CLAIMS

1. A method for policy determination, comprising:

receiving, by User Equipment (UE), first information transmitted by a network device, the first information comprising a first UE policy, wherein the network device divides the first UE policy into one or more sections when transmitting to the UE, wherein each section comprises one or more UE policy section contents, wherein each UE policy section content comprises one or more UE policy parts, wherein each UE policy part comprises a policy type corresponding to the first UE policy;

wherein the network device is a Policy Control Function (PCF), the first information is encapsulated into a container by the PCF for transmitting to a Core Access and Mobility Management Function (AMF), and the container is transparently transmitted to the UE by the AMF;

wherein the policy type corresponding to the first UE policy comprises at least one of a PC5 interface-based Vehicle to Everything (V2X) policy or a Uu interface-based V2X policy,

wherein the first information further comprises: a trigger condition for the UE to transmit a first request message to the network device to update the first UE policy corresponding to the policy type, wherein the UE determines when to transmit the first request message to the network device according to the trigger condition, and

wherein the trigger condition is at least one of a time from which the first UE policy expires, and a duration in which the first UE policy is valid.

2. The method of claim 1, wherein the first UE policy comprises a policy identifier (ID) and a UE policy part policy content comprising a UE policy part type field and optionally a spare bit field.

3. The method of claim 2, wherein the policy type corresponding to the first UE policy is distinguished in at least one of the UE policy part type field or the spare bit field.

4. The method of any one of claims 1 to 3, further comprising:

transmitting, by the UE, the first request message to the network device, the first request message comprising second information and the second information being configured to instruct the network device to update a policy corresponding to a target policy type;

wherein the target policy type comprises the at least one of the PC5 interface-based V2X policy or the Uu interface-based V2X policy.

5. A method for policy determination, comprising:

transmitting, by a network device, first information to User Equipment (UE), the first information comprising a first UE policy, wherein the network device divides the first UE policy into one or more sections when transmitting to the UE, wherein each section comprises one or more UE policy section contents, wherein each UE policy section content comprises one or more UE policy parts, wherein each UE policy part comprises a policy type corresponding to the first UE policy;

wherein the network device is a Policy Control Function (PCF), the first information is encapsulated into a container by the PCF for transmitting to a Core Access and Mobility Management Function (AMF), and the container is transparently transmitted to the UE by the AMF;

wherein the policy type corresponding to the first UE policy comprises at least one of a PC5 interface-based Vehicle to Everything (V2X) policy or a Uu interface-based V2X policy,

wherein the first information further comprises: a trigger condition for the UE to transmit a first request message to the network device to update the first UE policy corresponding to the policy type, wherein the UE determines when to transmit the first request message to the network device according to the trigger condition, and

wherein the trigger condition is at least one of a time from which the first UE policy expires, and a duration in which the first UE policy is valid.

6. The method of claim 5, wherein the first UE policy comprises a policy identifier (ID) and a UE policy part policy content comprising a UE policy part type field and optionally a spare bit field.

7. The method of claim 6, wherein the policy type corresponding to the first UE policy is distinguished in at least one of the UE policy part type field or the spare bit field.

8. The method of any one of claims 5 to 7, further comprising:

receiving, by the network device, the first request message transmitted by the UE; and

updating, by the network device, a policy corresponding to a target policy type based on second information included in the first request message;

wherein the target policy type comprises the at least one of the PC5 interface-based V2X policy or the Uu interface-based V2X policy.

9. A device for policy determination, for use in User Equipment (UE), comprising:

a receiving unit, configured to receive first information transmitted by a network device, the first information comprising a first UE policy, wherein the network device divides the first UE policy into one or more sections when transmitting to the UE, wherein each section comprises one or more UE policy section contents, wherein each UE policy section content comprises one or more UE policy parts, wherein each UE policy part comprises a policy type corresponding to the first UE policy;

wherein the network device is a Policy Control Function (PCF), the first information is encapsulated into a container by the PCF for transmitting to a Core Access and Mobility Management Function (AMF), and the container is transparently transmitted to the UE by the AMF;

wherein the policy type corresponding to the first UE policy comprises at least one of a PC5 interface-based Vehicle to Everything (V2X) policy or a Uu interface-based V2X policy,

wherein the first information further comprises: a trigger condition for the UE to transmit a first request message to the network device to update the first UE policy corresponding to the policy type, wherein the UE determines when to transmit the first request message to the network device according to the trigger condition, and

wherein the trigger condition is at least one of a time from which the first UE policy expires, and a duration in which the first UE policy is valid.

10. The device of claim 9, wherein the first UE policy comprises a policy identifier (ID) and a UE policy part policy content comprising a UE policy part type field and optionally a spare bit field.

11. The device of claim 10, wherein the policy type corresponding to the first UE policy is distinguished in at least one of the UE policy part type field or the spare bit field.

12. The device of any one of claims 9 to 11, further comprising:

a sending unit, configured to transmit the first request message to the network device, the first request message comprising second information and the second information being configured to instruct the network device to update a policy corresponding to a target policy type;

wherein the target policy type comprises the at least one of the PC5 interface-based V2X policy or the Uu interface-based V2X policy.

13. A device for policy determination, for use in a network device, comprising:

a sending unit, configured to transmit first information to User Equipment (UE), the first information comprising a first UE policy, wherein the network device divides the first UE policy into one or more sections when transmitting to the UE, wherein each section comprises one or more UE policy section contents, wherein each UE policy section content comprises one or more UE policy parts, wherein each UE policy part comprises a policy type corresponding to the first UE policy;

wherein the network device is a Policy Control Function (PCF), the first information is encapsulated into a container by the PCF for transmitting to a Core Access and Mobility Management Function (AMF), and the container is transparently transmitted to the UE by the AMF;

wherein the policy type corresponding to the first UE policy comprises at least one of a PC5 interface-based Vehicle to Everything (V2X) policy or a Uu interface-based V2X policy,

wherein the first information further comprises: a trigger condition for the UE to transmit a first request message to the network device to update the first UE policy corresponding to the policy type, wherein the UE determines when to transmit the first request message to the network device according to the trigger condition, and

wherein the trigger condition is at least one of a time from which the first UE policy expires, and a duration in which the first UE policy is valid.

14. The device of claim 13, wherein the first UE policy comprises a policy identifier (ID) and a UE policy part policy content comprising a UE policy part type field and optionally a spare bit field.

15. The device of claim 14, wherein the policy type corresponding to the first UE policy is distinguished in at least one of the UE policy part type field or the spare bit field.

16. The device of any one of claims 13 to 15, further comprising:

a receiving unit, configured to receive the first request message transmitted by the UE; and

a processing unit, configured to update a policy corresponding to a target policy type based on second information included in the first request message; wherein the target policy type comprises the at least one of the PC5 interface-based V2X policy or the Uu interface-based V2X policy.