WHAT IS CLAIMED IS:

1. A first device comprising:

at least one processor; and

at least one memory storing instructions that, when executed by the at least one processor, cause the first device at least to perform:

receiving, from a second device, at least one barring configuration corresponding to at least one energy saving mode of the second device;

receiving, from the second device, a first mode indication that the second device operates in a first energy saving mode of the at least one energy saving mode; and

performing a first operation associated with an access to the second device based on a first barring configuration, of the at least one barring configuration, corresponding to the first energy saving mode.

2. The first device of claim 1, wherein the first device is further caused to perform:

receiving, from the second device, a second mode indication that the second device operates in a second energy saving mode of the at least one energy saving mode different from the first energy saving mode; and

performing a second operation associated with an access to the second device based on a second barring configuration, of the at least one barring configuration, corresponding to the second energy saving mode.

3. The first device of claim 1, wherein the first device is further caused to perform:

receiving, from the second device, a third mode indication that the second device operates in a non-energy saving mode; and

performing a third operation associated with an access to the second device based on a third barring configuration corresponding to the non-energy saving mode.

4. The first device of claim 1, wherein the first barring configuration comprises a set of access barring parameters corresponding to the first energy saving mode, and performing the first operation comprises:

performing access barring check for an access attempt to the second device based on the set of access barring parameters.

5. The first device of claim 4, wherein performing the access barring check comprises:

receiving, from the second device, first information indicating an association between the first energy saving mode and an access identity; and

performing the access barring check for the access attempt associated with the access identity based on the set of access barring parameters.

6. The first device of claim 4, wherein performing the access barring check comprises:

receiving, from the second device, second information indicating an association between the first energy saving mode and an access category; and

performing the access barring check for the access attempt associated with the access category based on the set of access barring parameters.

7. The first device of claim 4, wherein the set of access barring parameters comprises at least one of:

a barring indicator for the first energy saving mode,

a barring factor for the first energy saving mode,

a barring time for the first energy saving mode, or

an indication of a barring timer for the first energy saving mode.

8. The first device of claim 4, wherein the first device is further caused to perform:

determining the set of access barring parameters from the at least one barring configuration based on the first energy saving mode and at least one of:

a beam via which the first and second devices communicate, or

a Public Land Mobile Network serving the first device.

9. The first device of claim 1, wherein the first barring configuration comprises a cell barring indication of whether a cell served by the second device is barred for the first energy saving mode, and performing the first operation comprises:

determining whether the cell is barred for the first energy saving mode based on the cell barring indication;

in accordance with a determination that the cell is not barred for the first energy saving

mode, camping on the cell for a subsequent access to the second device.

10. The first device of claim 1, wherein receiving the at least one barring configuration comprises at least one of:

receiving at least a portion of the at least one barring configuration in an information block broadcast by the second device, or

receiving at least a portion of the at least one barring configuration in a message dedicated to the first device from the second device.

11. The first device of claim 1, wherein the first device is further caused to perform:

skipping applying a further barring configuration configured for a device not supporting the at least one energy saving mode of the second device.

12. The first device of claim 11, wherein skipping applying the further barring configuration is based on receiving the at least one barring configuration.

13. The first device of claim 1, wherein the first device is further caused to perform:

receiving, from the second device, an indication to skip applying a further barring configuration configured for a device not supporting the at least one energy saving mode of the second device; and

skipping applying the further barring configuration based on receiving the indication.

14. The first device of claim 1, wherein the first device comprises a terminal device and the second device comprises a network device.

15. A second device comprising:

at least one processor; and

at least one memory storing instructions that, when executed by the at least one processor, cause the second device at least to perform:

transmitting, to a first device, at least one barring configuration corresponding to at least one energy saving mode of the second device;

determining whether the second device operates in an energy saving mode of the at least one energy saving mode; and

in accordance with a determination that the second device operates in a first

energy saving mode of the at least one energy saving mode, transmitting to the first device a first mode indication that the second device operates in the first energy saving mode.

16. The second device of claim 15, wherein the second device is further caused to perform:

in accordance with a determination that the second device operates in a second energy saving mode of the at least one energy saving mode different from the first energy saving mode, transmitting to the first device a second mode indication that the second device operates in the second energy saving mode.

17. The second device of claim 15, wherein a first barring configuration, of the at least one barring configuration, corresponding to the first energy saving mode comprises a set of access barring parameters corresponding to the first energy saving mode.

18. The second device of claim 15, wherein a first barring configuration, of the at least one barring configuration, corresponding to the first energy saving mode comprises a cell barring indication of whether a cell served by the second device is barred for the first energy saving mode.

19. The second device of claim 15, wherein transmitting the at least one barring configuration comprises at least one of:

broadcasting at least a portion of the at least one barring configuration in an information block, or

transmitting, to the first device, at least a portion of the at least one barring configuration in a message dedicated to the first device.

20. A method comprising:

receiving, at a first device from a second device, at least one barring configuration corresponding to at least one energy saving mode of the second device;

receiving, from the second device, a first mode indication that the second device operates in a first energy saving mode of the at least one energy saving mode; and

performing a first operation associated with an access to the second device based on a first barring configuration, of the at least one barring configuration, corresponding to the first energy saving mode.