CLAIMS

1. A first network function in a first mobile communication network, the first mobile communication network supporting connectivity in an Evolved Packet System (EPS) access that has an active policy association for a user equipment (UE) with a second network function, the first network function comprising:

at least one memory; and

at least one processor coupled with the at least one memory and configured to cause the first network function to:

receive a first request comprising an active policy association request including a UE Policy Container, wherein the UE policy container includes at least one UE Route Selection Policy Rule (URSP);

determine to trigger a UE Policy Delivery to the UE, the determination based on the UE Policy Container received in the first request; and

trigger a Packet Data Network Gateway (PDN-GW) Bearer Modification without quality of service (QoS) update by sending a second request to a third network function wherein the second request is an Update Bearer Request that includes the UE Policy Container within a Protocol Configuration, wherein the second request includes the at least one URSP rule, and wherein an extended configuration options information element includes a container identifier that indicates the UE Policy Container is included within the extended configuration options information element.

2. The first network function of claim 1, wherein the Protocol Configuration comprises an extended Protocol Configuration Options (ePCO) information element.

3. The first network function of claim 1, wherein the container identifier indicates that the UE Policy Container has a length of two octets.

4. The first network function of claim 1 or 3, wherein the second request includes the container identifier in an Extended Protocol Configuration Options (ePCO) information element of the Update Bearer Request.

5. The first network function of any of claims 1 to 3, wherein the second request comprises an Update Bearer Request that neither includes the Bearer Level QoS information element nor modifies the Bearer Level QoS information element of a Bearer Context.

6. A method performed by a first network function in a first mobile communication network, the first mobile communication network supporting connectivity in an Evolved Packet System (EPS) access that has an active policy association for a user equipment (UE) with a second network function, the method comprising:

receiving a first request comprising an active policy association request including a UE Policy Container, wherein the UE policy container includes at least one UE Route Selection Policy Rule (URSP);

determining to trigger a UE Policy Delivery to the UE the determination based on the UE Policy Container received in the first request; and

triggering a Packet Data Network Gateway (PDN-GW) Bearer Modification without quality of service (QoS) update by sending a second request to a third network function wherein the second request is an Update Bearer Request that includes the UE Policy Container within a Protocol Configuration, wherein the second request includes the at least one URSP rule, and wherein an extended configuration options information element includes a container identifier that indicates the UE Policy Container is included within the extended configuration options information element.

7. The method of claim 6, wherein the Protocol Configuration comprises an extended Protocol Configuration Options (ePCO) information element.

8. A third network function in a first mobile communication network, the first mobile communication network supporting connectivity in an Evolved Packet System (EPS) access that has an active bearer association for a UE with a fourth network function, the third network function comprising:

at least one memory; and

at least one processor coupled with the at least one memory and configured to cause the third network function to:

receive a third request from the fourth network function, the third request including a UE Policy Container, and where the third request is an Update Bearer request that has no QoS related information included, wherein the third request includes at least one URSP rule, and wherein an extended configuration options information element includes a container identifier that indicates the UE Policy Container is included within the extended configuration options information element; and

send a fourth request towards the UE, where the fourth request is a Modify EPS Bearer Context request that includes the UE Policy Container within a Protocol Configuration Options of the Modify EPS Bearer Context request.

9. The third network function of claim 8, wherein the UE policy container includes at least one UE Route Selection Policy Rule (URSP).

10. The third network function of claim 9, wherein the fourth request includes the at least one URSP rule.

11. The third network function of claim 8, wherein the Protocol Configuration comprises an extended Protocol Configuration Options (ePCO) information element.

12. The third network function of claim 8, wherein the container identifier may indicate that the UE Policy Container has a length of two octets.

13. The third network function of claim 8 or 12, wherein the fourth request may include the container identifier in an Extended Protocol Configuration Options (ePCO) information element of the Update Bearer Request.

14. A method performed by a third network function in a first mobile communication network, the first mobile communication network supporting connectivity in an Evolved Packet System (EPS) access that has an active bearer association for a UE with a fourth network function, the method comprising:

receiving a third request from the fourth network function, the third request including a UE Policy Container, and where the third request is an Update Bearer request that has no QoS related information included, wherein the third request includes at least one URSP rule, and wherein an extended configuration options information element includes a container identifier that indicates the UE Policy Container is included within the extended configuration options information element; and

sending a fourth request towards the UE, where the fourth request is a Modify EPS Bearer Context request that includes the UE Policy Container within a Protocol Configuration Options of the Modify EPS Bearer Context request.