

CLAIMS

1. A method, performed by a radio network node (80), for operating a wireless device (90) in a wireless network (100), wherein the wireless device (90) is configured, by higher layer signaling, with a first measurement restriction, MR, configuration for measuring and reporting Channel State Information, CSI, the method comprises:
 - transmitting (42) a first indication with lower layer signaling, indicating that a second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI;wherein the second MR configuration for measuring and reporting CSI is selected from a set of configurations predetermined by an agreement between the network node (80) and the wireless device (90) and wherein an MR configuration for measuring and reporting restricts a time over which the UE performs measurements on non-zero power, NZP, CSI-RS resources.
2. The method according to claim 1, wherein the second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI for a predetermined time period.
3. The method according to claim 2, wherein the predetermined time period ends after a configurable time.
4. The method according to claim 2, wherein the method further comprises:
 - transmitting (44) a second indication with lower layer signaling, the second indication indicating that the predetermined time period ends.
5. The method according to claim 1, wherein the second MR configuration for measuring and reporting CSI is selected from a set of predetermined MR configurations.
6. The method according to claims 1-5, wherein the second MR configuration for measuring and reporting CSI comprises no measurement restrictions.
7. A method for reporting Channel State Information, CSI, in a wireless device (90), the wireless device (90) is configured, by higher layer signaling, to measure and report CSI according to a first measurement restriction, MR, configuration, the method comprises:

- receiving (52) by lower layer signaling, from a radio network node (80), a first indication indicating that a second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI;

wherein the second MR configuration for measuring and reporting CSI is selected from a set of configurations predetermined by an agreement between the network node (80) and the wireless device (90) and wherein a measurement restriction, MR, restricts a time over which the UE performs measurements on non-zero power, NZP, CSI-RS resources.

8. The method according to claim 7, wherein the second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI for a predetermined time period.
9. The method according to claim 8, wherein the predetermined time period ends after a configurable time.
10. The method according to claim 8, wherein the method further comprises:
 - receiving (54) by lower layer signaling, a second indication, indicating that the predetermined time period ends.
11. The method according to claim 8, wherein the second MR configuration for measuring and reporting CSI is selected from a set of predetermined MR configurations.
12. The method according to claims 7-11, wherein the second MR configuration for measuring and reporting CSI comprises no measurement restrictions.
13. A radio network node (80), for operating a wireless device (90) in a wireless network (100), the radio network node (80) comprising a processing circuitry and a memory, said memory containing instructions executable by said processing circuitry, whereby said radio network node (80) is adapted and/or configured and/or operative to:
 - transmit a first indication with lower layer signaling, indicating that a second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI;

wherein the second MR configuration for measuring and reporting CSI is selected from a set of configurations that is predetermined by an agreement between the network node (80) and the wireless device (90) and wherein a measurement restriction, MR,

restricts a time over which the UE performs measurements on non-zero power, NZP, CSI-RS resources.

14. The radio network node (80) according to claim 13, wherein the second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI for a predetermined time period.
15. The radio network node (80) according to claim 14, wherein the predetermined time period ends after a configurable time.
16. The radio network node (80) according to claim 14, wherein the radio network node (80) is further adapted and configured to:
 - transmit a second indication with lower layer signaling, the second indication indicating that the predetermined time period ends.
17. The radio network node (80) according to claim 13, wherein the second MR configuration for measuring and reporting CSI is selected from a set of predetermined MR configurations.
18. The radio network node (80) according to claims 13-17, wherein the second MR configuration for measuring and reporting CSI comprises no measurement restrictions.
19. A wireless device (90) for reporting Channel State Information, CSI, and the wireless device (90) comprising a processing circuitry and a memory, said memory containing instructions executable by said processing circuitry, whereby said wireless device (90) is adapted and/or configured and/or operative to:
 - be configured, by higher layer signaling, with a first measurement restriction, MR, configuration for measuring and reporting Channel State Information, CSI,
 - receive by lower layer signaling, from a radio network node (80), a first indication indicating that a second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI;

wherein the second MR configuration for measuring and reporting CSI is selected from a set of configurations predetermined by an agreement between the network node (80) and the wireless device (90) and wherein a measurement restriction, MR, restricts a time over which the UE performs measurements on non-zero power, NZP, CSI-RS resources.

20. The wireless device (90) according to claim 19, wherein the second MR configuration for measuring and reporting CSI replaces the first MR configuration for measuring and reporting CSI for a predetermined time period.
21. The wireless device (90) according to claim 20, wherein the predetermined time period ends after a configurable time.
22. The wireless device (90) according to claim 20, wherein the wireless device (90) is further adapted and configured to:
 - receive by lower layer signaling, a second indication, indicating that the predetermined time period ends.
23. The wireless device (90) according to claim 19, wherein the second MR configuration for measuring and reporting CSI is selected from a set of predetermined MR configurations.
24. The wireless device (90) according to claim 19-23, wherein the second MR configuration for measuring and reporting CSI comprises no measurement restrictions.