CLAIMS

1. A method (2500) of wireless communication by a base station, comprising:

processing (2502) a first group of synchronization signals;

processing (2504) a second group of synchronization signals;

performing (2506) a first transmission by transmitting the processed first group of the synchronization signals in a first synchronization subframe; and

performing (2508) a second transmission by transmitting the processed second group of the synchronization signals in a second synchronization subframe;

wherein the first group of synchronization signals comprises different synchronization signals than the second group of synchronization signals; and

wherein the first group of synchronization signals are processed by performing time-division multiplexing, TDM, of the first group of synchronization signals, and the second group of synchronization signals are processed by performing TDM of the second group of synchronization signals, wherein the first group of the synchronization signals includes a physical broadcast channel, PBCH, signal, and the second group of the synchronization signals includes a beam reference signal, BRS.

2. The method of claim 1, wherein the first group of the synchronization signals further includes one or more of a primary synchronization signal, PSS, a secondary synchronization signal, SSS, and another PBCH signal, and the second group of the synchronization signals further includes one or more of a PSS, an SSS, and another BRS.

3. The method of claim 2, wherein the another PBCH signal is a duplicate of the PBCH signal and the another BRS is a duplicate of the BRS.

4. The method of claim 1, further comprising:

performing one or more repeat transmissions of the first transmission, wherein each of the one or more repeat transmissions of the first transmission includes a repetition of the first transmission,

wherein the first transmission and the one or more repeat transmission of the first transmission are performed within the first synchronization subframe.

5. The method of claim 4, wherein the first transmission includes a transmission of at least one of the processed first synchronization signals in the first group being repeated at least once during each of the first transmission and the one or more repeat transmissions in the first synchronization subframe.

6. A method (3400) of wireless communication by a user equipment, UE, comprising:

receiving (3402), in a first synchronization subframe, a first transmission of a first group of synchronization signals processed by processing the first group of synchronization signals;

receiving (3404), in a second synchronization subframe, a second transmission of a second group of synchronization signals processed by processing the second group of synchronization signals; and

performing (3406) time-division demultiplexing of the processed first group of synchronization signals and the processed second group of synchronization signals;

wherein the first group of synchronization signals comprises different synchronization signals than the second group of synchronization signals; and

wherein the first group of synchronization signals are processed by time-division multiplexing, TDM, of the first group of synchronization signals, and the second group of synchronization signals are processed by TDM of the second group of synchronization signals, wherein the first group of the synchronization signals includes a physical broadcast channel, PBCH, signal, and the second group of the synchronization signals includes a beam reference signal, BRS.

7. The method of claim 6, wherein the first group of the synchronization signals further includes one or more of a primary synchronization signal, PSS, a secondary synchronization signal, SSS, and another PBCH signal, and the second group of the synchronization signals further includes one or more of a PSS, an SSS, and another BRS.

8. The method of claim 7, wherein the another PBCH signal is a duplicate of the PBCH signal and the another BRS is a duplicate of the BRS.

9. A base station for wireless communication, comprising:

means for processing (2502) a first group of synchronization signals;

means for processing (2504) a second group of synchronization signals;

means for performing (2506) a first transmission by transmitting the processed first group of the synchronization signals in a first synchronization subframe; and

means for performing (2508) a second transmission by transmitting the processed second group of the synchronization signals in a second synchronization subframe;

wherein the first group of synchronization signals comprises different synchronization signals than the second group of synchronization signals; and

wherein the first group of synchronization signals are processed by performing time-division multiplexing, TDM, of the first group of synchronization signals, and the second group of synchronization signals are processed by performing TDM of the second group of synchronization signals, wherein the first group of the synchronization signals includes a physical broadcast channel, PBCH, signal, and the second group of the synchronization signals includes a beam reference signal, BRS.

10. A user equipment, UE, for wireless communication, comprising:

means for receiving (3402), in a first synchronization subframe, a first transmission of a first group of synchronization signals processed by processing the first group of synchronization signals;

means for receiving (3404), in a second synchronization subframe, a second transmission of a second group of synchronization signals processed by processing the second group of synchronization signals; and

means for performing (3406) time-division demultiplexing of the processed first group of synchronization signals and the processed second group of synchronization signals;

wherein the first group of synchronization signals comprises different synchronization signals than the second group of synchronization signals; and

wherein the first group of synchronization signals are processed by time-division multiplexing, TDM, of the first group of synchronization signals, and the second group of synchronization signals are processed by TDM of the second group of synchronization signals, wherein the first group of the synchronization signals includes a physical broadcast channel, PBCH, signal, and the second group of the synchronization signals includes a beam reference signal, BRS.

11. A computer program comprising instructions which, when executed by an apparatus, cause the apparatus to perform the steps of any of claims 1-5 or 6-8.