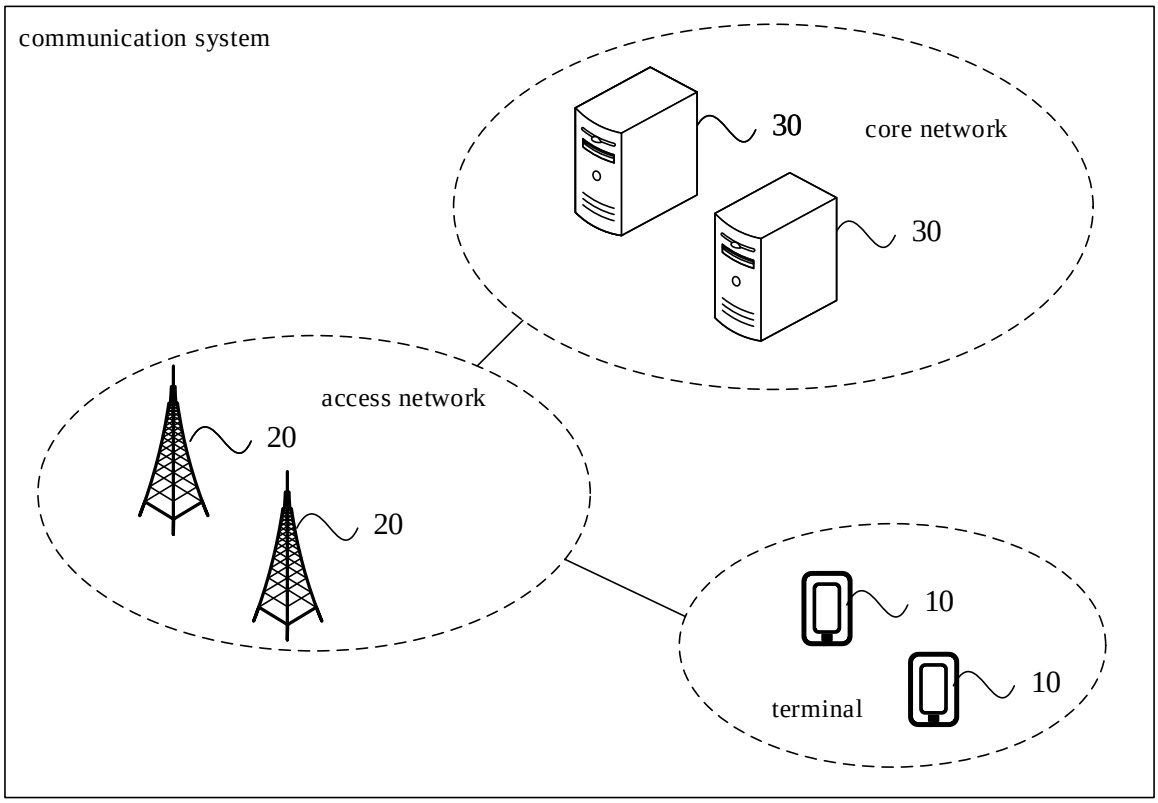

communication system
30
core network
30
access network
20
20
10
10
terminal

FIG. 1

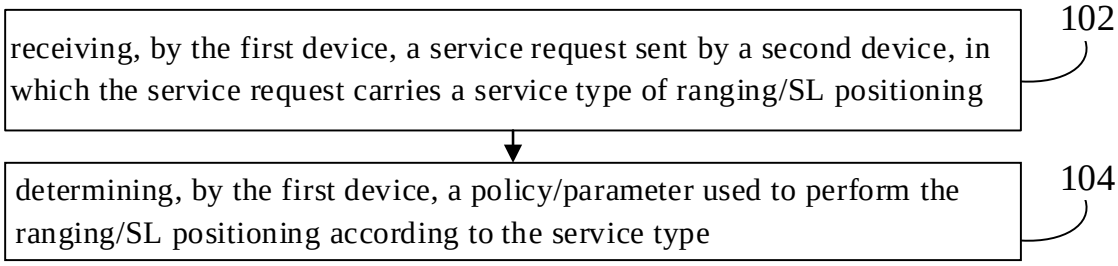

receiving, by the first device, a service request sent by a second device, in which the service request carries a service type of ranging/SL positioning
102
determining, by the first device, a policy/parameter used to perform the ranging/SL positioning according to the service type
104

FIG. 2

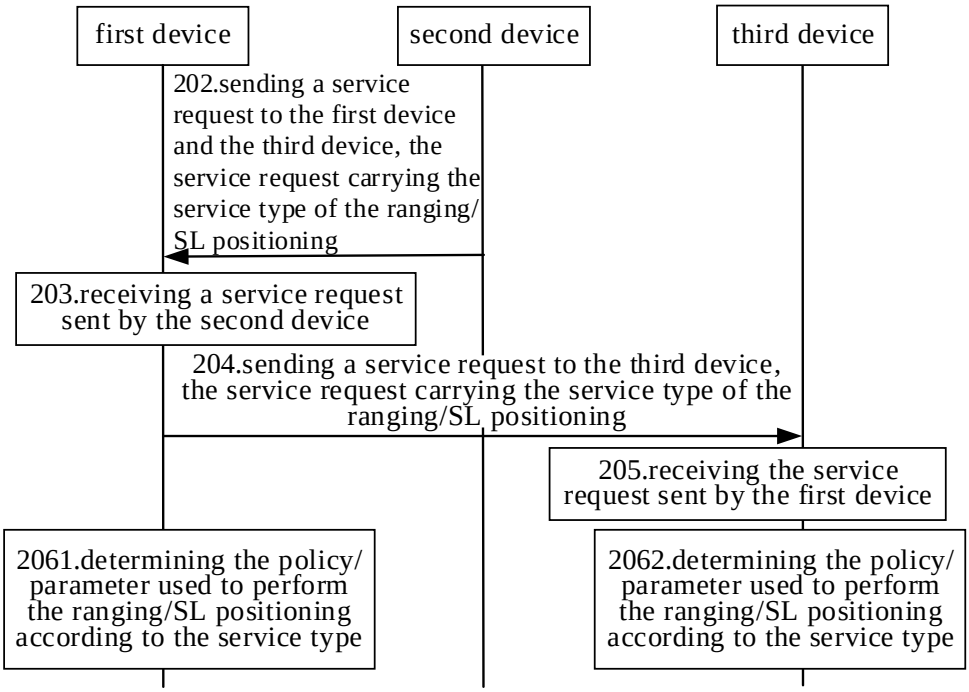

first device
second device
third device
202.sending a service request to the first device and the third device, the service request carrying the service type of the ranging/SL positioning
203.receiving a service request sent by the second device
204.sending a service request to the third device, the service request carrying the service type of the ranging/SL positioning
205.receiving the service request sent by the first device
2061.determining the policy/parameter used to perform the ranging/SL positioning according to the service type
2062.determining the policy/parameter used to perform the ranging/SL positioning according to the service type

FIG. 3

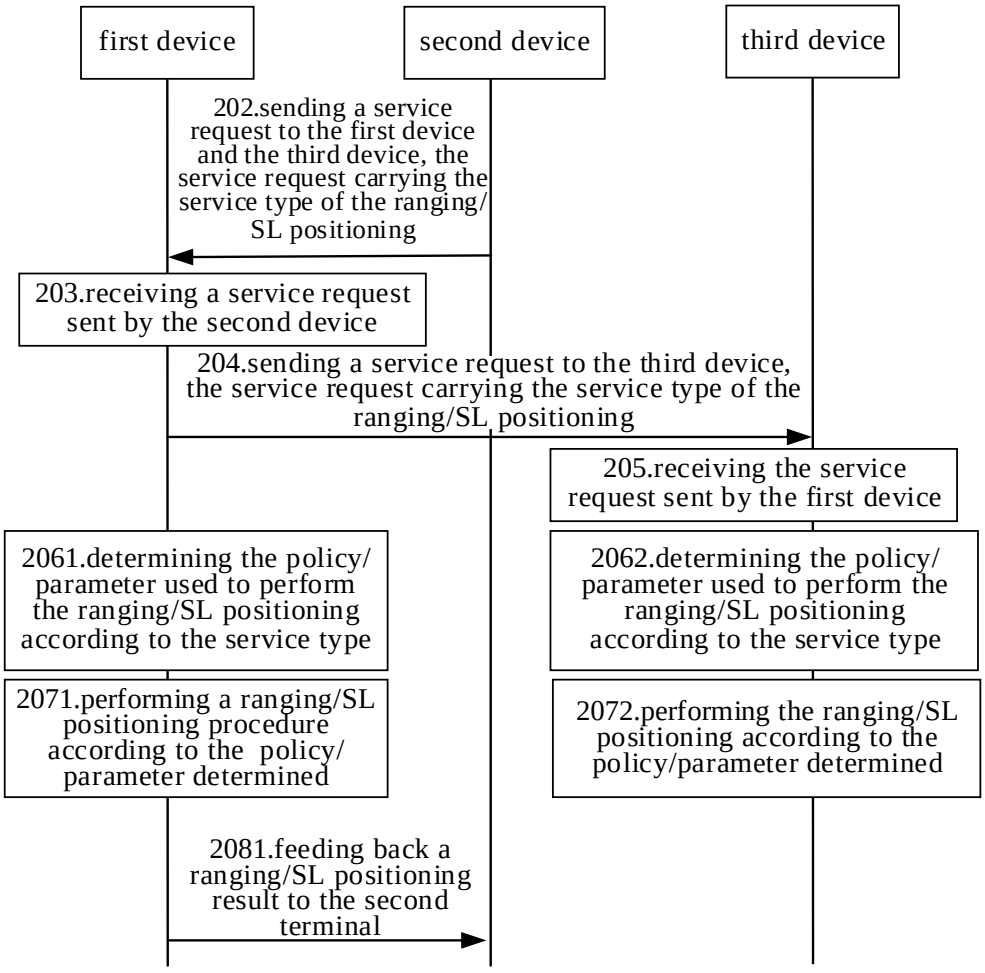

first device
second device
third device
202.sending a service request to the first device and the third device, the service request carrying the service type of the ranging/SL positioning
203.receiving a service request sent by the second device
204.sending a service request to the third device, the service request carrying the service type of the ranging/SL positioning
205.receiving the service request sent by the first device
2061.determining the policy/parameter used to perform the ranging/SL positioning according to the service type
2062.determining the policy/parameter used to perform the ranging/SL positioning according to the service type
2071.performing a ranging/SL positioning procedure according to the policy/parameter determined
2072.performing the ranging/SL positioning according to the policy/parameter determined
2081.feeding back a ranging/SL positioning result to the second terminal

FIG. 4

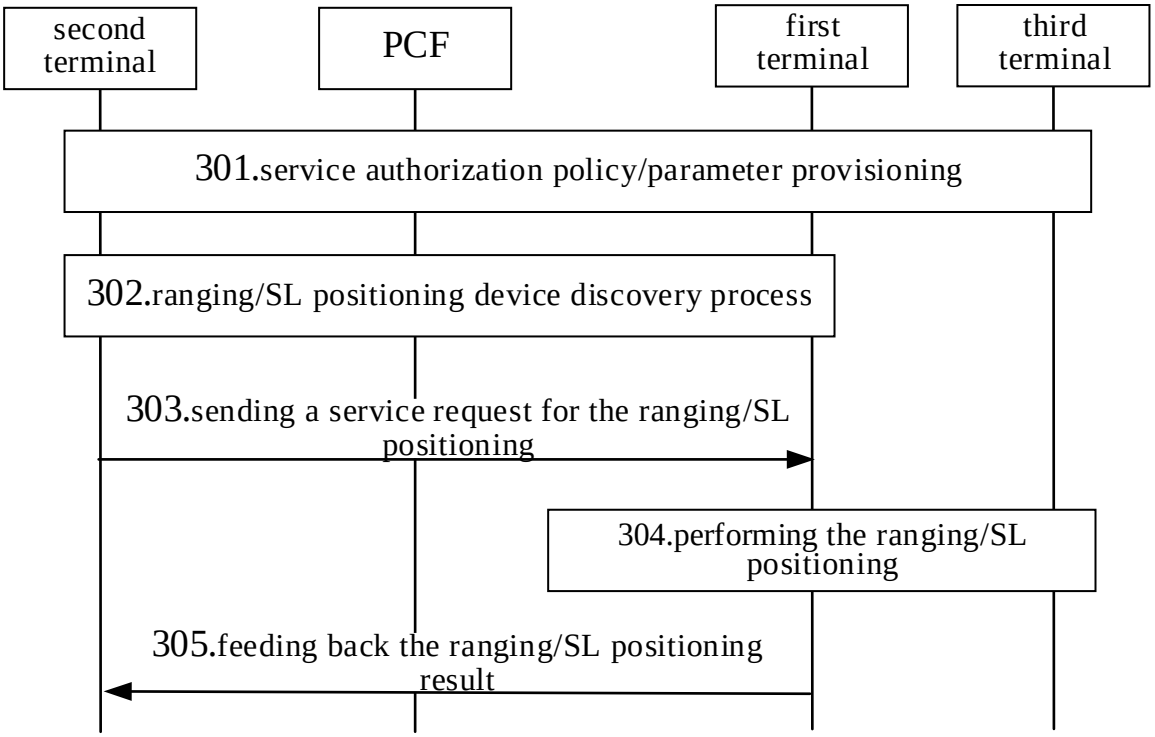

second terminal
PCF
first terminal
third terminal
301.service authorization policy/parameter provisioning
302.ranging/SL positioning device discovery process
303.sending a service request for the ranging/SL positioning
304.performing the ranging/SL positioning
305.feeding back the ranging/SL positioning result

FIG. 5

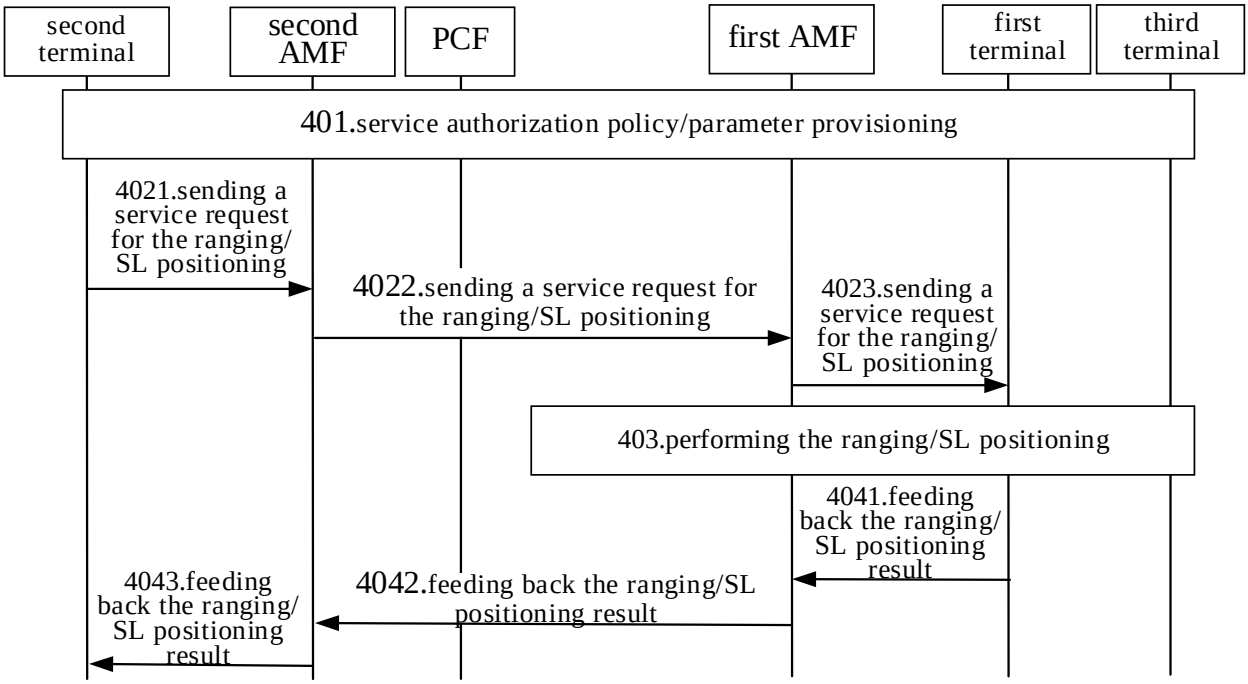

second terminal
second AMF
PCF
first AMF
first terminal
third terminal
401.service authorization policy/parameter provisioning
4021.sending a service request for the ranging/ SL positioning
4022.sending a service request for the ranging/SL positioning
4023.sending a service request for the ranging/ SL positioning
403.performing the ranging/SL positioning
4041.feeding back the ranging/ SL positioning result
4042.feeding back the ranging/SL positioning result
4043.feeding back the ranging/ SL positioning result

FIG. 6

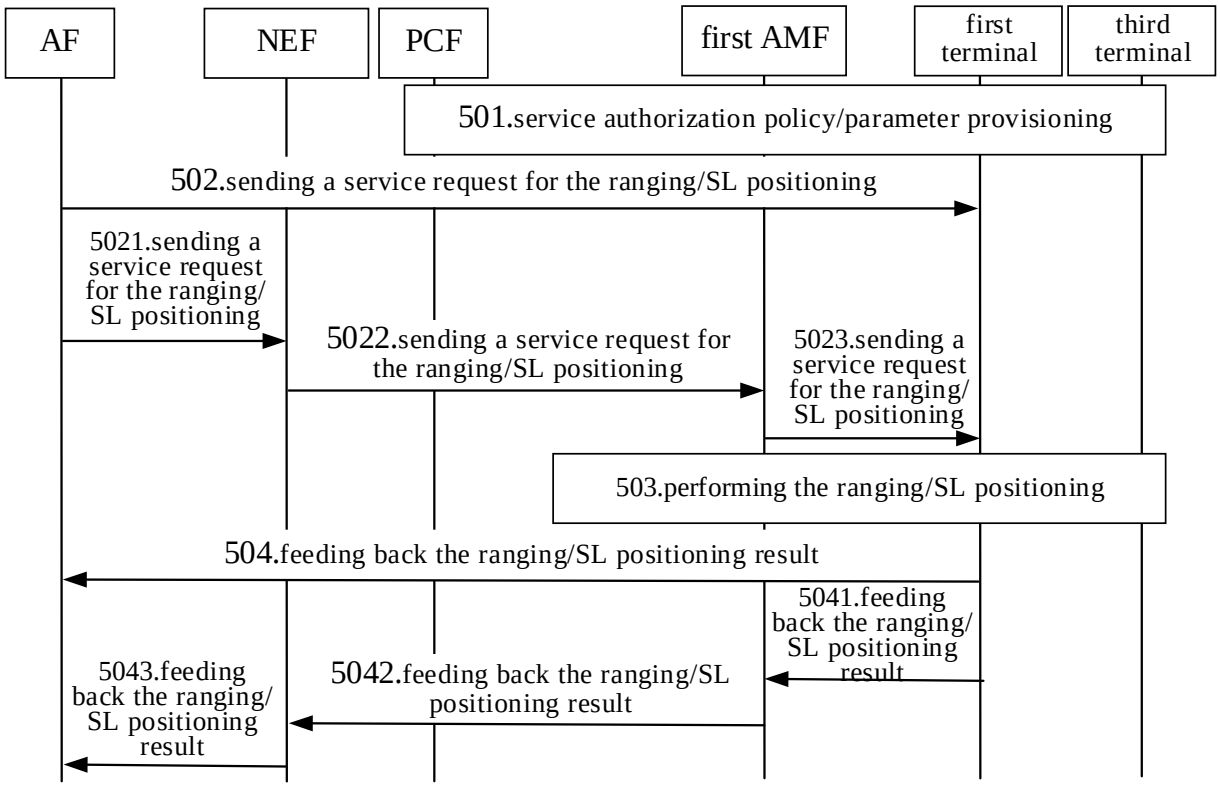

AF
NEF
PCF
first AMF
first terminal
third terminal
501.service authorization policy/parameter provisioning
502.sending a service request for the ranging/SL positioning
5021.sending a service request for the ranging/ SL positioning
5022.sending a service request for the ranging/SL positioning
5023.sending a service request for the ranging/ SL positioning
503.performing the ranging/SL positioning
504.feeding back the ranging/SL positioning result
5041.feeding back the ranging/ SL positioning result
5043.feeding back the ranging/ SL positioning result
5042.feeding back the ranging/SL positioning result

FIG. 7

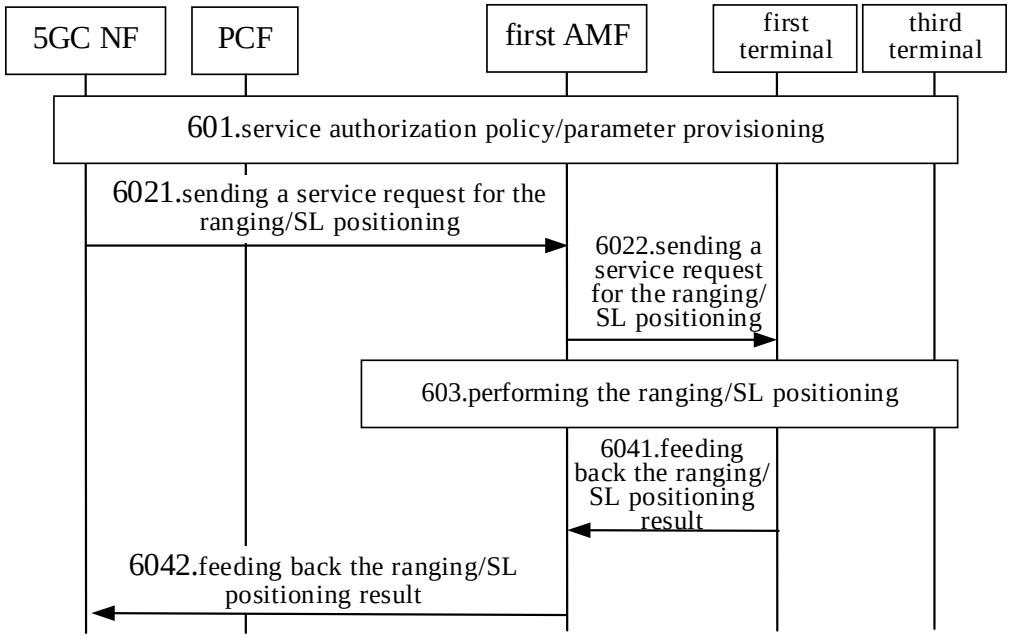

5GC NF
PCF
first AMF
first terminal
third terminal
601.service authorization policy/parameter provisioning
6021.sending a service request for the ranging/SL positioning
6022.sending a service request for the ranging/ SL positioning
603.performing the ranging/SL positioning
6041.feeding back the ranging/ SL positioning result
6042.feeding back the ranging/SL positioning result

FIG. 8

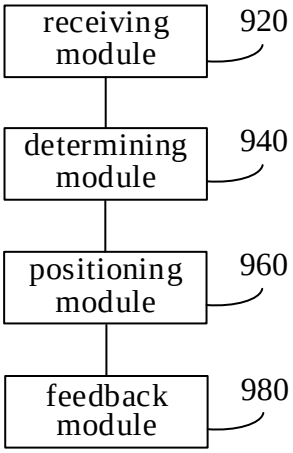


FIG. 9

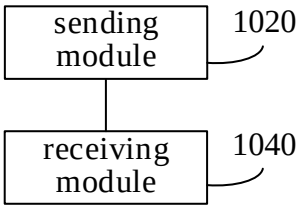


FIG. 10

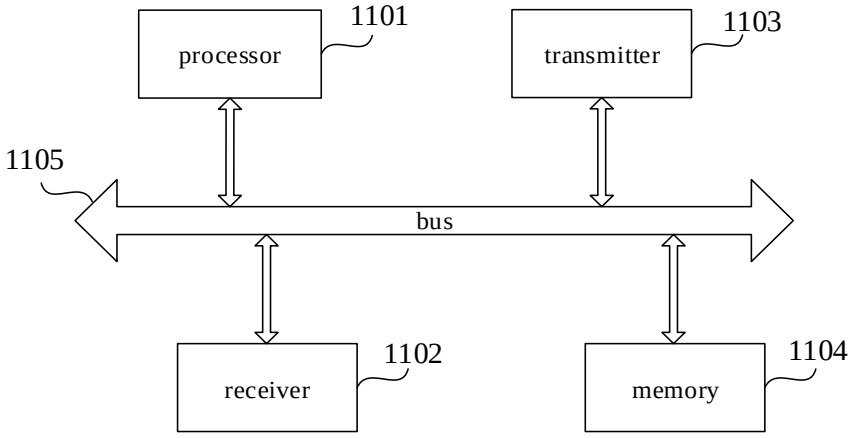


FIG. 11