CLAIMS

1. A method for policy mapping, comprising:

mapping, by user equipment (UE), all policies or part of policies used in a first mobile communication system to a policy used in a second mobile communication system,

wherein the policies used in the first mobile communication system comprise at least one of an access network discovery and selection policy (ANDSP) and a UE route selection policy (URSP).

2. The method of claim 1, wherein the policies used in the first mobile communication system at least comprise the ANDSP; and

the UE copies all contents or part of contents of the ANDSP to the second mobile communication system for use.

3. The method of claim 1 or 2, wherein the policies used in the first mobile communication system at least comprise the URSP; and

the UE maps all rules or part of rules of the URSP to the second mobile communication system for use,

wherein a first rule used in the first mobile communication system and a second rule used in the second mobile communication system correspond to a same traffic descriptor and/or rule precedence, and the second rule is obtained by mapping the first rule.

4. The method of claim 1 or 3, wherein, in response to one or more first rules of the URSP being required to be mapped, the UE maps and/or copies at least part of parameters of route selection descriptor(s) (RSD(s)) under the one or more first rules to the second mobile communication system for use.

5. The method of claim 4, wherein the RSD comprises at least one of following parameters:

a session and service continuity (SSC) mode, single network slice selection assistant information (S-NSSAI), a protocol data unit (PDU) session type, a data network name (DNN), a non-seamless offload indication, an access type preference, a valid time window, and a valid region.

6. The method of claim 5, wherein the UE maps the S-NSSAI and/or the DNN to an access point name (APN).

7. The method of claim 5 or 6, wherein the UE maps the PDU session type to a public data network (PDN) connection type.

8. The method of claim 7, wherein, under a condition that the PDU session type is an Ethernet type,

in response to an Ethernet PDN connection type being supported by UE and a network in the second mobile communication system, the UE maps the PDN connection type to the Ethernet type; or

the UE maps the PDN connection type to the non-IP type.

9. The method of claim 7 or 8, wherein, under a condition that the PDU session type is an unstructured type, the UE maps the PDN connection type to the non-IP type.

10. The method of claims 5-9, wherein the UE copies at least one of the non-seamless offload indication, the access type preference, the valid time window and the valid region to the second mobile communication system for use.

11. The method of any one of claims 5-10, wherein the UE sets the SSC mode in the RSD to be null or a first SSC mode.

12. The method of any one of claims 1-11, further comprising:

receiving, by the UE, first indication information from a network device, the first indication information indicating at least one of:

whether the UE is allowed for policy mapping or not;

a first policy required to be mapped;

a rule available for policy mapping in the first policy;

whether an RSD under each rule of the first policy is available for policy mapping or not;

a parameter available for policy mapping in the RSD; and

a parameter unavailable for policy mapping in the RSD.

13. The method of claim 12, wherein the network device is a first core network element;

and

the first indication information is sent to a second core network element by the first core network element through a first container, and the first container is sent to the UE by the second core network element through a non-access stratum (NAS) message.

14. A chip, comprising a processor, configured to call and run a computer program in a memory to enable a device installed with the chip to execute the method of any one of claims 1-12.

15. A computer-readable storage medium, configured to store a computer program, and the computer program enabling a computer to execute the method of any one of claims 1-12.