CLAIMS

What is claimed is:

1. A communication method performed by an access and mobility management function network element, the method comprising:

receiving indication information from a session management function network element, wherein the indication information indicates that downlink data of a first terminal device arrives at a core network side; and

when an extended discontinuous reception, eDRX, cycle of the first terminal device is greater than or equal to a first threshold, sending an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device, wherein the first access network device is any access network device in a tracking area, TA, list of the first terminal device;

wherein the capability information of the first terminal device comprises type information of a radio access technology, RAT, for accessing an access network device, the capability information of the first access network device comprises information about a first RAT used by a terminal device to access the first access network device, the type information comprises information about a first-type RAT and/or information about a second-type RAT, wherein eDRX corresponding to the first-type RAT supports a paging time window, PTW, and wherein eDRX corresponding to the second-type RAT does not support a PTW; and

the sending an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device comprises:

when the first RAT belongs to the first-type RAT, sending a first eDRX parameter to the first access network device, wherein the first eDRX parameter comprises a PTW parameter; and

when the first RAT belongs to the second-type RAT, sending a second eDRX parameter to the first access network device, wherein the second eDRX parameter does not comprise the PTW parameter.

2. The method according to claim 1, wherein the method further comprises:

receiving the capability information of the first terminal device; and

when the eDRX cycle of the first terminal device is greater than or equal to the first threshold,

sending the first eDRX parameter to the first terminal device based on the capability information of the first terminal device.

3. The method according to claim 2, wherein the receiving the capability information of the first terminal device comprises:

receiving the capability information of the first terminal device from the first terminal device.

4. The method according to claim 2, wherein the receiving the capability information of the first terminal device comprises:

receiving the capability information of the first terminal device from a second access network device, wherein the second access network device is an access network device accessed by the first terminal device when the capability information of the first terminal device is received.

5. The method according to claim 1, wherein the method further comprises:

sending, by the session management function network element, the indication information.

6. The method according to claim 1, wherein the method further comprises:

receiving, by the first access network device, the eDRX parameter.

7. A communication apparatus, comprising:

a processor; and

a memory;

wherein the processor is configured to invoke a computer program stored in the memory to implement:

receiving indication information from a session management function network element, wherein the indication information indicates that downlink data of a first terminal device arrives at a core network side; and

when an extended discontinuous reception, eDRX, cycle of the first terminal device is greater than or equal to a first threshold, sending an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device, wherein the first access network device is any access network device in a tracking area, TA, list of the first terminal device;

wherein the capability information of the first terminal device comprises type information of a radio access technology, RAT, for accessing an access network device, the capability information of the first access network device comprises information about a first RAT used by a terminal device to access the first access network device, the type information

comprises information about a first-type RAT and/or information about a second-type RAT, wherein eDRX corresponding to the first-type RAT supports a paging time window, PTW, and wherein eDRX corresponding to the second-type RAT does not support a PTW; and

the sending an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device comprises:

when the first RAT belongs to the first-type RAT, sending a first eDRX parameter to the first access network device, wherein the first eDRX parameter comprises a PTW parameter; and

when the first RAT belongs to the second-type RAT, sending a second eDRX parameter to the first access network device, wherein the second eDRX parameter does not comprise the PTW parameter

wherein the communication apparatus is one of: an access and mobility management function network element and a module in the access and mobility management function network element.

8. A communication system, comprising:

the apparatus according to claim 7; and

an apparatus that is configured to receive the eDRX parameter.

9. The communication system according to claim 8, further comprising:

an apparatus that is configured to send the indication information.

10. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program or computer instructions; and when the computer program or the computer instructions are run, the method according to any one of claims 1 to 4 is implemented.

11. A communication method, comprising:

sending, by a session management function network element, indication information to an access and mobility management function network element, wherein the indication information indicates that downlink data of a first terminal device arrives at a core network side; and

when an extended discontinuous reception, eDRX, cycle of the first terminal device is greater than or equal to a first threshold, sending, by the access and mobility management function network element, an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device, wherein the first access network device is any access network device in a tracking area,

TA, list of the first terminal device;

wherein the capability information of the first terminal device comprises type information of a radio access technology, RAT, for accessing an access network device, the capability information of the first access network device comprises information about a first RAT used by a terminal device to access the first access network device, the type information comprises information about a first-type RAT and/or information about a second-type RAT, wherein eDRX corresponding to the first-type RAT supports a paging time window, PTW, and wherein eDRX corresponding to the second-type RAT does not support a PTW; and

the sending an eDRX parameter to a first access network device based on capability information of the first terminal device and capability information of the first access network device comprises:

when the first RAT belongs to the first-type RAT, sending a first eDRX parameter to the first access network device, wherein the first eDRX parameter comprises a PTW parameter; and

when the first RAT belongs to the second-type RAT, sending a second eDRX parameter to the first access network device, wherein the second eDRX parameter does not comprise the PTW parameter.

12. The communication method according to claim 11, further comprising:

receiving, by the first access network device, the eDRX parameter.