WHAT IS CLAIMED IS:

1. A method for sidelink (SL) communication, performed by a first device, comprising:

in an autonomous resource allocation mode, removing a first resource from an SL grant in a case that a re-evaluation indication or a pre-emption indication of the first resource in the SL grant for sending an SL positioning reference signal (PRS) is obtained.

2. The method of claim 1, further comprising:

determining a second resource from a transmitting resource pool; and

adding the second resource to the SL grant.

3. The method of claim 1 or 2, further comprising:

before a first period previous to a time unit where SL control information (SCI) for indicating the first resource is located, performing re-evaluation or pre-emption check on the first resource, to obtain a re-evaluation result or a pre-emption check result; and

obtaining the re-evaluation indication or the pre-emption indication based on the re-evaluation result or the pre-emption check result,

wherein the first period is an SL processing time.

4. The method of claim 3, wherein the SCI comprises at least one of first-stage SCI or second-stage SCI.

5. The method of any one of claims 2 to 4, wherein removing the first resource from the SL grant comprises:

removing the first resource from the SL grant in a case that the re-evaluation indication of the first resource is obtained and the first device did not send SCI for indicating the first resource to a second device; and

removing the first resource from the SL grant in a case that the pre-emption indication of the first resource is obtained and the first device sent the SCI for indicating the first resource to a second device.

6. The method of claim 5, wherein determining the second resource from the transmitting resource pool comprises:

determining at least one third resource from the transmitting resource pool, wherein a first resource set formed by the at least one third resource and a fourth resource meets a first preset condition, and the fourth resource is a resource in the SL grant other than the first resource; and

randomly selecting the second resource from the at least one resource.

7. The method of claim 6, wherein the first preset condition comprises at least one of:

a number of resources in the first resource set meeting a frequency domain resource number condition;

a number of retransmissions of the SL PRS corresponding to the first resource set meeting a retransmission number condition;

sending the SL PRS using the first resource set being able to be completed within a delay requirement;

a time interval between two resources in the first resource set meeting a minimum time interval requirement; or

resources in the first resource set being capable of indicating by the SCI for retransmission.

8. The method of any one of claims 5 to 7, wherein,

the second resource is located after the first resource, and the second resource is located within a discontinuous reception (DRX) active period of the second device in a case that the first device is configured with SL DRX, and the second device is a receiving device of the SL PRS.

9. The method of any one of claims 3 to 8, wherein obtaining the re-evaluation indication or the pre-emption indication based on the re-evaluation result or the pre-emption check result comprises:

obtaining the re-evaluation indication in a case that the re-evaluation result indicates that the first resource does not belong to a candidate resource set.

10. The method of any one of claims 3 to 9, further comprising:

receiving SCI sent by a third device, wherein the SCI indicates a fifth resource; and

removing the first resource from the candidate resource set in a case that the fifth resource meets a second preset condition.

11. The method of claim 10, wherein the second preset condition comprises at least one of:

the SCI indicating a resource reservation period of the fifth resource and a reception priority of the fifth resource;

the fifth resource overlapping with the first resource; or

a measurement result of the fifth resource being greater than or equal to a first threshold.

12. The method of claim 11, wherein obtaining the re-evaluation indication or the pre-emption indication based on the re-evaluation result or the pre-emption check result

comprises:

obtaining the pre-emption indication in a case that the first resource is removed from the candidate resource set, the first device starts a pre-emption function, and the reception priority of the fifth resource is greater than a transmitting priority of the first resource; or

obtaining the pre-emption indication in a case that the first resource is removed from the candidate resource set, the first device does not start a pre-emption function, the reception priority of the fifth resource is greater than a transmitting priority of the first resource, and a reception priority of the first resource is greater than a priority of the pre-emption function.

13. The method of claim 12, wherein the pre-emption function of the first device is used independently for the SL PRS, or the pre-emption function of the first device is used for both the SL PRS and SL data.

14. The method of any one of claims 9 to 13, further comprising:

performing sensing on resources in the transmitting resource pool, to obtain a sensing result; and

determining the candidate resource set based on the sensing result.

15. A first device, comprising:

a processor; and

a memory for storing executable instructions by the processor,

wherein the processor is configured to execute the method of any one of claims 1 to 14.