

ABSTRACT

Embodiments of this application provide a communication method, an apparatus, and a system, to resolve a PC5 unicast establishment failure due to inconsistency between security parameters of terminal devices at two ends in a V2X scenario with security negotiation introduced into a PC5 unicast establishment procedure. The communication method includes: A first direct communication discovery name management function network element obtains a security parameter of a first terminal device. A security parameter is required for establishing a PC5 connection between the first terminal device and a second terminal device. The first direct communication discovery name management function network element receives a security parameter of the second terminal device from a second direct communication discovery name management function network element. The first direct communication discovery name management function network element determines, based on whether the security parameter of the first terminal device matches the security parameter of the second terminal device, whether the first terminal device and the second terminal device support mutual communication.

FIGURE 7