

【CLAIMS】

1. A method of performing channel state information (CSI) reporting by a terminal in a wireless communication system, the method comprising:

receiving downlink control information (DCI) that triggers the CSI reporting;

receiving a CSI-reference signal (CSI-RS) for the CSI reporting; and

transmitting, to a base station, a CSI report that is determined based on the CSI-RS,

wherein the CSI report is transmitted at least a minimum required time after receiving the DCI,

wherein the minimum required time for the CSI reporting is configured based on (i) a first timing parameter related to a time duration between a last timing of the CSI-RS and a transmission timing of the CSI report, and (ii) a second timing parameter related to a time duration between a timing of a DCI triggering and a timing of the CSI-RS, and

wherein the method further comprises reporting, to the base station, information regarding the first timing parameter and the second timing parameter as user equipment (UE) capability information.

2. The method of claim 1, wherein the CSI reporting is based on reporting information that comprises a CSI-RS resource indicator (CRI) and a reference signal received power (RSRP).

3. The method of claim 2, wherein the minimum required time for the CSI reporting is configured as a sum of the first timing parameter and the second timing

parameter.

4. The method of claim 3, wherein the CSI-RS is configured to be an aperiodic CSI-RS.

5. The method of claim 2, wherein a number of processing units that are utilized by the terminal to perform the CSI reporting is equal to 1.

6. The method of claim 1, wherein for the first timing parameter, the transmission timing of the CSI report corresponds to a starting symbol of a Physical Uplink Shared Channel (PUSCH) containing the CSI report.

7. The method of claim 1, wherein:

(i) the first timing parameter indicates the UE capability for a minimum required time between the last timing of the CSI-RS and the transmission timing of the CSI report, and

(ii) the second timing parameter indicates the UE capability for a minimum required time between the timing of DCI triggering and the timing of the CSI-RS.

8. The method of claim 1, wherein the second timing parameter is related to a duration of time to switch to a reception beam of the CSI-RS.

9. A terminal configured to perform channel state information (CSI) reporting in a wireless communication system, the terminal comprising:

a radio frequency (RF) unit;

at least one processor; and

at least one computer memory operably connectable to the at least one processor and storing instructions that, when executed by the at least one processor, perform operations comprising:

receiving downlink control information (DCI) that triggers the CSI reporting;

receiving a CSI-reference signal (CSI-RS) for the CSI reporting; and

transmitting, to a base station through the RF unit, a CSI report that is determined based on the CSI-RS,

wherein the CSI report is transmitted at least a minimum required time after receiving the DCI,

wherein the minimum required time for the CSI reporting is configured based on (i) a first timing parameter related to a time duration between a last timing of the CSI-RS and a transmission timing of the CSI report, and (ii) a second timing parameter related to a time duration between a timing of a DCI triggering and a timing of the CSI-RS, and

wherein the operations further comprise reporting, to the base station, information regarding the first timing parameter and the second timing parameter as user equipment (UE) capability information.

10. The terminal of claim 9, wherein the CSI reporting is based on reporting information that comprises a CSI-RS resource indicator (CRI) and a reference signal received power (RSRP).

11. The terminal of claim 10, wherein the minimum required time for the CSI reporting is configured as a sum of the first timing parameter and the second timing

parameter.

12. The terminal of claim 11, wherein the CSI-RS is configured to be an aperiodic CSI-RS.

13. The terminal of claim 10, wherein a number of processing units that are utilized by the terminal to perform the CSI reporting is equal to 1.

14. The terminal of claim 9, wherein for the first timing parameter, the transmission timing of the CSI report corresponds to a starting symbol of a Physical Uplink Shared Channel (PUSCH) containing the CSI report.

15. The terminal of claim 9, wherein:

(i) the first timing parameter indicates the UE capability for a minimum required time between the last timing of the CSI-RS and the transmission timing of the CSI report, and

(ii) the second timing parameter indicates the UE capability for a minimum required time between the timing of DCI triggering and the timing of the CSI-RS.

16. The terminal of claim 9, wherein the second timing parameter is related to a duration of time to switch to a reception beam of the CSI-RS.

17. A base station configured to receive channel state information (CSI) reporting in a wireless communication system, the base station comprising:

a radio frequency (RF) unit;

at least one processor; and

at least one computer memory operably connectable to the at least one processor and storing instructions that, when executed by the at least one processor, perform operations comprising:

transmitting, to a terminal through the RF unit, downlink control information (DCI) that triggers the CSI reporting;

transmitting, to the terminal through the RF unit, a CSI-reference signal (CSI-RS) for the CSI reporting; and

receiving, from the terminal through the RF unit, a CSI report that is determined based on the CSI-RS,

wherein the CSI report is transmitted by the terminal at least a minimum required time after the terminal receives the DCI,

wherein the minimum required time for the CSI reporting is configured based on (i) a first timing parameter related to a time duration between a last timing of the CSI-RS and a transmission timing of the CSI report, and (ii) a second timing parameter related to a time duration between a timing of a DCI triggering and a timing of the CSI-RS, and

wherein the operations further comprise receiving, from the terminal, information regarding the first timing parameter and the second timing parameter as user equipment (UE) capability information.