example enabling access to a communication network or communications directly with other users. The communication device may access a carrier provided by a station, for example a base station of a cell, and transmit and/or receive communications on the carrier.

[0005] The telecommunications system and associated devices typically operate in accordance with a given standard or specification which sets out what the various entities associated with the system are permitted to do and how that should be achieved. Communication protocols and/or parameters which shall be used for the connection are also typically defined. One example of a telecommunications system is the Universal Mobile Telecommunications System (UMTS). Other examples of telecommunications systems are Long-Term Evolution (LTE), LTE Advanced and the so-called 5G or New Radio (NR) networks. NR is being standardized by the 3rd Generation Partnership Project (3GPP).

SUMMARY

[0006] Example implementations of the present disclosure are directed generally to telecommunications and, in particular, to channel state information reporting priority for lower-layer triggered mobility. The present disclosure includes, without limitation, the following example implementations.

[0007] In an aspect, the present disclosure provides an apparatus comprising: at least one memory configured to store instructions; and at least one processing circuitry configured to access the at least one memory, and execute the instructions to cause the apparatus to at least: determine that at least two channel state information (CSI) reports are to be reported; calculate priority values associated with the at least two CSI reports, at least one of the priority values calculated based on a determination that at least one of the at least two CSI reports is a lower-layered triggered mobility (LTM) CSI report; determine that a time occupancy of physical channels scheduled to carry the at least two CSI reports at least partially overlap on a carrier, the at least two CSI reports thereby said to collide; and send one or more of the at least two CSI reports that are said to collide based on the priority values.

[0008] Some example implementations provide an apparatus comprising: means for determining that at least two channel state information (CSI) reports are to be reported; means for calculating priority values associated with the at least two CSI reports, at least one of the priority values calculated based on a determination that at least one of the at least two CSI reports is a lower-layered triggered mobility (LTM) CSI report; means for determining that a time occupancy of physical channels scheduled to carry the at least two CSI reports at least partially overlap on a carrier, the at least two CSI reports thereby said to collide; and means for sending one or more of the at least two CSI reports that are said to collide based on the priority values.

[0009] In an aspect, the present disclosure provides a method comprising: determining that at least two channel state information (CSI) reports are to be reported; calculating priority values associated with the at least two CSI reports, at least one of the priority values calculated based on a determination that at least one of the at least two CSI reports is a lower-layered triggered mobility (LTM) CSI report; determining that a time occupancy of physical channels scheduled to carry the at least two CSI reports at least partially overlap on a carrier, the at least two CSI reports thereby said to collide; and sending one or more of the at least two CSI reports that are said to collide based on the priority values.

[0010] Some example implementations provide a computer-readable storage medium that is non-transitory and has instructions stored therein that, in response to execution by at least one processing circuitry, causes an apparatus to at least: determine that at least two channel state information (CSI) reports are to be reported; calculate priority values associated with the at least two CSI reports, at least one of the priority values calculated based on a determination that at least one of the at least two CSI reports is a lower-layered triggered mobility (LTM) CSI report; determine that a time occupancy of physical channels scheduled to carry the at least two CSI reports at least partially overlap on a carrier, the at least two CSI reports thereby said to collide; and send one or more of the at least two CSI reports that are said to collide based on the priority values.

[0011] These and other features, aspects, and advantages of the present disclosure will be apparent from a reading of the following detailed description together with the accompanying figures, which are briefly described below. The present disclosure includes