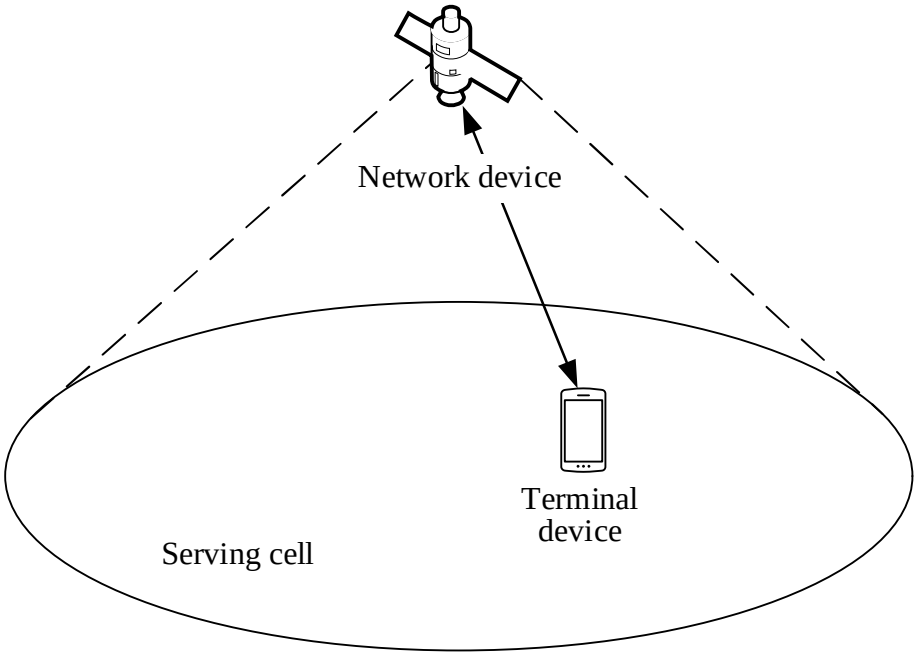

Network device
Terminal device
Serving cell

FIG. 1

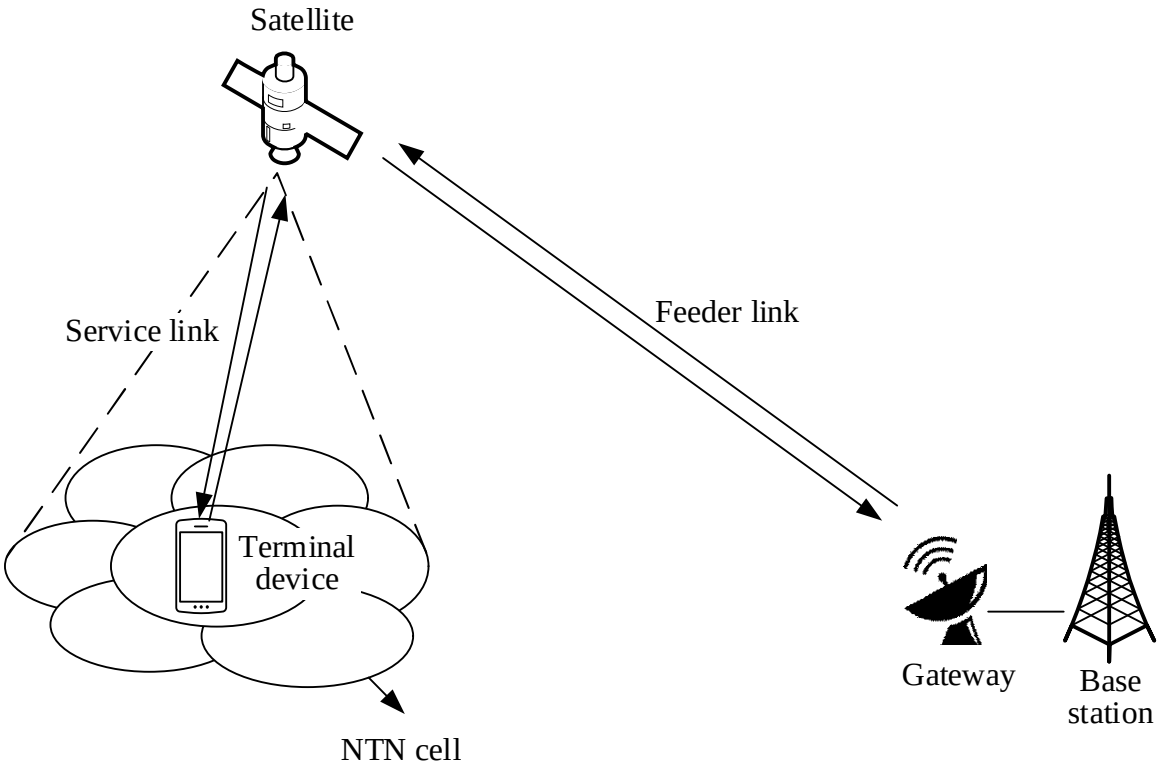

Satellite
Service link
Feeder link
Terminal device
Gateway
Base station
NTN cell

FIG. 2

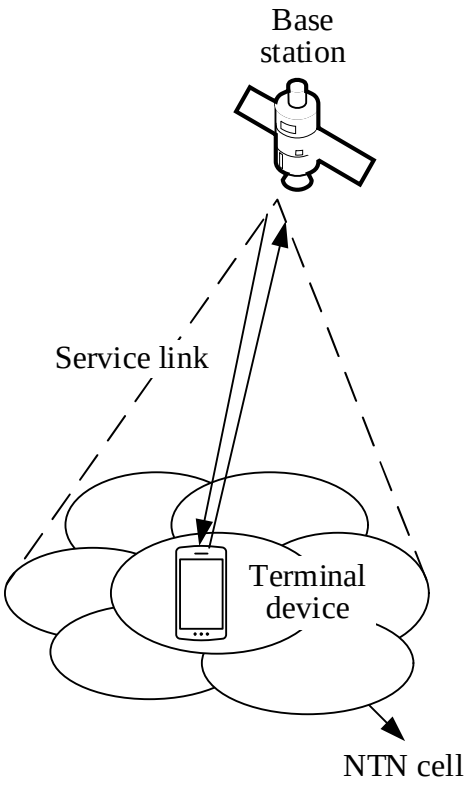

Base
station
Service link
Terminal
device
NTN cell

FIG. 3

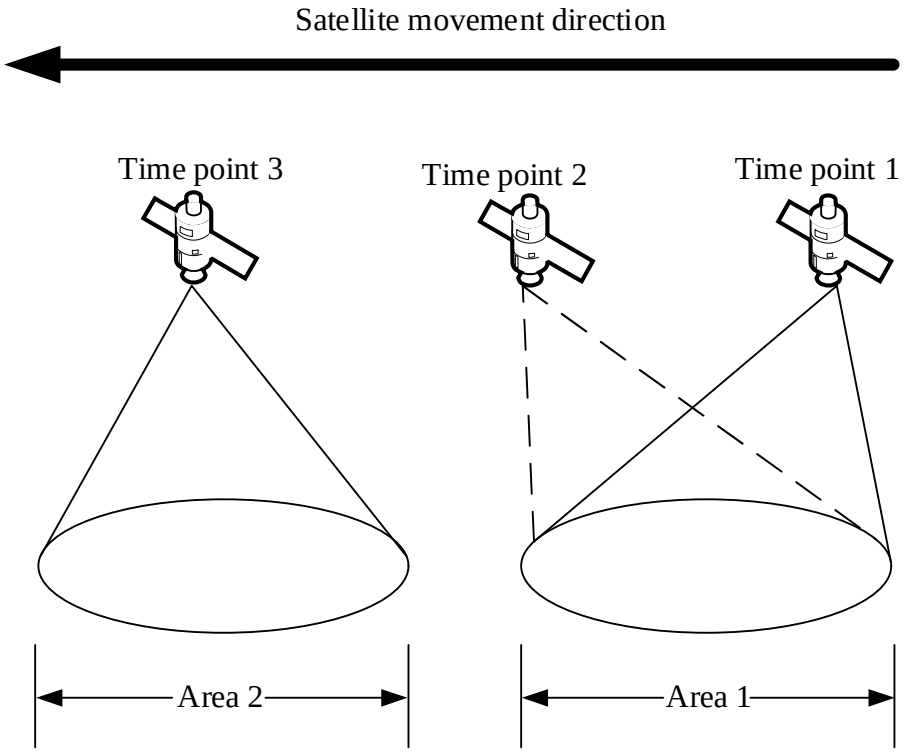

Satellite movement direction
Time point 3
Time point 2
Time point 1
Area 2
Area 1

FIG. 4

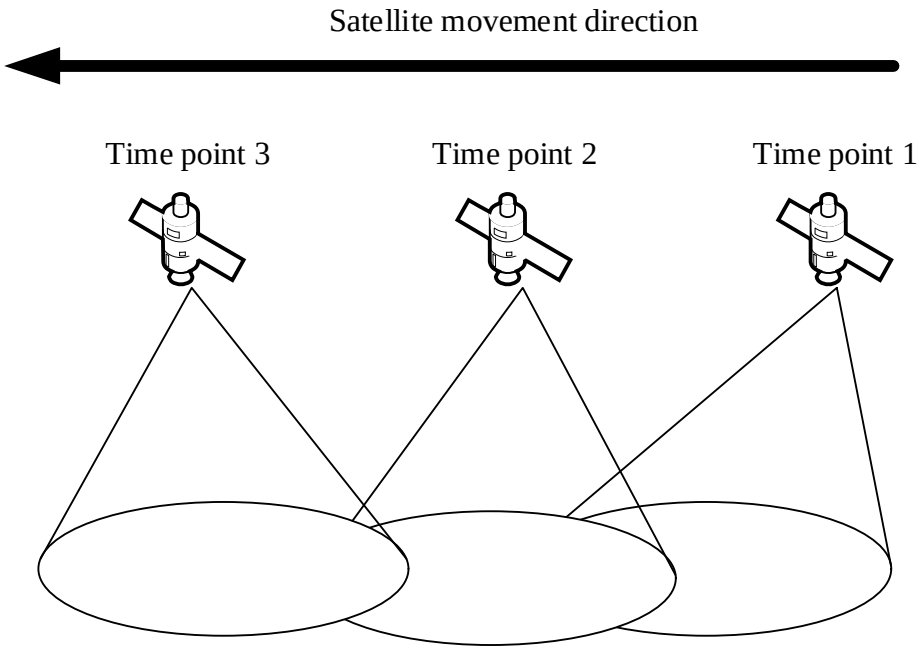

Satellite movement direction
Time point 3
Time point 2
Time point 1

FIG. 5

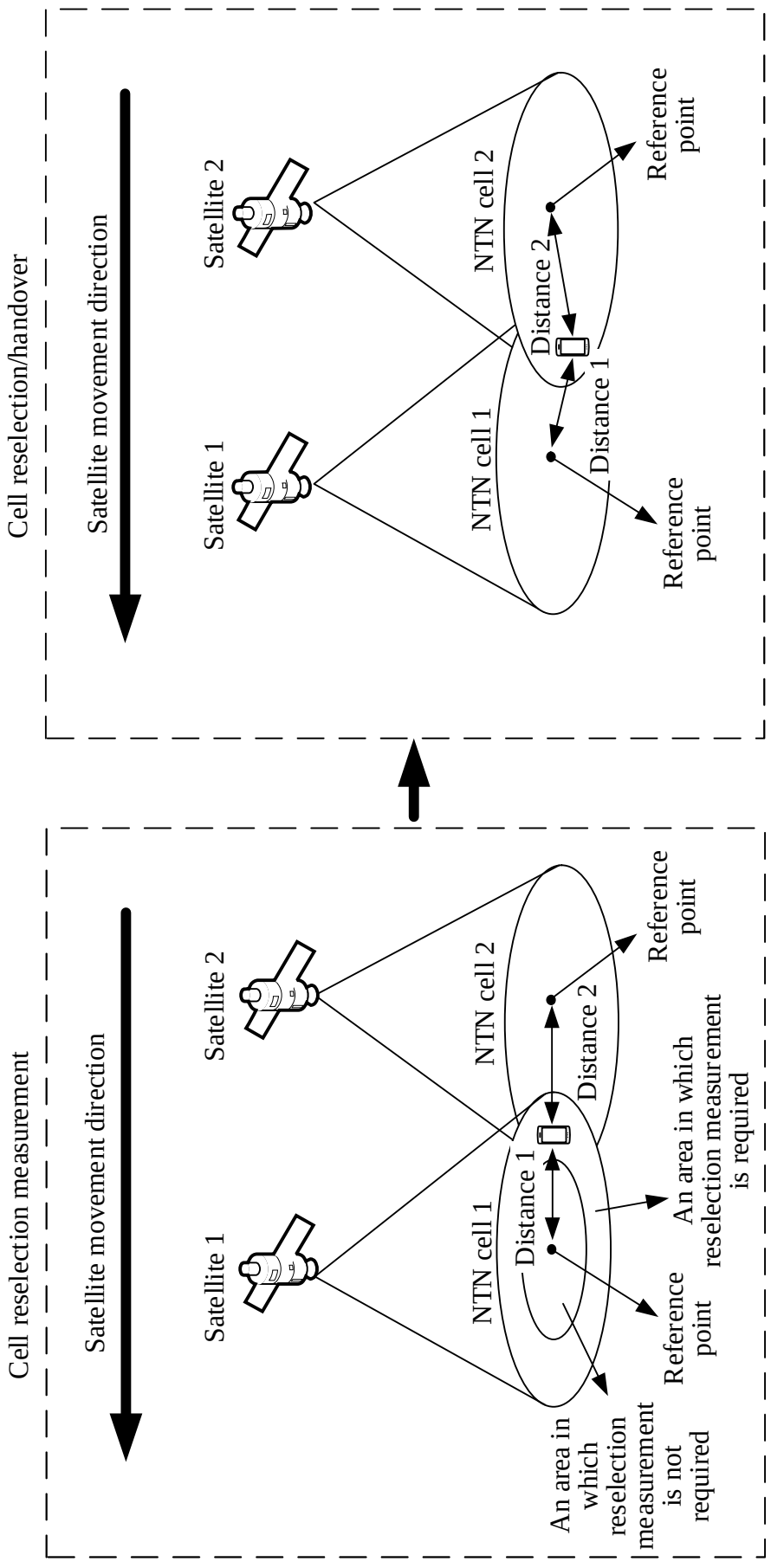

Cell reselection measurement
Satellite movement direction
Satellite 1
Satellite 2
NTN cell 1
NTN cell 2
Distance 1
Distance 2
Reference point
Reference point
An area in which reselection measurement is required
An area in which reselection measurement is not required
Cell reselection/handover
Satellite movement direction
Satellite 1
Satellite 2
NTN cell 1
NTN cell 2
Distance 1
Distance 2
Reference point
Reference point

FIG. 6

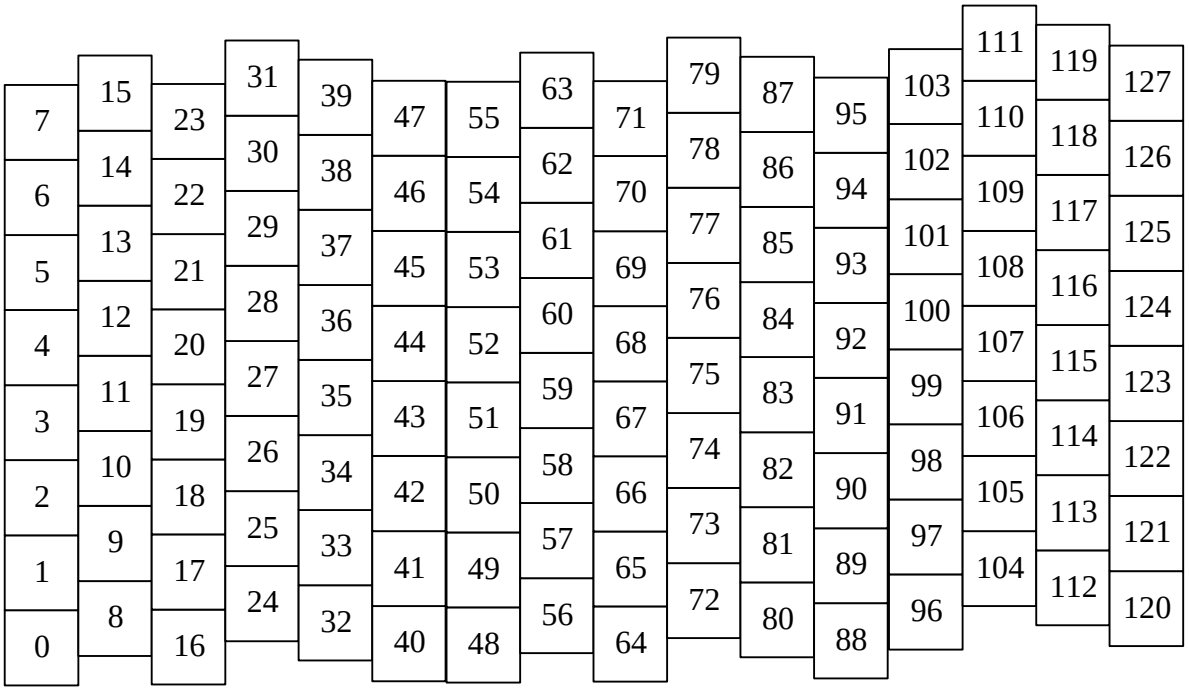

0 1 2 3 4 5 6 7
8 9 10 11 12 13 14 15
16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31
32 33 34 35 36 37 38 39
40 41 42 43 44 45 46 47
48 49 50 51 52 53 54 55
56 57 58 59 60 61 62 63
64 65 66 67 68 69 70 71
72 73 74 75 76 77 78 79
80 81 82 83 84 85 86 87
88 89 90 91 92 93 94 95
96 97 98 99 100 101 102 103
104 105 106 107 108 109 110 111
112 113 114 115 116 117 118 119
120 121 122 123 124 125 126 127

FIG. 7

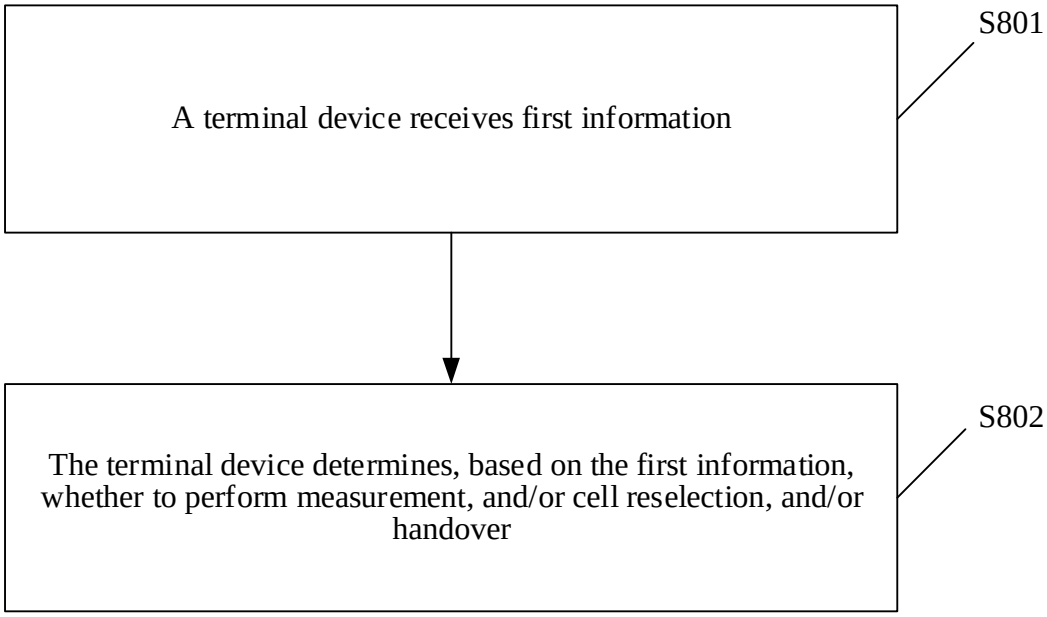

A terminal device receives first information
S801
The terminal device determines, based on the first information, whether to perform measurement, and/or cell reselection, and/or handover
S802

FIG. 8

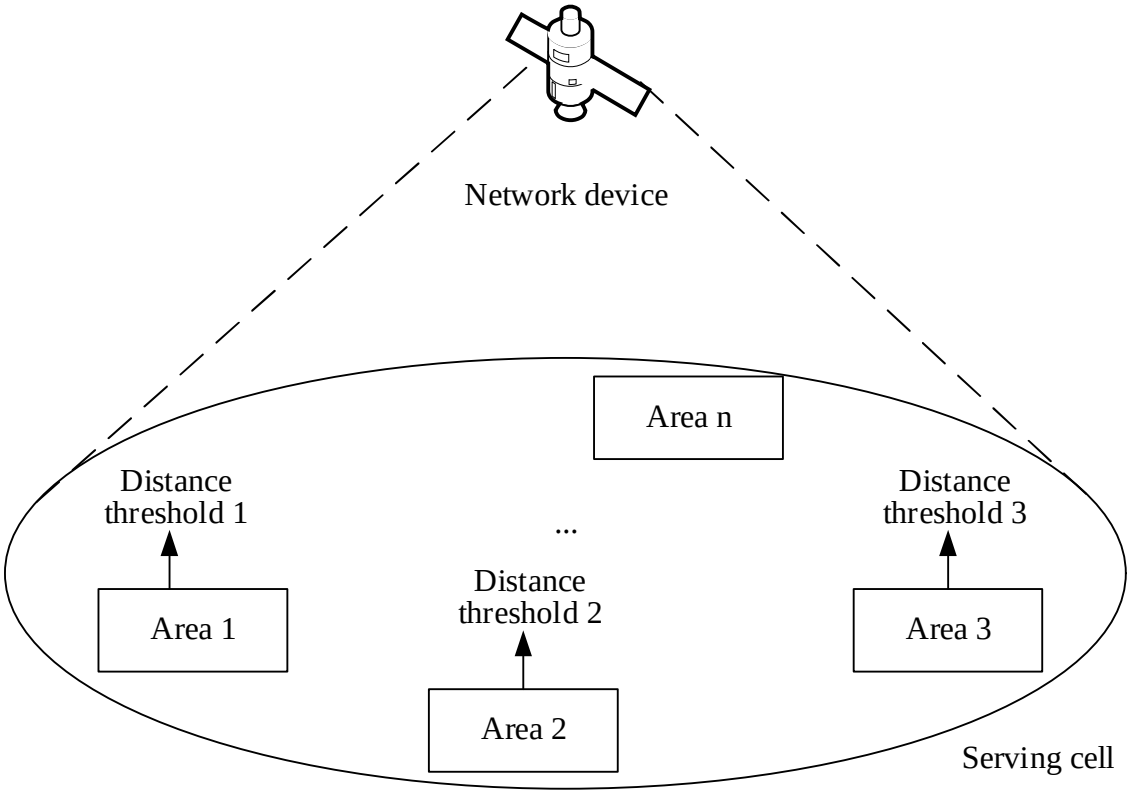

Network device
Area n
Distance threshold 1
...
Distance threshold 3
Distance threshold 2
Area 1
Area 3
Area 2
Serving cell

FIG. 9

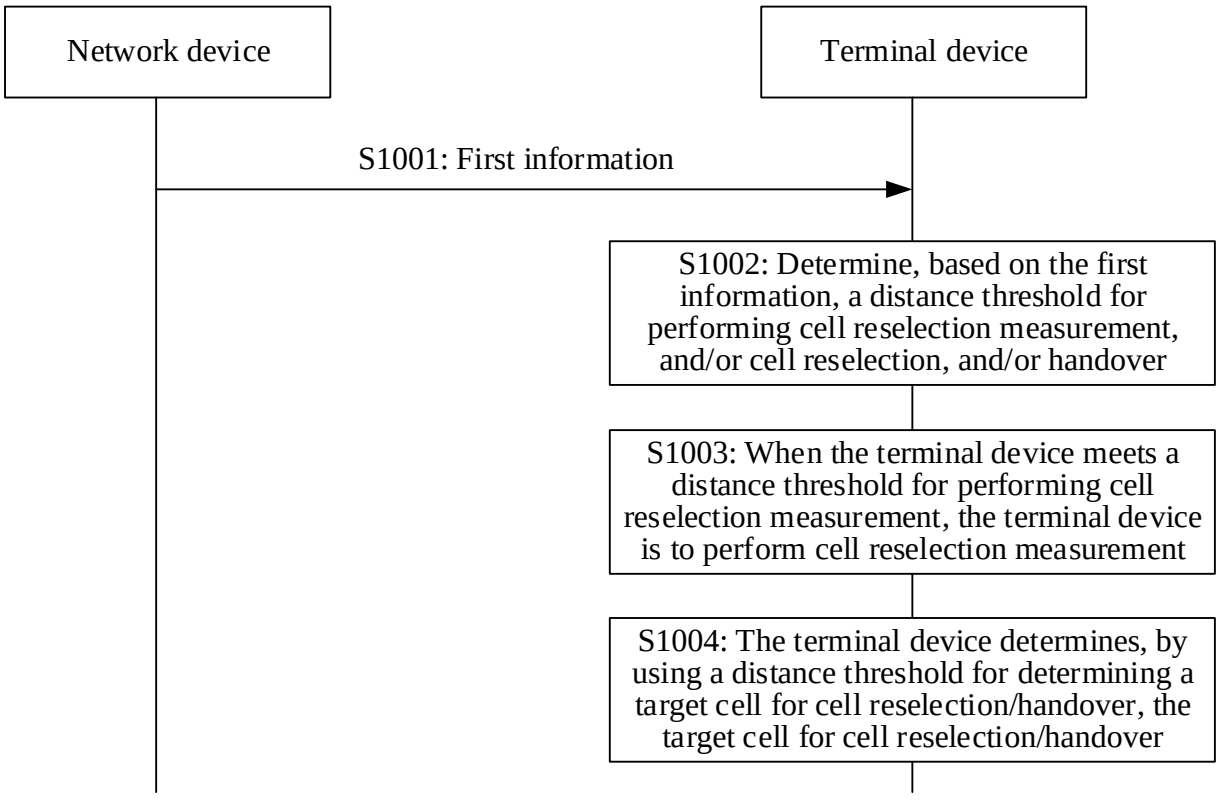

Network device
Terminal device
S1001: First information
S1002: Determine, based on the first information, a distance threshold for performing cell reselection measurement, and/or cell reselection, and/or handover
S1003: When the terminal device meets a distance threshold for performing cell reselection measurement, the terminal device is to perform cell reselection measurement
S1004: The terminal device determines, by using a distance threshold for determining a target cell for cell reselection/handover, the target cell for cell reselection/handover

FIG. 10

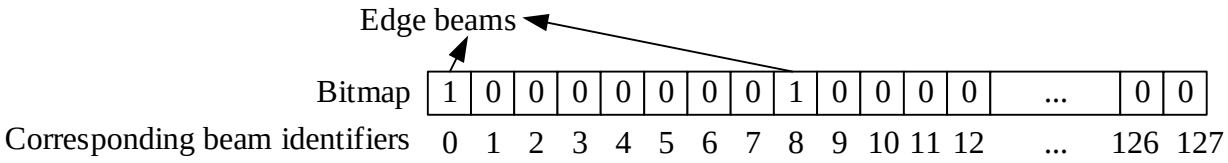


FIG. 11

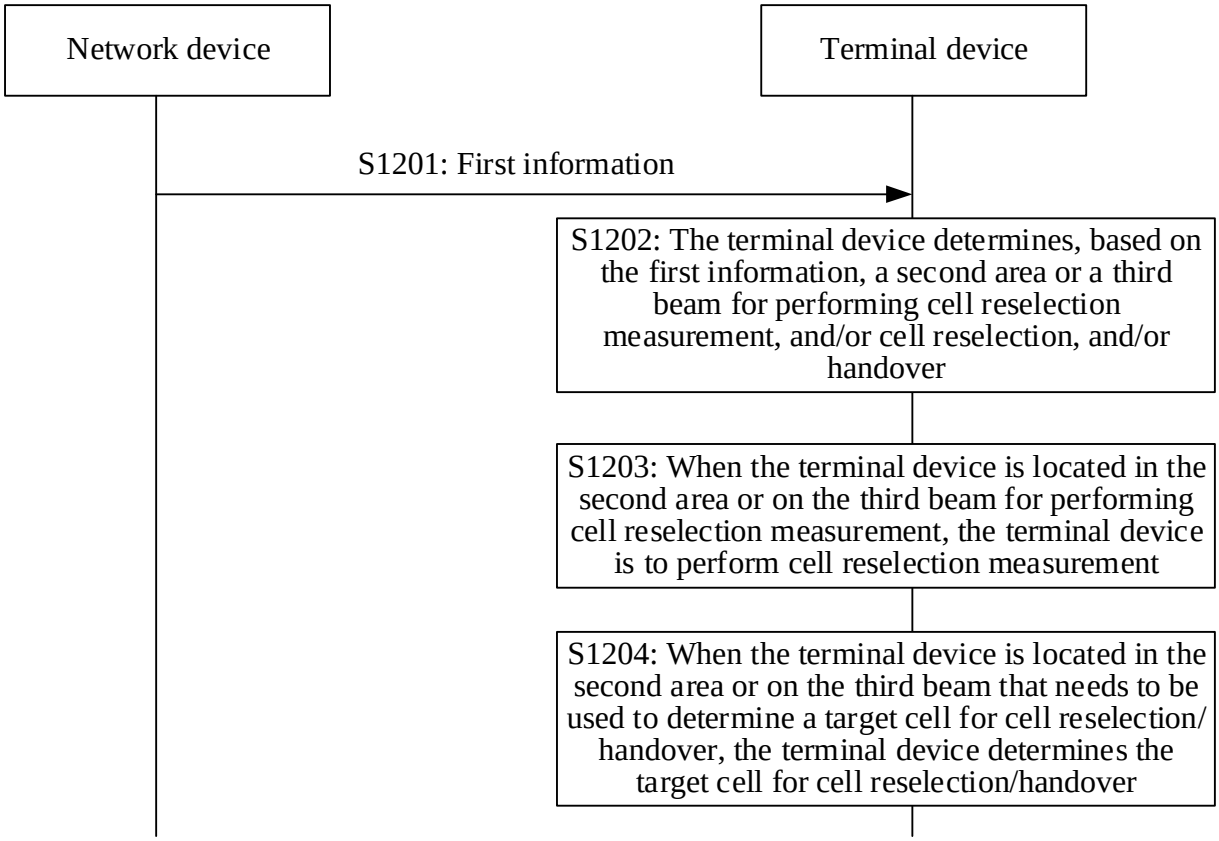


FIG. 12

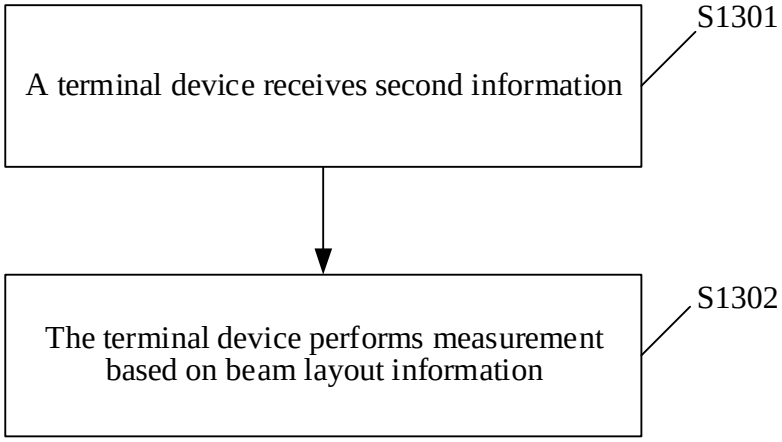


FIG. 13

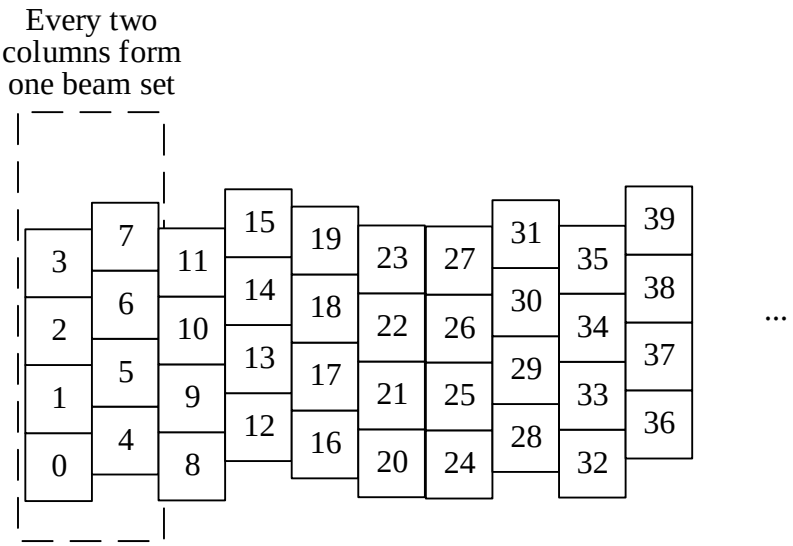


FIG. 14

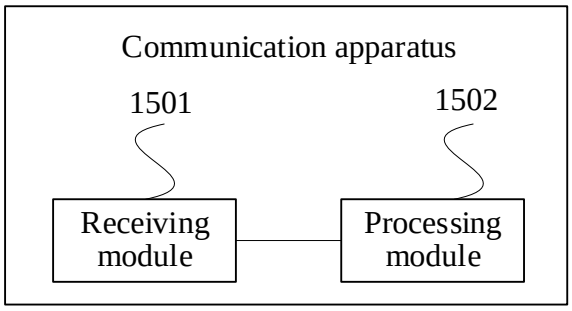


FIG. 15

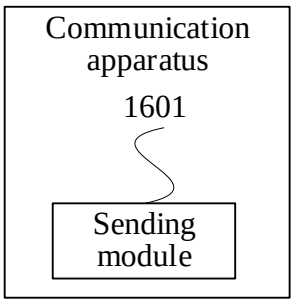


FIG. 16

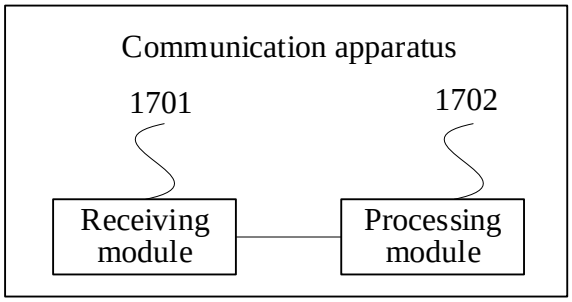


FIG. 17

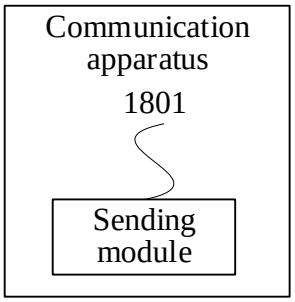


FIG. 18

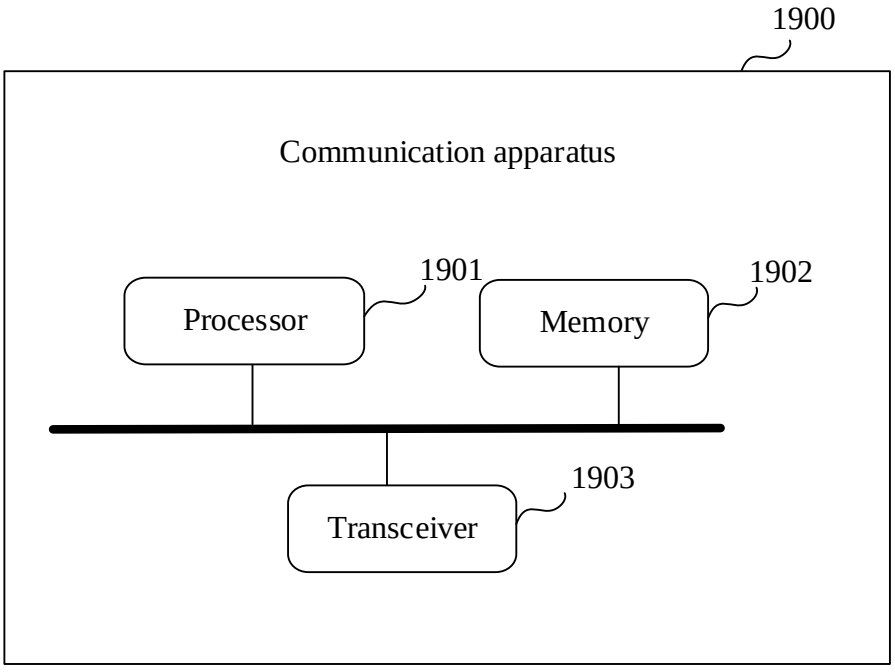


FIG. 19