

CLAIMS

1. A user terminal comprising:

a receiving section that receives transmission configuration information indicating a transmission cycle of a discovery signal and discontinuous reception information indicating a discontinuous reception cycle in the user terminal, wherein the transmission cycle is longer than a transmission cycle of at least one of a PSS (Primary Synchronization Signal), an SSS (Secondary Synchronization Signal) and a CRS (Cell-specific Reference Signal); and

a configuration section that configures a detection duration used for cell detection and/or measurement, based on the transmission cycle of the discovery signal and the discontinuous reception cycle, irrespective of an ON duration that repeats in the discontinuous reception cycle.

2. The user terminal according to claim 1, wherein

the transmission configuration information further indicates a start offset of a transmission duration of the discovery signal, and

the configuration section configures the transmission duration of the discovery signal at a time that is determined based on the transmission cycle and the start offset.

3. The user terminal according to claim 1 or 2, wherein

the discontinuous reception information further indicates a start offset of the ON duration, and

the configuration section configures the ON duration at a time that is determined based on the discontinuous reception cycle and the start offset.

4. The user terminal according to any one of claims 1 to 3, wherein the receiving section receives the transmission configuration information and the discontinuous reception information by higher layer signaling.

5. The user terminal according to any one of claims 1 to 4, wherein the discovery signal includes a CSI-RS (Channel State Information-Reference Signal).

6. A radio base station comprising:

a generating section that generates transmission configuration information indicating a transmission cycle of a discovery signal and discontinuous reception information indicating a discontinuous reception cycle in a user terminal, wherein the transmission cycle is longer than a transmission cycle of at least one of a PSS (Primary Synchronization Signal), an SSS (Secondary Synchronization Signal) and a CRS (Cell-specific Reference Signal); and

a transmission section that transmits the transmission configuration information and the discontinuous reception information to the user terminal,

wherein a detection duration used for cell detection and/or measurement is configured in the user terminal, based on the transmission cycle of the discovery signal and the discontinuous reception cycle,

irrespective of an ON duration that repeats in the discontinuous reception cycle.

7. A communication control method comprising:

5 transmitting, by a radio base station, transmission configuration information indicating a transmission cycle of a discovery signal and discontinuous reception information indicating a discontinuous reception cycle in a user terminal, to the user terminal, wherein the transmission cycle is longer than a transmission cycle of at least one of a PSS (Primary
10 Synchronization Signal), an SSS (Secondary Synchronization Signal) and a CRS (Cell-specific Reference Signal); and

 configuring, by the user terminal, a detection duration used for cell detection and/or measurement, based on the transmission cycle of the discovery signal and the discontinuous reception cycle, irrespective of an
15 ON duration that repeats in the discontinuous reception cycle.