

WHAT IS CLAIMED IS:

CLAIMS

- 1.- \_\_\_\_ A method of wireless communication performed by a user equipment (UE), comprising:  
receiving an indication of a plurality of selectable physical resource block (PRB) bundle-  
sizes;  
receiving downlink control information (DCI) that does not include a PRB bundling size-  
indicator that indicates a PRB bundle size to be selected from the plurality of selectable PRB-  
bundle sizes; and  
~~selecting a PRB bundle size, from the plurality of selectable PRB bundle sizes, despite the DCI not  
including the PRB bundling size indicator.~~  
  
selecting a first value from a set of precoding resource block group (PRG) value as a PRB  
bundling size in response to determining that the received DCI comprises a DCI format 1\_1 and  
in response to determining that the received DCI does not include the PRB bundling size  
indicator due to a bandwidth part configuration, upon receiving the plurality of selectable  
physical resource block (PRB) bundle sizes.
- 2.- \_\_\_\_ The method of claim 1, further comprising processing downlink data and one or more  
associated reference signals according to the selected PRB bundle size.
- 3.- \_\_\_\_ The method of claim 1, further comprising precoding and transmitting uplink data and  
one or more associated reference signals according to the selected PRB bundle size.
4. ~~The method of claim 1, wherein the DCI is one of:~~  
~~a DCI having format 1\_0, or~~  
~~a DCI having format 1\_1, wherein the PRB bundling size indicator is not included in the DCI having  
format 1\_1.~~
5. ~~The method of claim 4, wherein the PRB bundling size indicator is not included in the DCI having format  
1\_1 due to a bandwidth part configured for the UE.~~

~~6. The method of claim 1, wherein the PRB bundle size is selected based at least in part on information hard-coded in memory of the UE.~~

~~7. The method of claim 6, wherein the information indicates a default PRB bundle size, and wherein selecting the PRB bundle size comprises selecting the default PRB bundle size.~~

~~8. The method of claim 1, wherein the plurality of selectable PRB bundle sizes includes a first set of ~~precoding resource block group (PRG)~~ values and a second set of PRG values.~~

~~9. The method of claim 8, wherein the first set of PRG values includes a single PRG value and the second set of PRG values includes a single PRG value.~~

~~10. The method of claim 9, wherein the UE selects the PRB bundle size as one of: ~~either a single PRG value from the first set, the single PRG value from the second set, or a default PRG value.~~~~

~~11. The method of claim 9, wherein the UE selects either the single PRG value from the first set or the single PRG value from the second set of PRG values based at least in part on a parameter.~~

~~12. The method of claim 8, wherein the first set of PRG values includes two PRG values and the second set of PRG values includes a single PRG value.~~

~~13. The method of claim 12, wherein the UE selects the PRB bundle size as one of: ~~the single PRG value from the second set, a first PRG value of the two PRG values from the first set, a second PRG value of the two PRG values from the first set, or a default PRG value.~~~~

~~14. The method of claim 13, wherein the first PRG value indicates a PRB bundle size of 2 or 4.~~

~~15. The method of claim 13, wherein the second PRG value indicates a PRB bundle size corresponding to a size of a scheduled bandwidth that is scheduled by the DCI.~~

~~16. The method of claim 1, wherein the plurality of selectable PRB bundle sizes includes a~~

first set of precoding resource block group (PRG) values, that includes one or more PRG values, and a second set of PRG values that includes a single PRG value, and wherein the method further comprises:

selecting the PRB bundle size as the single PRG value from the second set.

~~17-10.~~ 10. A user equipment (UE) for wireless communication, comprising:  
memory; and

one or more processors coupled to the memory, the memory and the one or more processors configured to:

receive an indication of a plurality of selectable physical resource block (PRB) bundle sizes;

sizes;

receive downlink control information (DCI) that does not include a PRB bundling size indicator that indicates a PRB bundle size to be selected from the plurality of selectable PRB bundle sizes; and

~~select a PRB bundle size, from the plurality of selectable PRB bundle sizes, despite the DCI not including the PRB bundling size indicator.~~

select a first value from a set of precoding resource block group (PRG) values as a PRB bundling size in response to determining that the received DCI comprises a DCI format 1\_1 and in response to determining that the received DCI does not include the PRB bundling size indicator due to a bandwidth part configuration, upon receiving the plurality of selectable physical resource block (PRB) bundle sizes.

~~18-11.~~ 11. The UE of claim ~~17~~10, wherein the one or more processors are further configured to process downlink data and one or more associated reference signals according to the selected PRB bundle size.

~~19-12.~~ 12. The UE of claim ~~17~~, wherein the DCI is one of:

a DCI having format 1\_0, or

a DCI having format 1\_1, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1.

~~20.~~ 20. The UE of claim ~~19~~, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1 due to a bandwidth part configured for the UE.

~~21. The UE of claim 17, wherein the PRB bundle size is selected based at least in part on information hard-coded in the memory of the UE.~~

~~22. The UE of claim 21, wherein the information indicates a default PRB bundle size, and wherein selecting the PRB bundle size comprises selecting the default PRB bundle size.~~

~~23. The UE of claim 17~~10, wherein the plurality of selectable PRB bundle sizes includes a first set of precoding resource block group (PRG) values, that includes one or two PRG values, and a second set of PRG values that includes a single PRG value.

~~24.~~13. The UE of claim ~~23~~12, wherein the one or more processors are configured to select the PRB bundle size as ~~one of:~~

the single PRG value from the second set;

~~a first PRG value from the first set,~~

~~a second PRG value from the first set, or~~

~~a default PRG value.~~

~~25. The UE of claim 23, wherein the one or more processors are configured to select the PRB bundle size as the single PRG value from the second set.~~

~~26.~~14. A non-transitory computer-readable medium storing one or more instructions for wireless communication, the one or more instructions comprising:-

one or more instructions that, when executed by one or more processors of a user equipment (UE), cause the one or more processors to:

receive an indication of a plurality of selectable physical resource block (PRB) bundle-sizes;

sizes;

receive downlink control information (DCI) that does not include a PRB bundling size-indicator that indicates a PRB bundle size to be selected from the plurality of selectable PRB-bundle sizes; and

~~select a PRB bundle size, from the plurality of selectable PRB bundle sizes, despite the DCI not including the PRB bundling size indicator.~~

selecting a first value from a set of precoding resource block group (PRG) values as a PRB bundling size in response to determining that the received DCI comprises a DCI format 1\_1 and

in response to determining that the received DCI does not include the PRB bundling size indicator due to a bandwidth part configuration, upon receiving the plurality of selectable physical resource block (PRB) bundle sizes.

~~27.~~ 15. The non-transitory computer-readable medium of claim 26, wherein the DCI is one of:

a DCI having format 1\_0, or

a DCI having format 1\_1, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1.

~~28.~~ The non-transitory computer-readable medium of claim 27, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1 due to a bandwidth part configured for the UE.

~~29.~~ The non-transitory computer-readable medium of claim 26, wherein the PRB bundle size is selected as a default PRB bundle size.

~~30.~~ The non-transitory computer-readable medium of claim ~~26~~ 14, wherein the plurality of selectable PRB bundle sizes includes a first set of ~~precoding resource block group (PRG)~~ PRG values, that includes one or more PRG values, and a second set of PRG values that includes a single PRG value, and wherein the UE is configured to select the PRB bundle size as the single PRG value from the second set.

~~34.~~ 16. An apparatus for wireless communication, comprising:

means for receiving an indication of a plurality of selectable physical resource block (PRB)-~~bundle sizes;~~

bundle sizes;

means for receiving downlink control information (DCI) that does not include a PRB-bundling size indicator that indicates a PRB bundle size to be selected from the plurality of selectable PRB bundle sizes; and

means for selecting a ~~PRB bundle size,~~ first value from a set of precoding resource block group (PRG) values as a PRB bundling size in response to determining that the received DCI comprises a DCI format 1\_1 and in response to determining that the received DCI does not include the PRB bundling size indicator due to a bandwidth part configuration, upon receiving the plurality of selectable ~~PRB~~ physical resource block (PRB) bundle sizes, despite the DCI not including the PRB bundling size indicator.

~~32-17.~~ The apparatus of claim 31, wherein the DCI is one of:

a DCI having format 1\_0, or

a DCI having format 1\_1, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1.

~~33.~~ The apparatus of claim 32, wherein the PRB bundling size indicator is not included in the DCI having format 1\_1 due to a bandwidth part configured for the apparatus.

~~34.~~ The apparatus of claim 31, wherein the PRB bundle size is selected as a default PRB bundle size.

~~35.~~ The apparatus of claim ~~34~~16, wherein the plurality of selectable PRB bundle sizes includes a first set of ~~precoding resource block group (PRG)~~PRG values, that includes one or more PRG values, and a second set of PRG values that includes a single PRG value, and wherein the apparatus is configured to select the PRB bundle size as the single PRG value from the second set.