WHAT IS CLAIMED IS:

1. A method for allocating beam failure detection resources, comprising:

determining control channel resource sets (CORESETs) configured by a network device for a terminal;

determining whether each CORESET is configured with a higher layer signaling index;

dividing the CORESETs having the same higher layer signaling index into the same group in response to each CORESET being configured with the higher layer signaling index;

in response to a number of the CORESETs in a group being greater than a number of beam failure detection (BFD) resources supported by the terminal, selecting target CORESETs with a number of the BFD resources; and

determining reference signal (RS) resources corresponding to transmission configuration indication (TCI) states of quasi co-locations (QCLs) of the selected target CORESETs as BFD RS resources.

2. The method of claim 1, further comprising:

dividing all the CORESETs into one group in response to an CORESET not being configured with the higher layer signaling index.

3. The method of claim 1, wherein selecting the target CORESETs with the number of the BFD resources comprises:

in response to a number of CORESETs in the group being less than or equal to the number of BFD resources supported by the terminal, determining all the CORESETs in the group as the target CORESETs; and

in response to the number of CORESETs in the group being greater than the number of BFD resources supported by the terminal, selecting the CORESETs with the number of BFD resources in a specified priority order as the target CORESETs.

4. The method of claim 3, wherein the specified priority order comprises one or more of:

a priority order of identifier (ID) numbers of the CORESETs from small to large;

a priority order of priorities corresponding to a cell common search space CORESET, a group common search space CORESET, and a user specific search space CORESET from high to low; and

a priority order of intervals of monitoring the CORESETs by the terminal from small to large.

5. A device for allocating beam failure detection resources, comprising:

a processor;

a memory configured to store instructions executable by the processor; wherein,

the processor is configured to implement the method for allocating beam failure detection resources according to any one of claims 1 to 4.