication of the reference signal identifier; and
4 means for determining that the active transmit beam has changed to the second
5 transmit beam based at least in part on the indication of the reference signal identifier being
6 indicated in the transmission configuration index.

1 22. The apparatus of claim 21, further comprising:
2 means for identifying the reference signal identifier from the transmission
3 configuration index.

1 23. The apparatus of claim 20, further comprising:
2 means for configuring, based at least in part on determining that the active
3 transmit beam has changed to the second transmit beam, a transmission configuration index
4 that provides an indication of the reference signal identifier; and
5 means for transmitting the transmission configuration index.

1 24. The apparatus of claim 20, wherein the means for determining that the
2 active transmit beam has changed further comprise:
3 means for receiving a random access channel (RACH) signal on the second
4 transmit beam.

1 25. The apparatus of claim 24, wherein the means for identifying the
2 reference signal identifier that is associated with the second transmit beam further comprise:
3 means for identifying a reference signal associated with the RACH signal.

1 26. The apparatus of claim 20, further comprising:
2 means for identifying a beam failure indication, wherein identifying the
3 reference signal identifier associated with the second transmit beam is based at least in part
4 on a beam failure recovery transmit beam.

1 27. The apparatus of claim 20, wherein the reference signal identifier that
2 is associated with the second transmit beam comprises an identifier of a reference signal that
3 is used for beam failure detection of the active transmit beam.

1 28. The apparatus of claim 20, further comprising:
2 means for performing a channel measurement procedure on one or more
3 reference signals that are identified in a resource set; and
4 means for transmitting a feedback message comprising information associated
5 with a result of the channel measurement procedure.

1 29. The apparatus of claim 28, further comprising:
2 means for receiving a trigger signal that indicates a measurement link, the
3 measurement link comprising information associating the channel measurement procedure
4 with the resource set, wherein the channel measurement procedure is initiated in response to,
5 and based at least in part on the trigger signal.

1 30. The apparatus of claim 20, further comprising:
2 means for identifying a configured set of available reference signal, wherein
3 identifying the reference signal identifier associated with the second transmit beam is based
4 at least in part on the configured set of available reference signals.

1 31. The apparatus of claim 30, further comprising:
2 means for determining that the reference signal identifier is not included in the
3 configured set of available reference signals; and
4 means for identifying the reference signal identifier from a transmission
5 configuration index.

1 32. The apparatus of claim 20, wherein the active transmit beam is
2 associated with a control channel, or a data channel, or both the control channel and the data
3 channel.

1 33. The apparatus of claim 20, wherein the active transmit beam is
2 associated with a subset of configured control resources.

1 34. The apparatus of claim 20, further comprising:
2 means for receiving a configuration signal indicating a first control resource
3 for a first symbol and a second control resource for a second symbol, wherein the
4 configuration signal identifies either the first control resource or the second control resource
5 as being available for channel measurement; and
6 means for updating, based at least in part on the configuration signal, the CSI
7 resource setting to include either the identified first control resource or the identified second
8 control resource.

1 35. The apparatus of claim 20, wherein the means for updating the CSI
2 resource setting further comprise means for updating a resource set to include the reference
3 signal identifier.

1 36. The apparatus of claim 35, wherein the resource set comprises one or
2 more reference signal identifiers, wherein each reference signal identifier is associated with a
3 corresponding active transmit beam.

1 37. The apparatus of claim 20, wherein the reference signal identifier
2 comprises an identifier associated with at least one of: comprises a synchronization signal
3 block (SSB) reference signal, or a physical broadcast channel (PBCH) block reference signal,
4 or a CSI reference signal, or a sounding reference signal (SRS), or a beam reference signal
5 (BRS), or a beam refinement reference signal (BRRS), or a tracking reference signal (TRS),
6 or a combination thereof.

1 38. An apparatus for wireless communications, comprising:
2 a processor,
3 memory in electronic communication with the processor; and
4 instructions stored in the memory and executable by the processor, to cause
5 the apparatus to:
6 determine that an active transmit beam has changed from a first
7 transmit beam to a second transmit beam, the second transmit beam being different
8 from the first transmit beam;

9 identify a reference signal identifier that is associated with the second
10 transmit beam; and
11 update, based at least in part on the identifying, a channel state
12 information (CSI) resource setting to include the reference signal identifier, wherein
13 the CSI resource setting is associated with the active transmit beam.

1 39. A non-transitory computer-readable medium storing code for wireless
2 communications, the code comprising instructions executable by a processor to:
3 determine that an active transmit beam has changed from a first transmit beam
4 to a second transmit beam, the second transmit beam being different from the first transmit
5 beam;
6 identify a reference signal identifier that is associated with the second transmit
7 beam; and
8 update, based at least in part on the identifying, a channel state information
9 (CSI) resource setting to include the reference signal identifier, wherein the CSI resource
10 setting is associated with the active transmit beam.