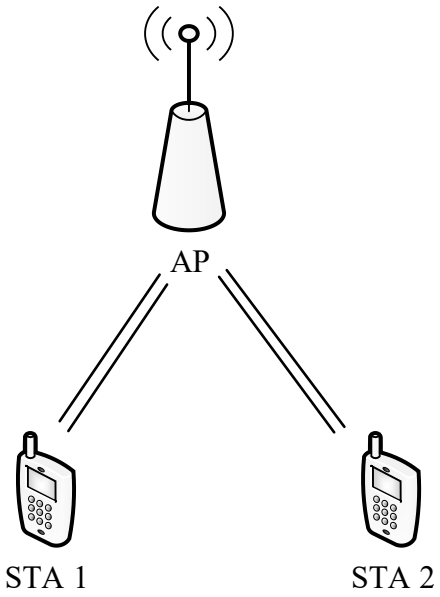

AP
STA 1
STA 2

FIG. 1

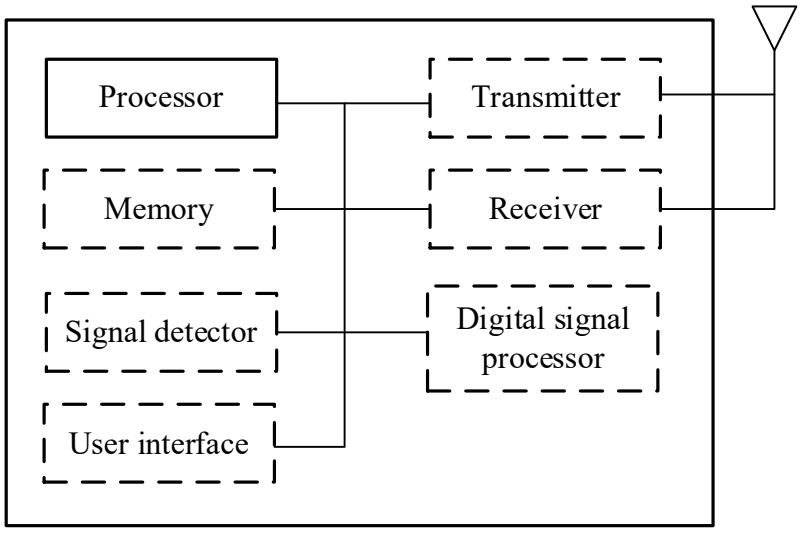

Processor
Transmitter
Memory
Receiver
Signal detector
Digital signal processor
User interface

FIG. 2

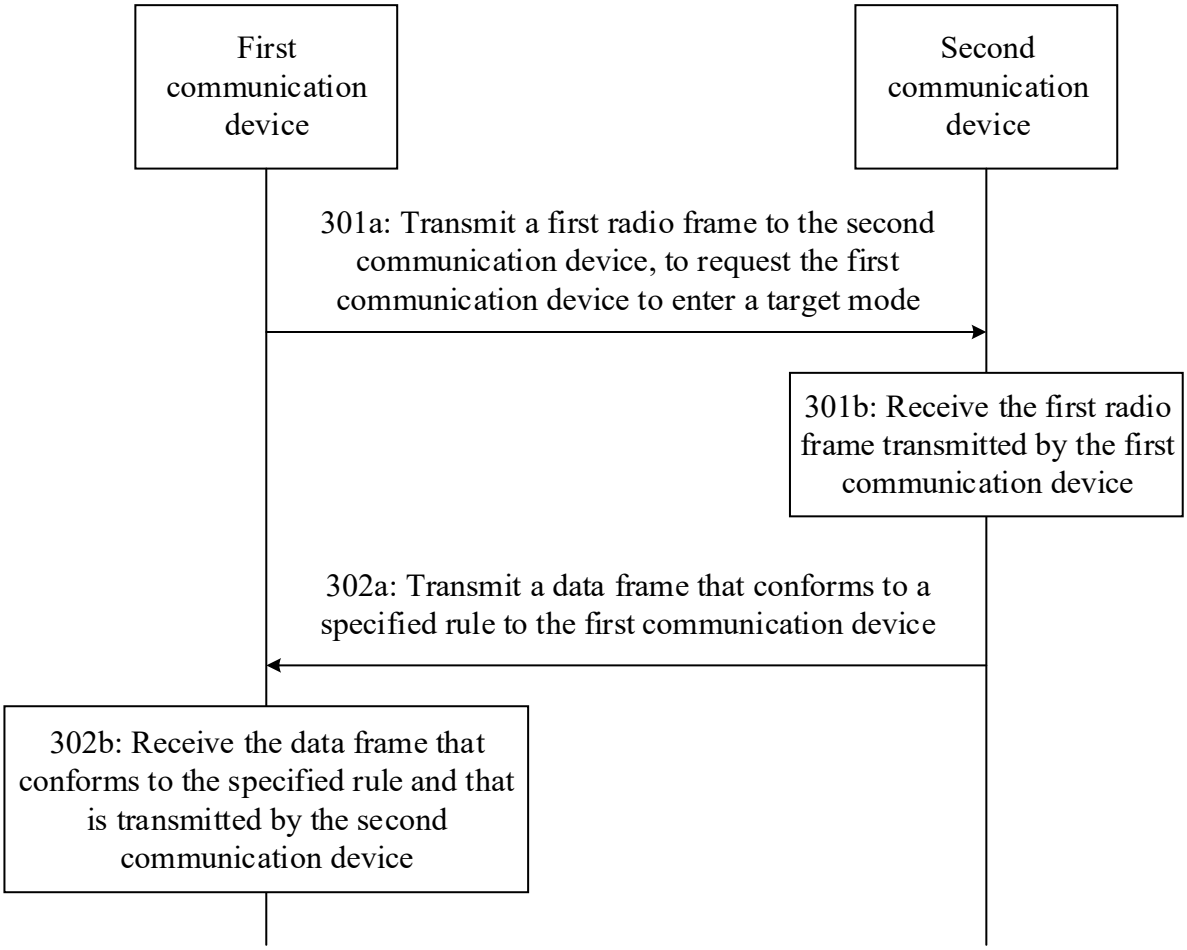

First communication device
Second communication device
301a: Transmit a first radio frame to the second communication device, to request the first communication device to enter a target mode
301b: Receive the first radio frame transmitted by the first communication device
302a: Transmit a data frame that conforms to a specified rule to the first communication device
302b: Receive the data frame that conforms to the specified rule and that is transmitted by the second communication device

FIG. 3

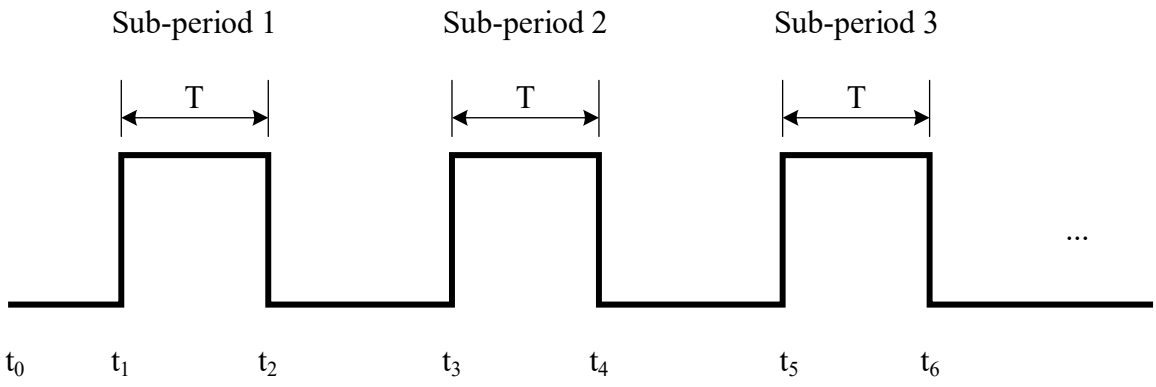

Sub-period 1
Sub-period 2
Sub-period 3
T
T
T
...
t_0
t_1
t_2
t_3
t_4
t_5
t_6

FIG. 4

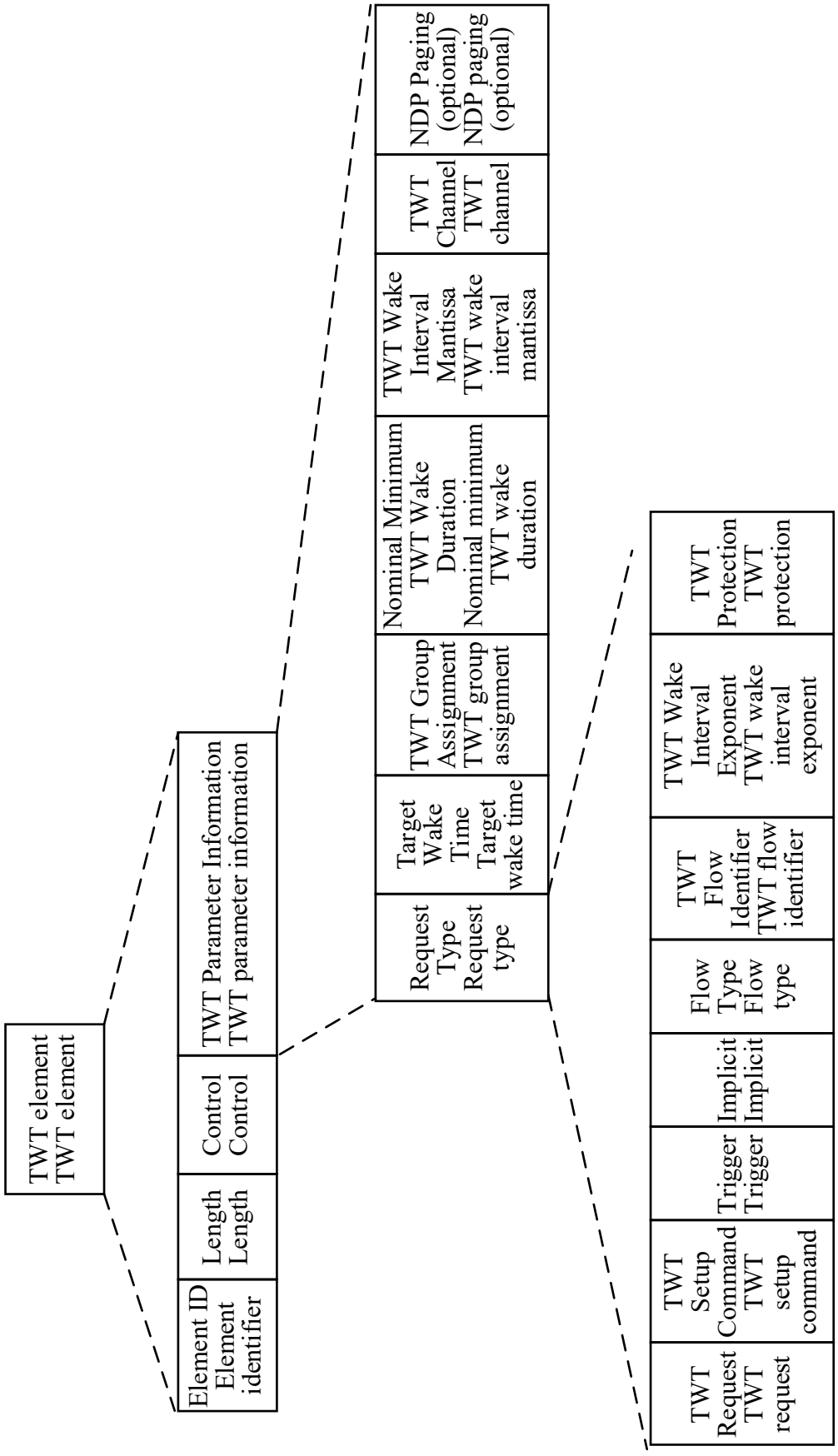

TWT element
TWT element
Element ID
Element identifier
Length
Length
Control
Control
TWT Parameter Information
TWT parameter information
Request Type
Request type
Target Wake Time
Target wake time
TWT Group Assignment
TWT group assignment
Nominal Minimum TWT Wake Duration
Nominal minimum TWT wake duration
TWT Wake Interval Mantissa
TWT wake interval mantissa
TWT Channel
TWT channel
NDP Paging (optional)
NDP paging (optional)
TWT Request
TWT request
TWT Setup Command
TWT setup command
Trigger
Trigger
Implicit
Implicit
Flow Type
Flow type
TWT Flow Identifier
TWT flow identifier
TWT Wake Interval Exponent
TWT wake interval exponent
TWT Protection
TWT protection

FIG. 5

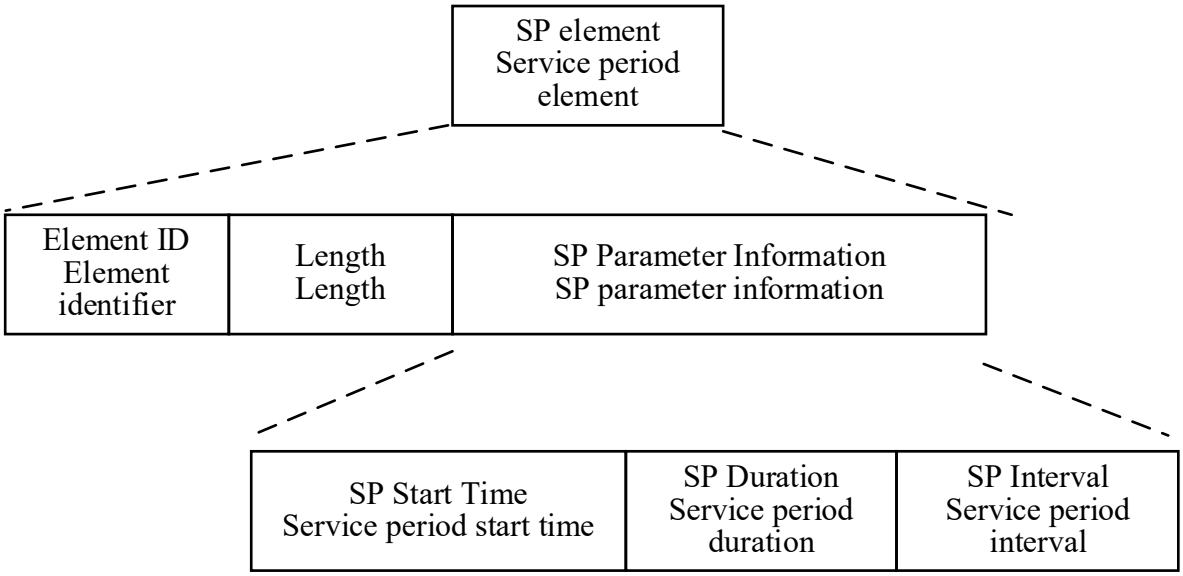

SP element
Service period element
Element ID
Element identifier
Length
Length
SP Parameter Information
SP parameter information
SP Start Time
Service period start time
SP Duration
Service period duration
SP Interval
Service period interval

FIG. 6

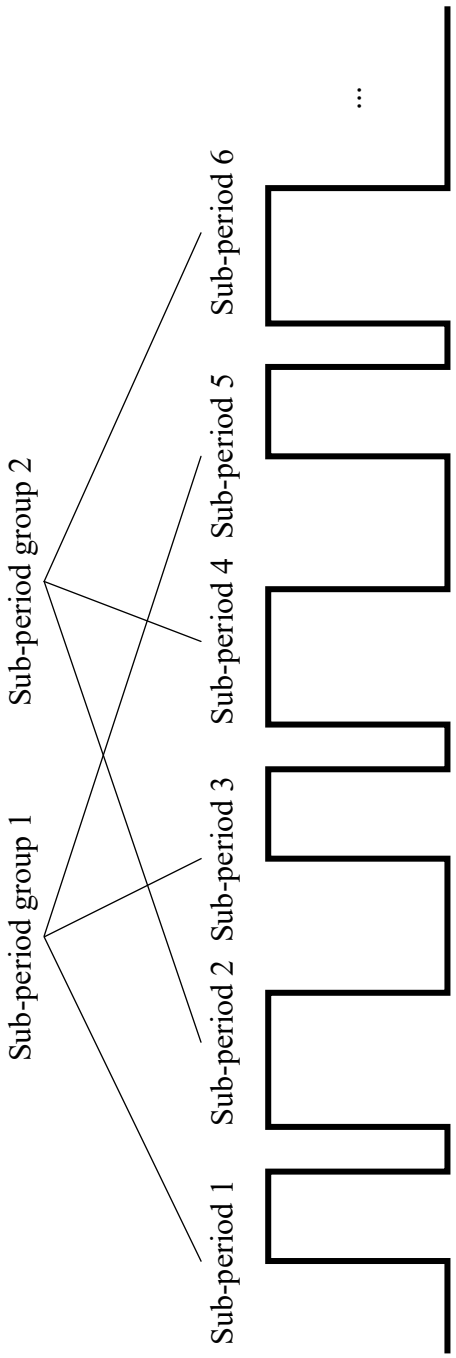

Sub-period group 1
Sub-period group 2
Sub-period 1
Sub-period 2
Sub-period 3
Sub-period 4
Sub-period 5
Sub-period 6
...

FIG. 7

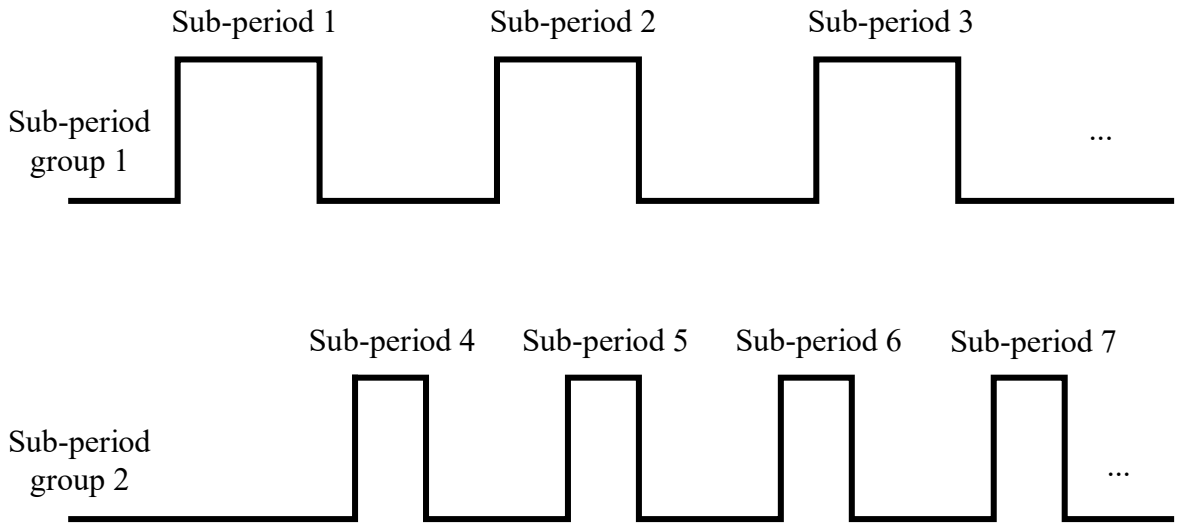

Sub-period 1
Sub-period 2
Sub-period 3
Sub-period group 1
...
Sub-period 4
Sub-period 5
Sub-period 6
Sub-period 7
Sub-period group 2
...

FIG. 8

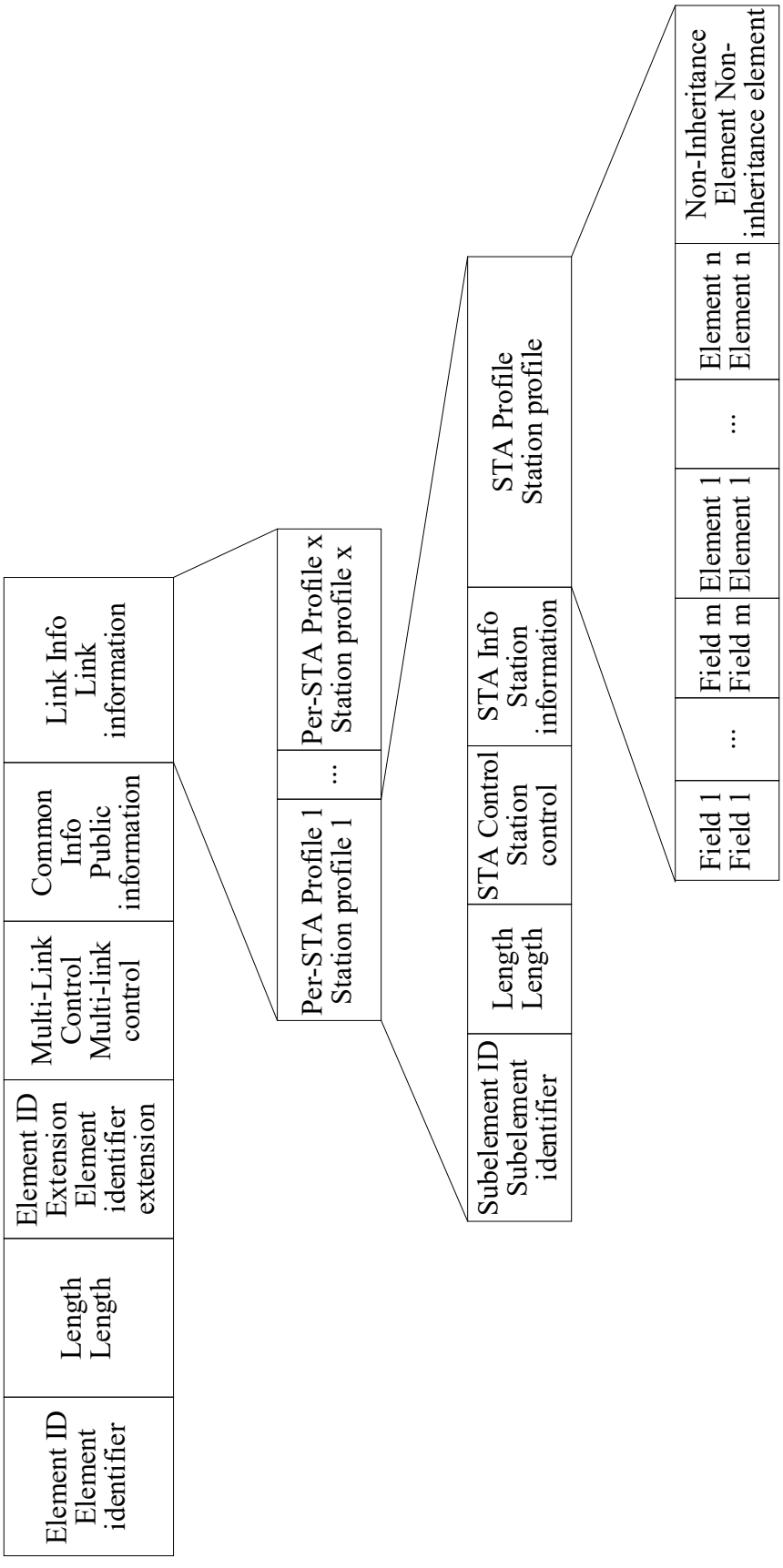

Element ID
Element identifier
Length
Length
Element ID Extension
Element identifier extension
Multi-Link Control
Multi-link control
Common Info
Public information
Link Info
Link information
Per-STA Profile 1
Station profile 1
...
Per-STA Profile x
Station profile x
Subelement ID
Subelement identifier
Length
Length
STA Control
Station control
STA Info
Station information
STA Profile
Station profile
Field 1
Field 1
...
Field m
Field m
Element 1
Element 1
...
Element n
Element n
Non-Inheritance Element
Non-inheritance element

FIG. 9

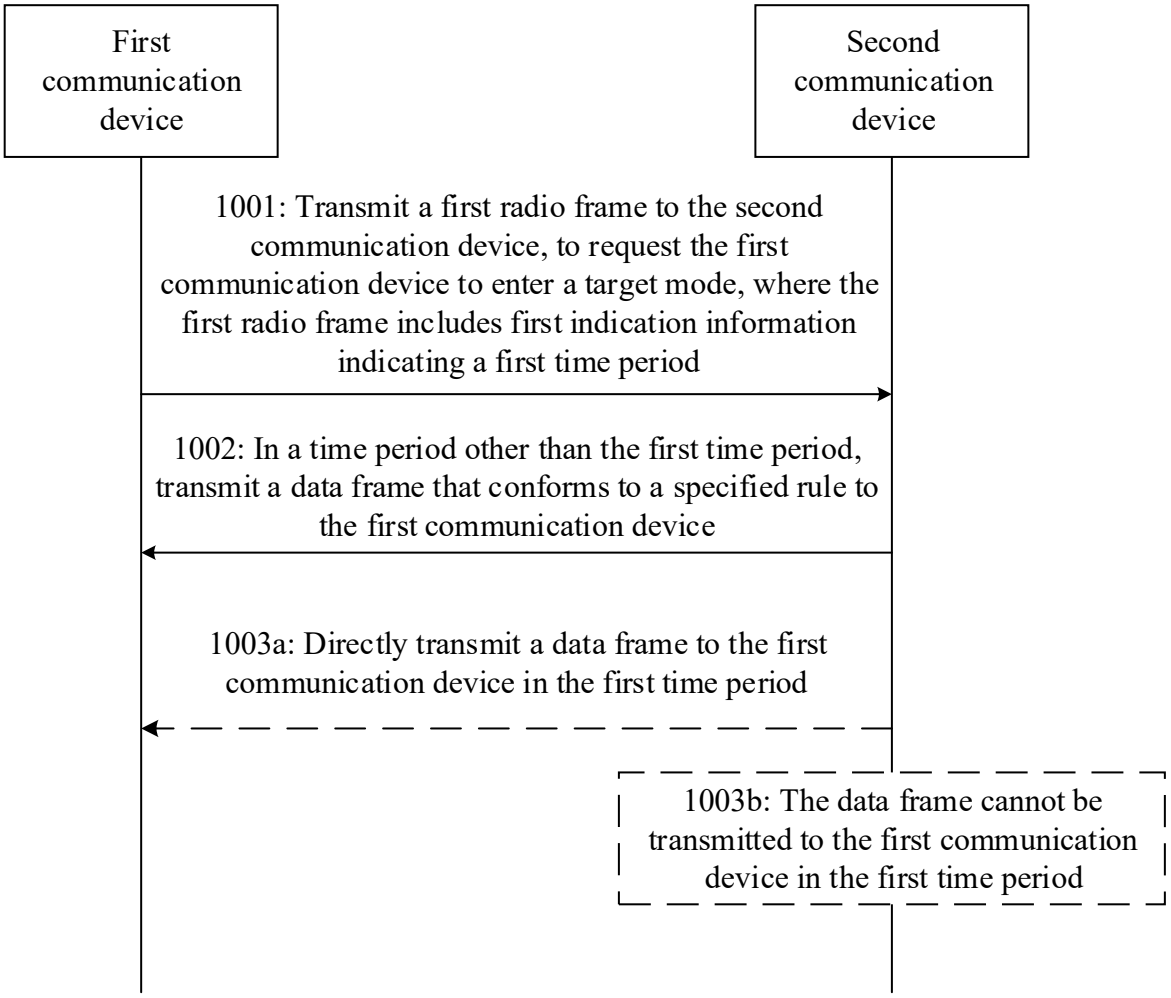

First communication device
Second communication device
1001: Transmit a first radio frame to the second communication device, to request the first communication device to enter a target mode, where the first radio frame includes first indication information indicating a first time period
1002: In a time period other than the first time period, transmit a data frame that conforms to a specified rule to the first communication device
1003a: Directly transmit a data frame to the first communication device in the first time period
1003b: The data frame cannot be transmitted to the first communication device in the first time period

FIG. 10

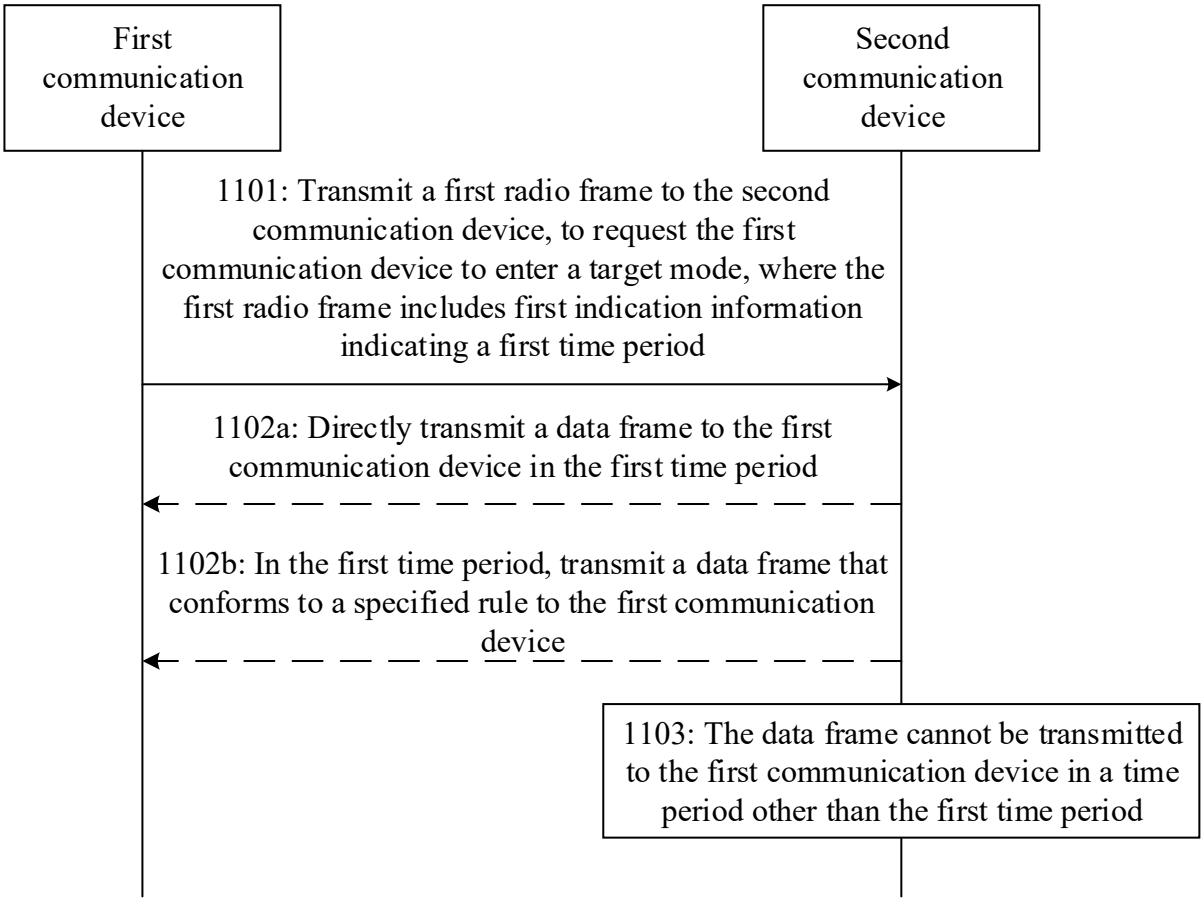

First communication device
Second communication device
1101: Transmit a first radio frame to the second communication device, to request the first communication device to enter a target mode, where the first radio frame includes first indication information indicating a first time period
1102a: Directly transmit a data frame to the first communication device in the first time period
1102b: In the first time period, transmit a data frame that conforms to a specified rule to the first communication device
1103: The data frame cannot be transmitted to the first communication device in a time period other than the first time period

FIG. 11

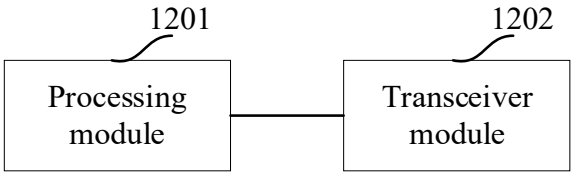

1201
1202
Processing module
Transceiver module

FIG. 12

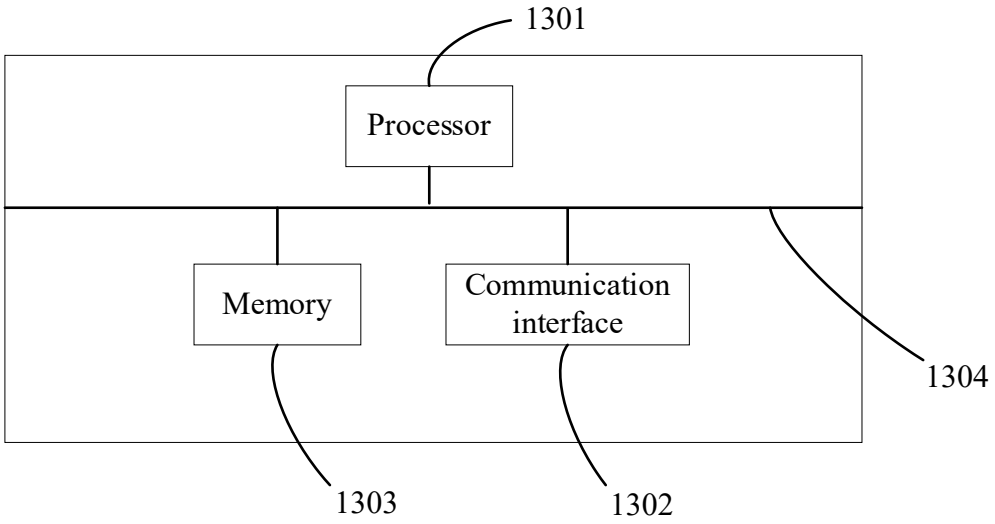

1301
Processor
Memory
Communication interface
1304
1303
1302

FIG. 13