CLAIMS

1. An apparatus comprising:

means for receiving, from a network device, configuration information associated with a plurality of pre-configured measurement gap patterns configured for the apparatus;

means for receiving, from the network device and for a bandwidth part, index information for activating or deactivating at least one pre-configured measurement gap pattern from the plurality of pre-configured measurement gap patterns; and

means for activating or deactivating the at least one pre-configured measurement gap pattern for the bandwidth part based on at least the index information.

2. The apparatus of claim 1, wherein the configuration information comprises a plurality of information items corresponding to the plurality of pre-configured measurement gap patterns, an information item of the plurality of information items comprising at least one of an index and a parameter configuration associated with a corresponding pre-configured measurement gap pattern.

3. The apparatus of claim 2, wherein the index of the corresponding pre-configured measurement gap pattern is a predetermined identifier or depends on an order of the corresponding pre-configured measurement gap pattern in the plurality of pre-configured measurement gap patterns.

4. The apparatus of claim 2 or 3, wherein the index information comprises at least one index value for the at least one measurement gap pattern to be applied to the bandwidth part.

5. The apparatus of claim 1, wherein the configuration information comprises a plurality of information items for a measurement gap pattern parameter among a plurality of measurement gap pattern parameters associated with the plurality of measurement gap patterns, an information item of the plurality of information items for the measurement gap pattern parameter comprising a value of the measurement gap pattern parameter and an index corresponding to the value of the measurement gap pattern parameter.

6. The apparatus of claim 5, wherein the index information comprises at least one index value associated with at least one measurement gap pattern parameter among the plurality of measurement gap pattern parameters.

7. The apparatus of any of claims 2 to 6, wherein two or more indexes in the configuration information correspond to a same predetermined identifier.

8. The apparatus of any of claims 1 to 7, wherein the configuration information comprises an indication of at least one default pre-configured measurement gap pattern.

9. The apparatus of claim 8, wherein the index information comprises at least one of:

information for indicating to apply the at least one default pre-configured measurement gap pattern or at least one previous measurement gap pattern to the bandwidth part; and

information for indicating whether to apply the at least one default pre-configured measurement gap pattern to the bandwidth part.

10. The apparatus of any of claims 1 to 9, wherein the index information comprises at least one predetermined index or at least one empty index for indicating to deactivate at least one activated measurement gap pattern of the bandwidth part.

11. The apparatus of any of claims 1 to 10, wherein the apparatus is configured to receive the configuration information via at least one first downlink radio resource control signaling.

12. The apparatus of any of claims 1 to 11, wherein the apparatus is configured to receive the index information via downlink control information or at least one second downlink radio resource control signaling.

13. The apparatus of claim 12, wherein the apparatus is configured to receive the index information i via downlink control information or at least one second downlink radio resource control signaling for a bandwidth part switch, a delay of completing the bandwidth part switch including both a pre-defined bandwidth part switch time and a measurement gap pattern

application time.

14. The apparatus of any of claims 1 to 13, wherein apparatus comprises means for:

receiving another configuration information associated with another plurality of pre-configured measurement gap patterns; and

updating the configuration information based on the another configuration information.

15. The apparatus of any of claims 1 to 14 wherein the plurality of pre-configured measurement gap patterns are associated with a plurality of bandwidth parts.

16. An apparatus comprising:

means for transmitting, to a mobile station, configuration information associated with a plurality of pre-configured measurement gap patterns configured for the mobile station; and

means for transmitting, to the mobile station for a bandwidth part, index information for activating or deactivating at least one pre-configured measurement gap pattern from the plurality of pre-configured measurement gap patterns.