

WHAT IS CLAIMED IS:

1. A first device, comprising:

means for determining that a random access procedure is triggered based on a plurality of features;

5 means for determining, from a set of resources for the random access procedure, a first subset of resources allocated for a first feature in the plurality of features, the first feature having a first priority;

means for determining, from the set of resources for the random access procedure, a second subset of resources allocated for a second feature in the plurality of features, the second
10 feature having a second priority lower than the first priority; and

means for in accordance with a determination that there are no overlapped resources between the first subset of resources and the second subset of resources, performing the random access procedure with a second device based on the first subset of resources.

15 2. The first device of claim 1, wherein the plurality of features comprises a third feature which has a third priority lower than the second priority, wherein the first device comprises means for determining, from the set of resources for the random access procedure, a third subset of resources allocated for the third feature.

20 3. The first device of claim 2, wherein the means for performing the random access procedure comprises means for in accordance with a determination that the first subset of resources does not overlap with the second and third subsets of resources and a determination that there is a subset of overlapped resources between the second and third subsets of resources, performing the random access procedure based on the first subset of resources.

25 4. The first device of any one of claims 1-3, wherein the first priority and the second priority are configured by the second device via radio resource control signaling, or wherein the first priority and the second priority are predetermined at the first device.

30 5. The first device of any one of claims 1-3, wherein the plurality of features comprises at

least two of:

- a reduced capability,
- a small data transmission,
- a coverage enhancement, or
- 5 a slice.

6. The first device of any one of claims 1-3, wherein the plurality of features comprises a small data transmission (SDT), and the SDT has a lowest priority among the plurality of features.

10 7. The first device of any one of claims 1-3, wherein the plurality of features comprises a first slice and a second slice, and the first and second slices have different priorities.

8. The first device of any one of claims 1-7, wherein the first device is a terminal device and the second device is a network device.

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9. A first device, comprising:

means for determining that a random access procedure is triggered based on a plurality of features;

20 means for determining, from a set of resources for the random access procedure, a first subset of resources allocated for a first feature in the plurality of features, the first feature having a first priority;

means for determining, from the set of resources for the random access procedure, a second subset of resources allocated for a second feature in the plurality of features, the second feature having a second priority lower than the first priority; and

25 means for in accordance with a determination that the first subset of resources does not overlap with the second subset of resources, performing the random access procedure with a second device based on other resources in the set of resources excluded the first subset of resources.

10. The first device of claim 9, wherein the means for performing the random access procedure comprises:

30 means for performing the random access procedure based on the other resources in the set

of resources excluded the first and second subsets of resources.

11. The first device of claim 9, wherein the plurality of features comprises a third feature which has a third priority lower than the second priority, wherein the plurality of features comprises
5 a third feature which has a third priority lower than the second priority, wherein the first device comprises means for

determining, from the set of resources for the random access procedure, a third subset of resources allocated for the third feature.

10 12. The first device of claim 11, wherein the means for performing the random access procedure comprises:

means for in accordance with a determination that the first subset of resources does not overlap with the second and third subsets of resources and a determination that there is a subset of overlapped resources between the second and third subsets of resources, performing the random
15 access procedure based on the subset of overlapped resources between the second and third subsets of resources.

13. The first device of any one of claims 9-12, wherein the plurality of features comprises at least two of:

20 a reduced capability,
a small data transmission,
a coverage enhancement, or
a slice.

25 14. A method, comprising:

determining, at a first device, that a random access procedure is triggered based on a plurality of features;

determining, from a set of resources for the random access procedure, a first subset of resources allocated for a first feature in the plurality of features, the first feature having a first
30 priority;

determining, from the set of resources for the random access procedure, a second subset of

resources allocated for a second feature in the plurality of features, the second feature having a second priority lower than the first priority; and

in accordance with a determination that there are no overlapped resources between the first subset of resources and the second subset of resources, performing the random access procedure
5 with a second device based on the first subset of resources.

15. A method, comprising:

determining, at a first device, that a random access procedure is triggered based on a plurality of features;

10 determining, from a set of resources for the random access procedure, a first subset of resources allocated for a first feature in the plurality of features, the first feature having a first priority;

determining, from the set of resources for the random access procedure, a second subset of resources allocated for a second feature in the plurality of features, the second feature having a
15 second priority lower than the first priority; and

in accordance with a determination that the first subset of resources does not overlap with the second subset of resources, performing the random access procedure with a second device based on other resources in the set of resources excluded the first subset of resources.