Bluetooth User's Guide (Console Application)

Version 1.0.0

Display Audio

Solution Team

NEXELL

Release information

The following changes have been make to this document.

Change History

Date	Change
07 Dec 2017	First release for v1.0.0

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Chap 1. Overview

1.1 Introduce

This document describes how to easily handle the NXBT class APIs.

1.2 Application

It provides a simple application to test the NXBT class API.

1.2.1 NxBTServiceConsole

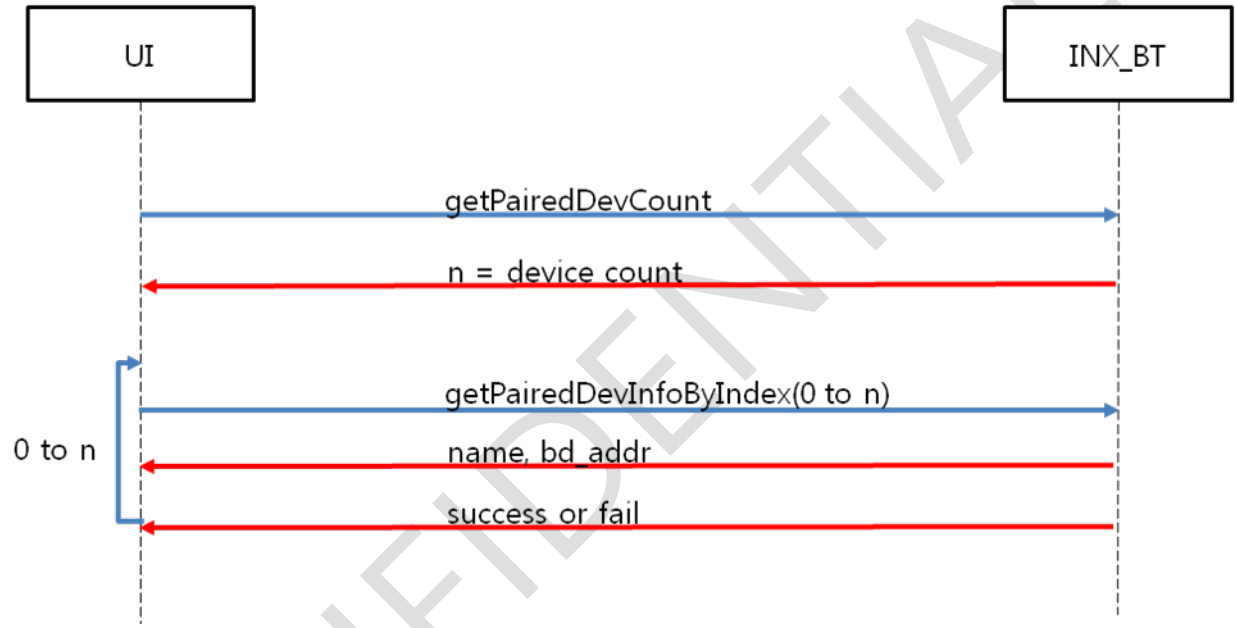
```
NXBT profile service main menu :
[MGT]============================
 0              => Get paired device list
 1              => Enable auto-connection mode
 2              => Disable auto-connection mode
 3              => Enable auto-pairing mode
 4              => Disable auto-pairing mode
 5              => Accept pairing
 6              => Reject pairing
 7              => Unpair BT device
 8              => Set discoverable
 9              => Clesr discoverable
[AVK]============================
 10             => AVK connection
 11             => AVK disconnection
 12             => Get connection number
 13             => Get AVK connected remote BT address
 14             => Get latest AVK connected device
 15             => Start play
 16             => Stop play
 17             => Pause play
 18             => Next play
 19             => Prev play
 20             => Open ALSA
```

```
 21                 => Close ALSA
[HS]============================
 22                 => HS connection
 23                 => HS disconnection
 24                 => Get HS connected remote BT address
 25                 => Get latest HS connected device
 26                 => Pickup the call
 27                 => Hangup the call
 28                 => Open audio
 29                 => Close audio
 30                 => Mute microphone
 31                 => Unmute microphone
 32                 => Dial a phone number
 33                 => Redial a phone number
 34                 => Send DTMF AT command
 35                 => Request call indicator
 36                 => Request call operater name
 37                 => Request current calls
 38                 => Get battery charging status value
[PBC]============================
 39                 => PBC connection
 40                 => PBC disconnection
 41                 => PBC abort
 42                 => Get contact
 43                 => Get call history
[MCE]============================
 44                 => MCE connection
 45                 => MCE disconnection
 46                 => MCE abort
 47                 => Start MCE notification server
 48                 => Stop MCE notification server
 49                 => Get message
================================
 99                 => Quit
================================
Select menu =>
```

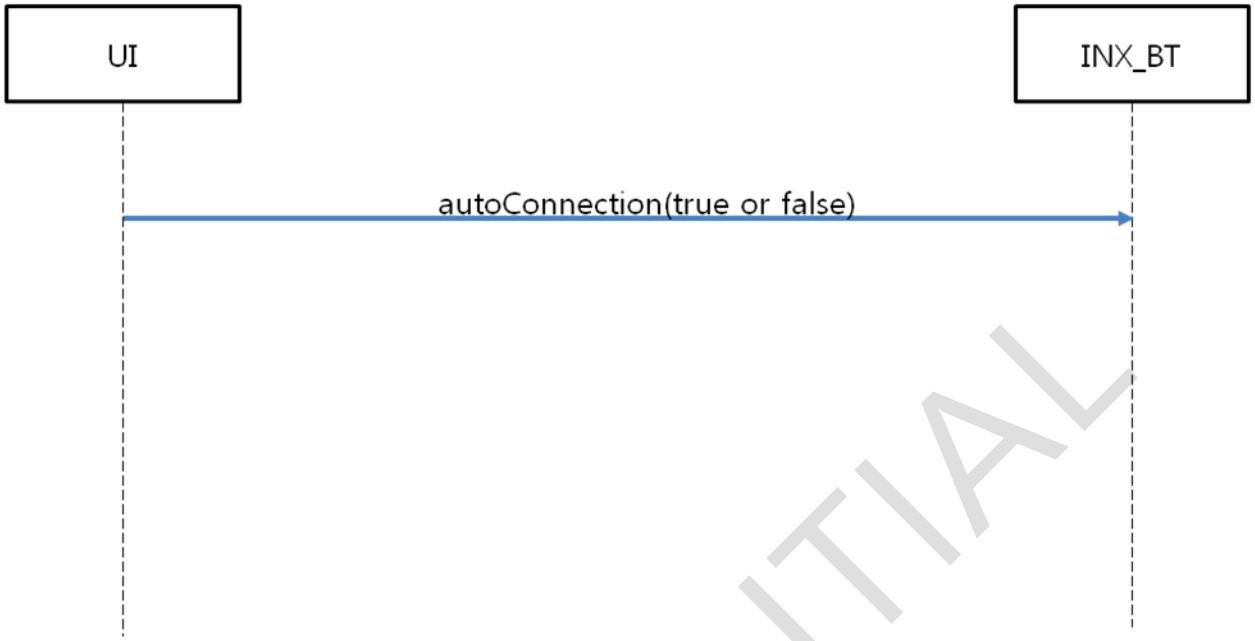
Chap 2. Function scenario

2.1 MGT functions (Management)

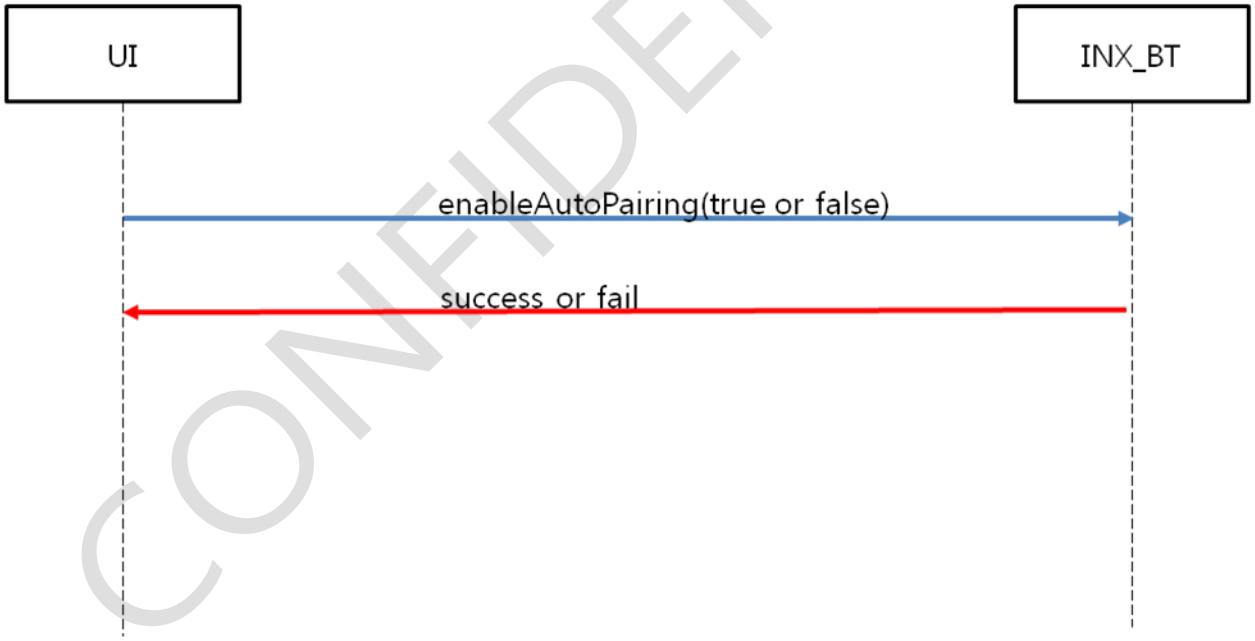
2.1.1 Get paired device lists



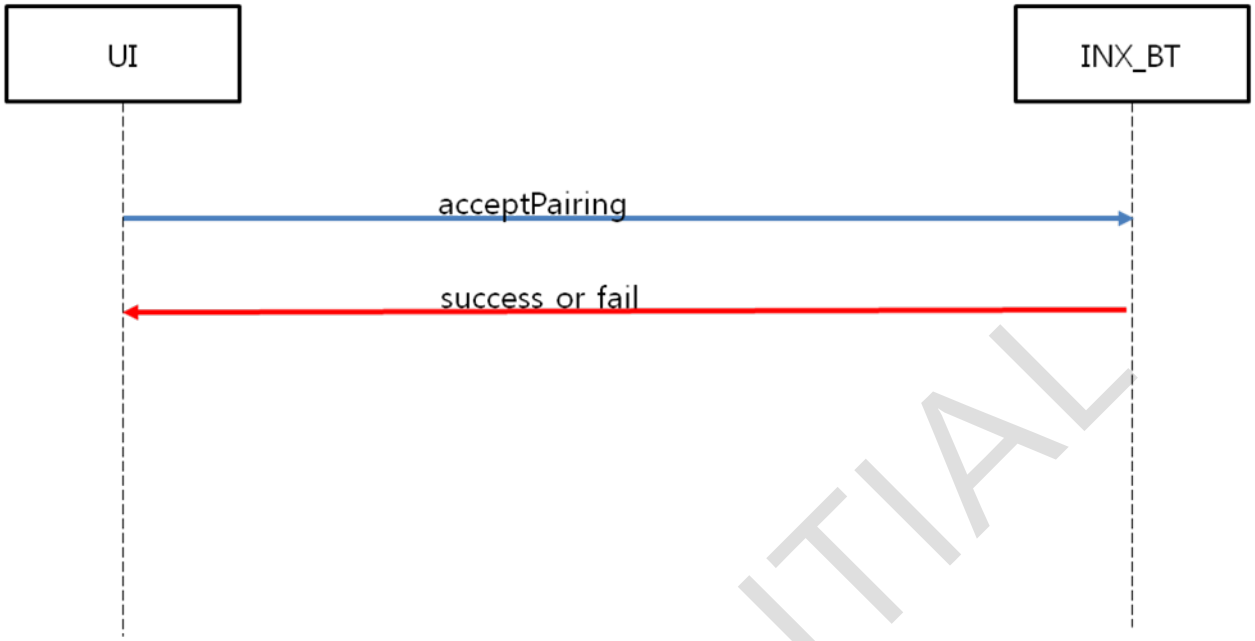
2.1.2 Enable/Disable auto connection



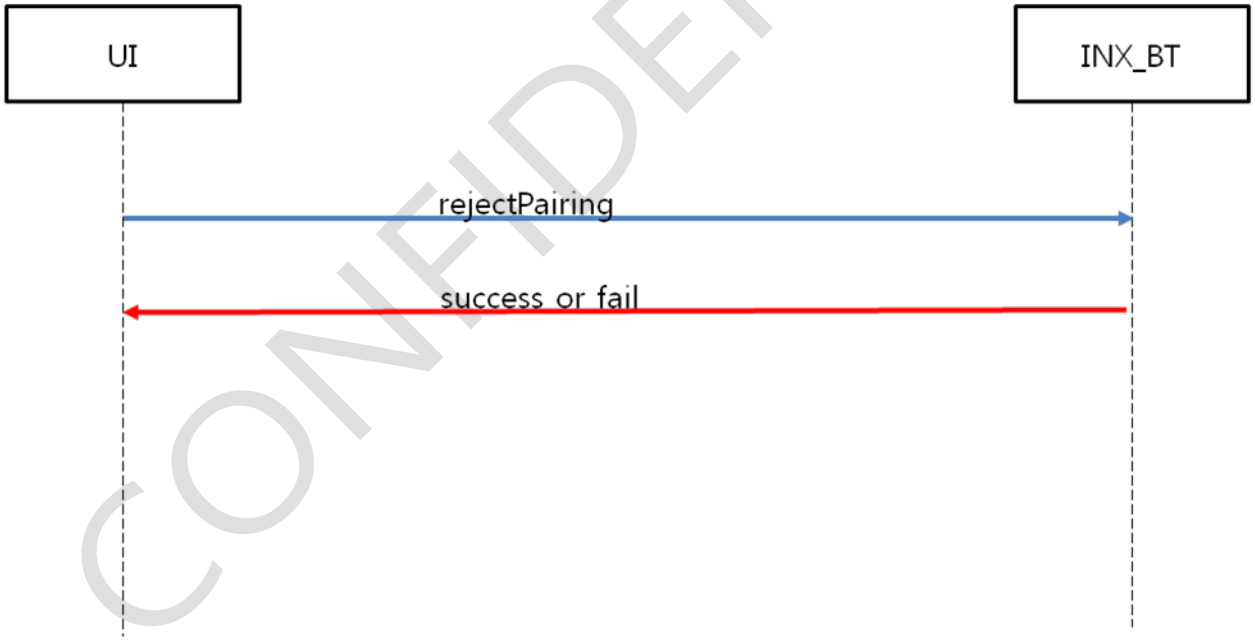
2.1.3 Enable/Disable auto pairing



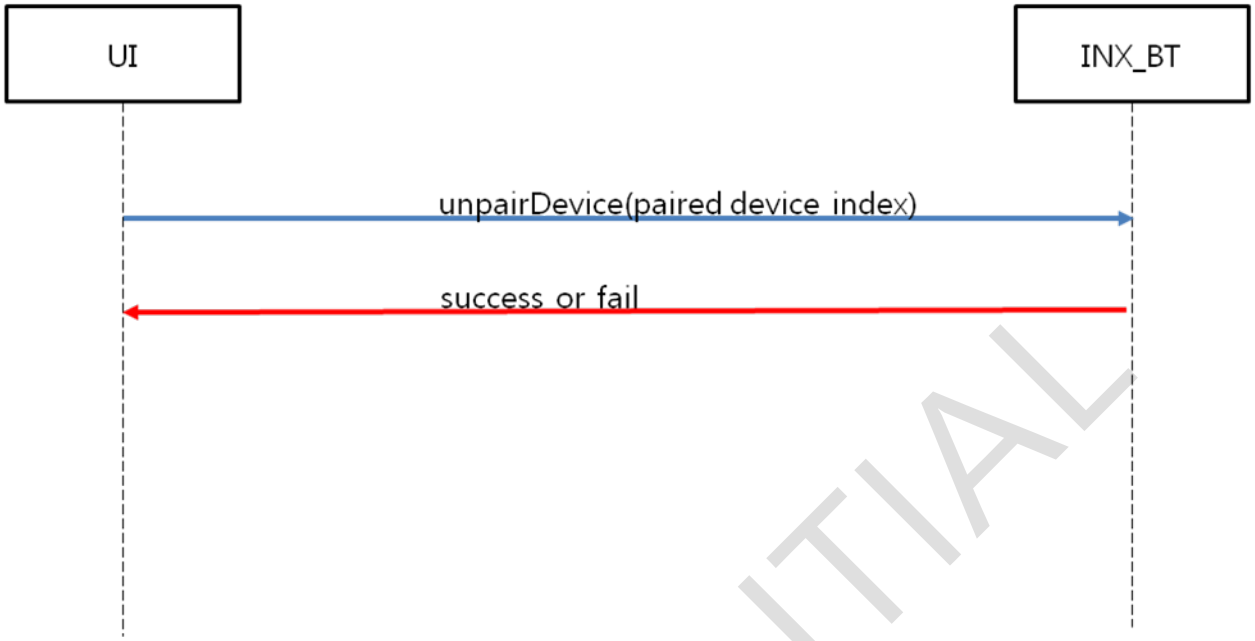
2.1.4 Accept pairing



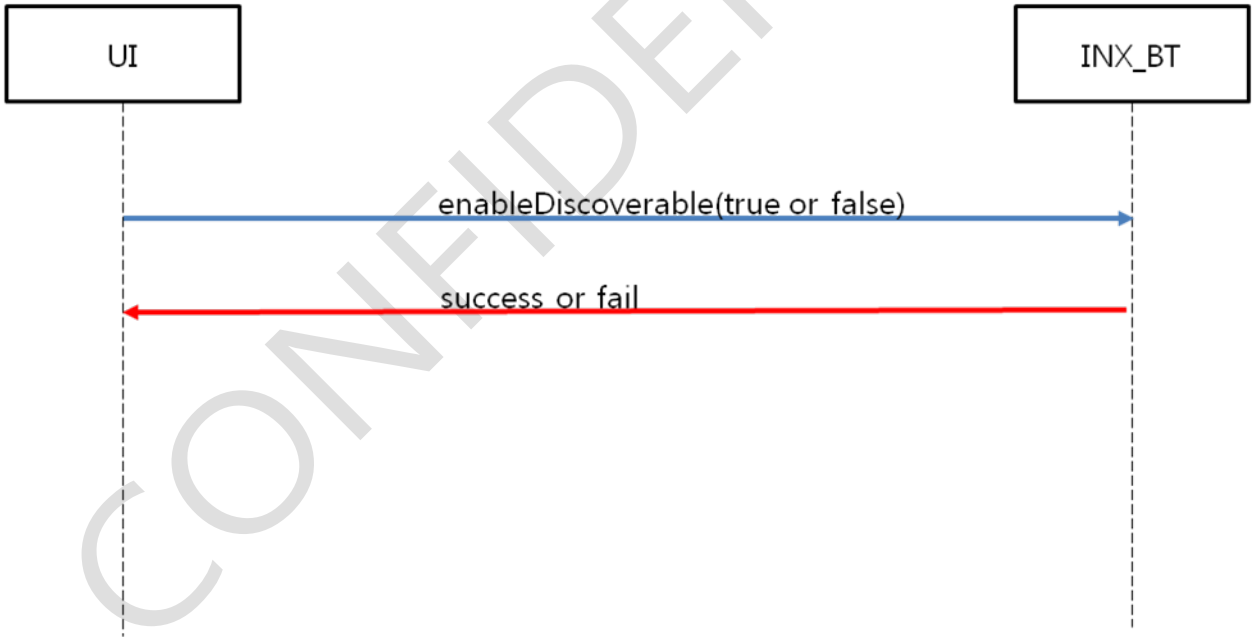
2.1.5 Reject pairing



2.1.6 Unpair device

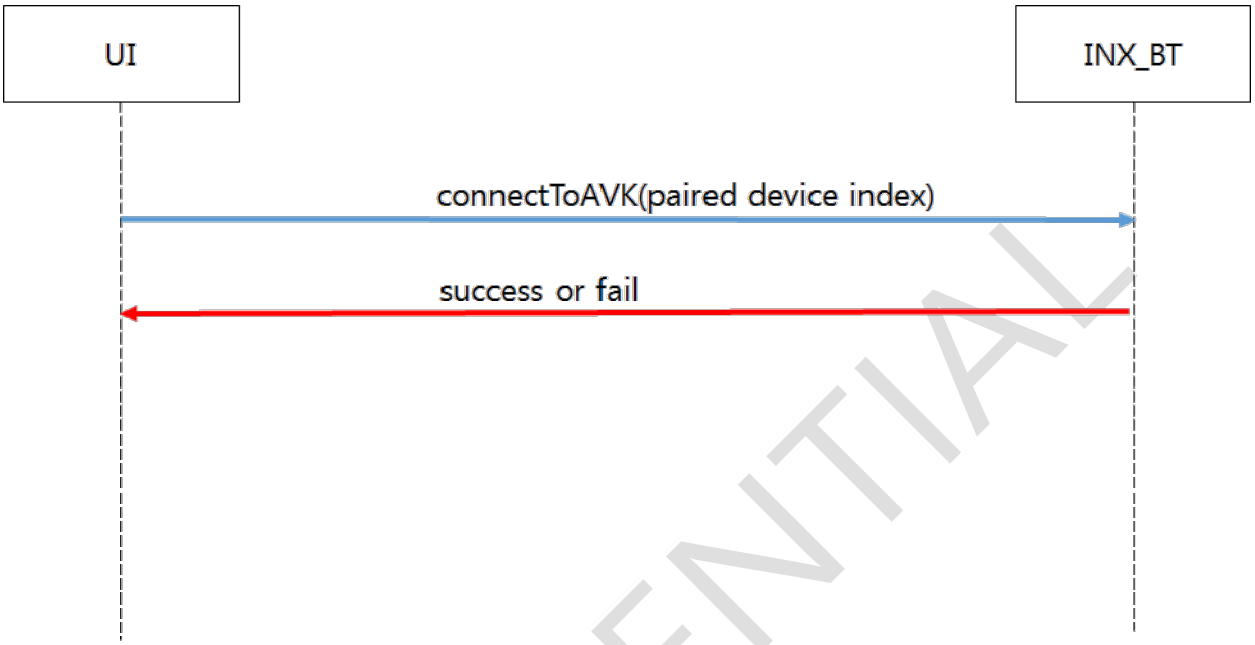


2.1.7 Enable/Disable discoverable

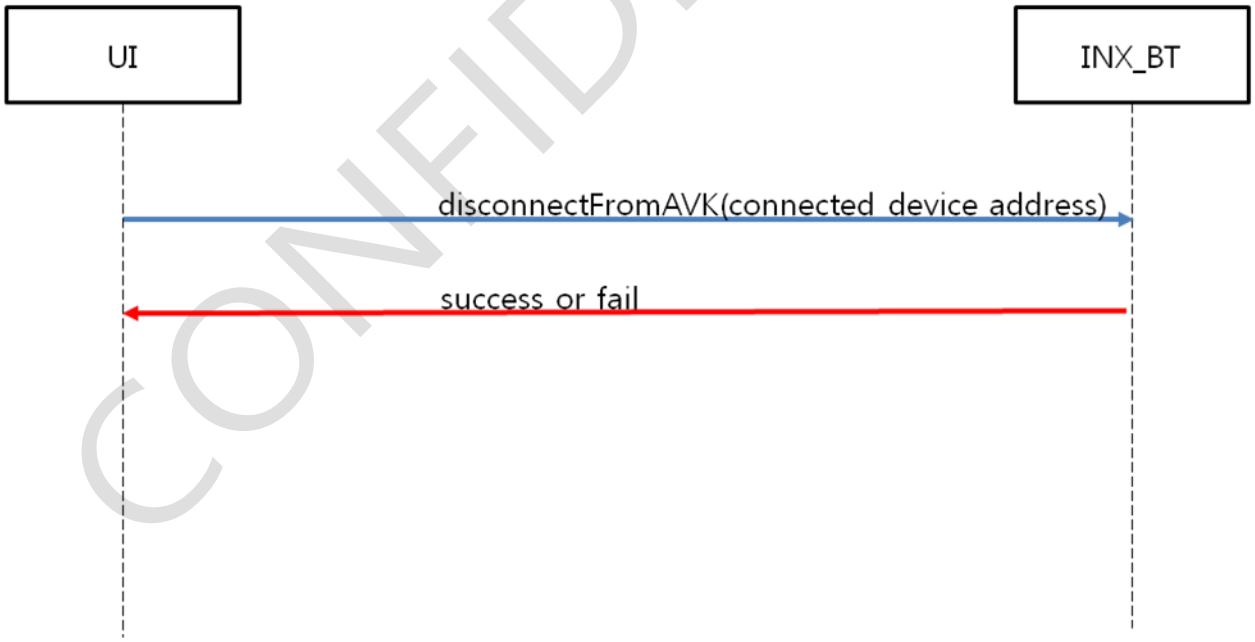


2.2 AVK functions (A2DP, AVRCP)

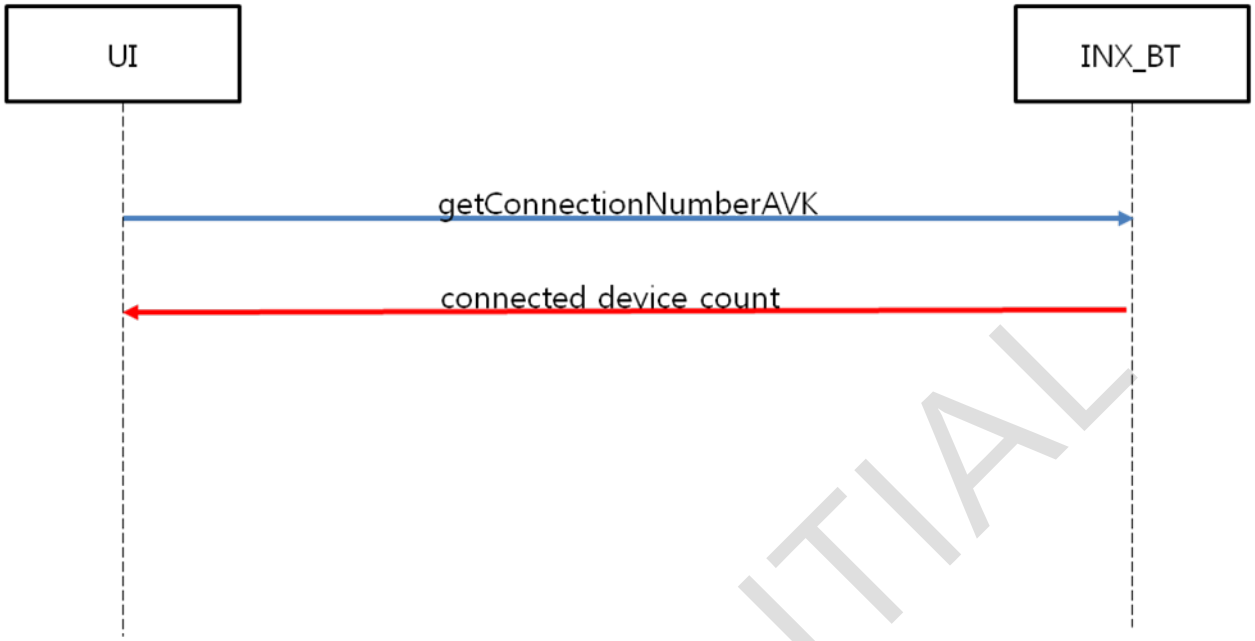
2.2.1 AVK connection



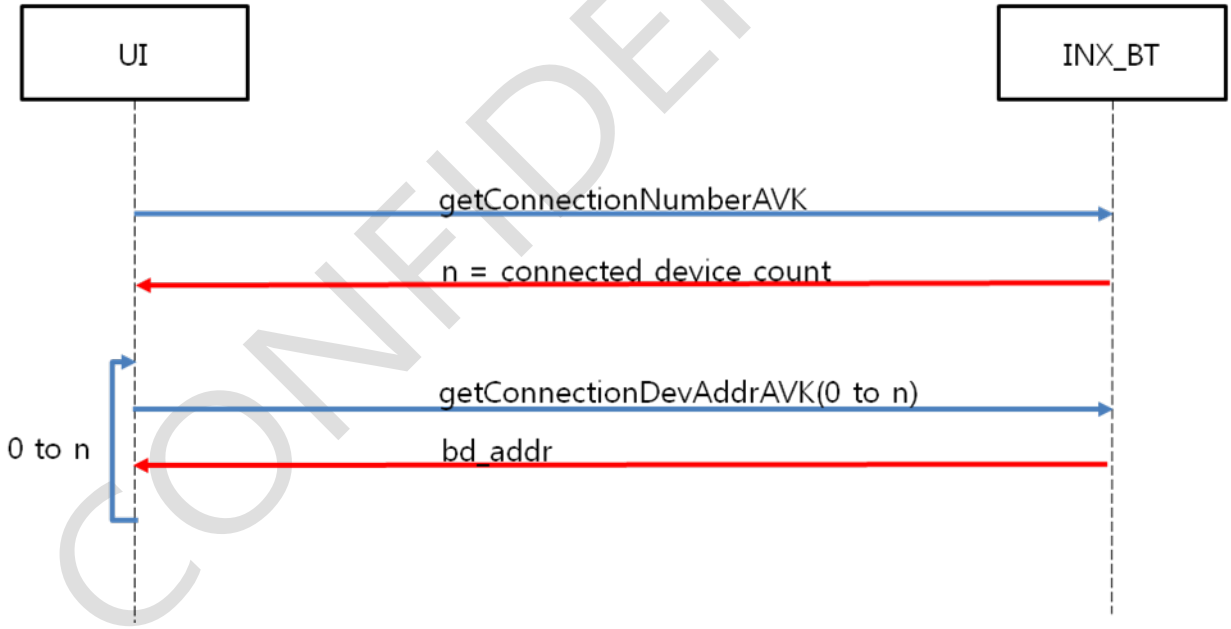
2.2.2 AVK disconnection



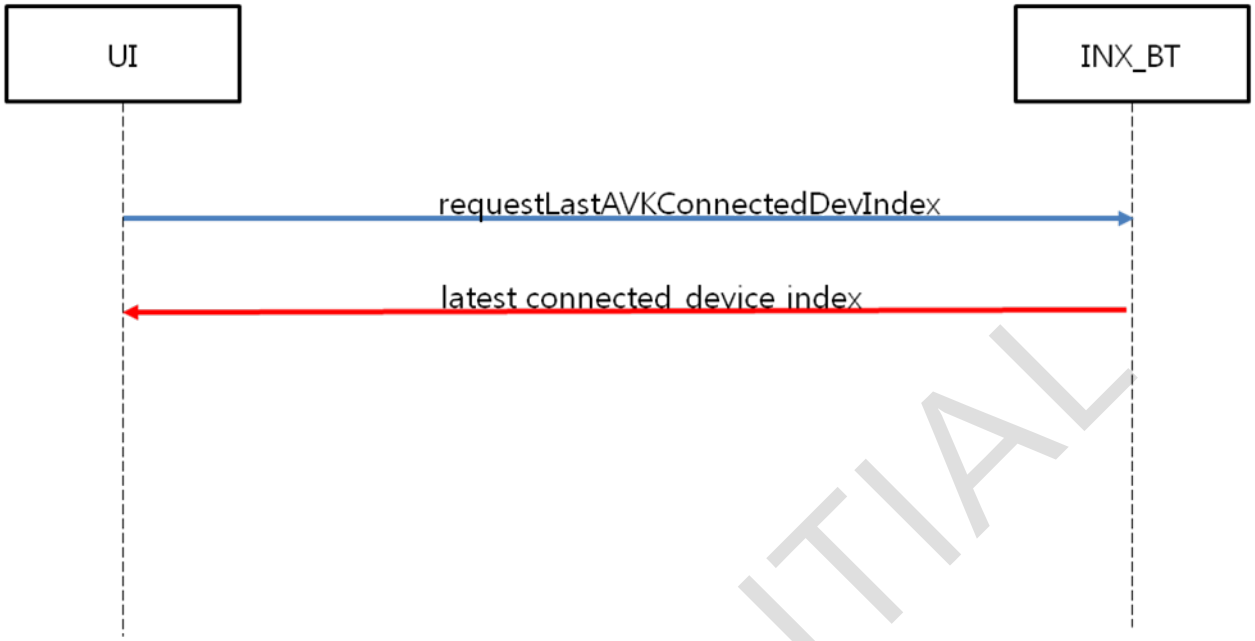
2.2.3 Get number of the AVK connection



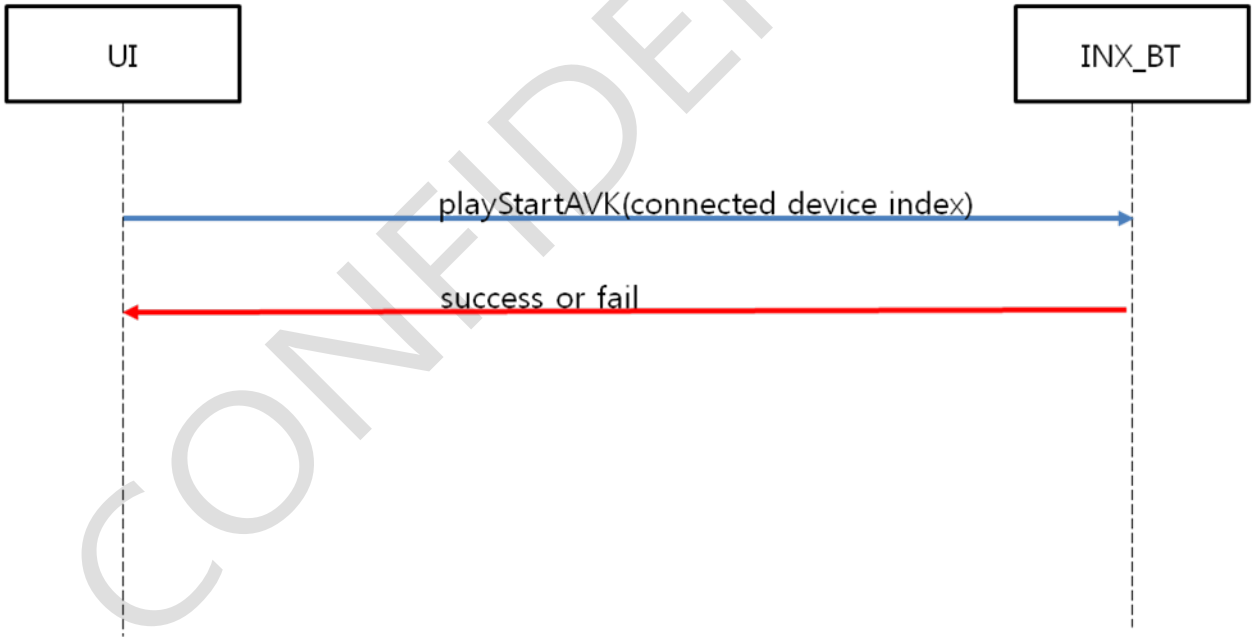
2.2.4 Get AVK connected device address



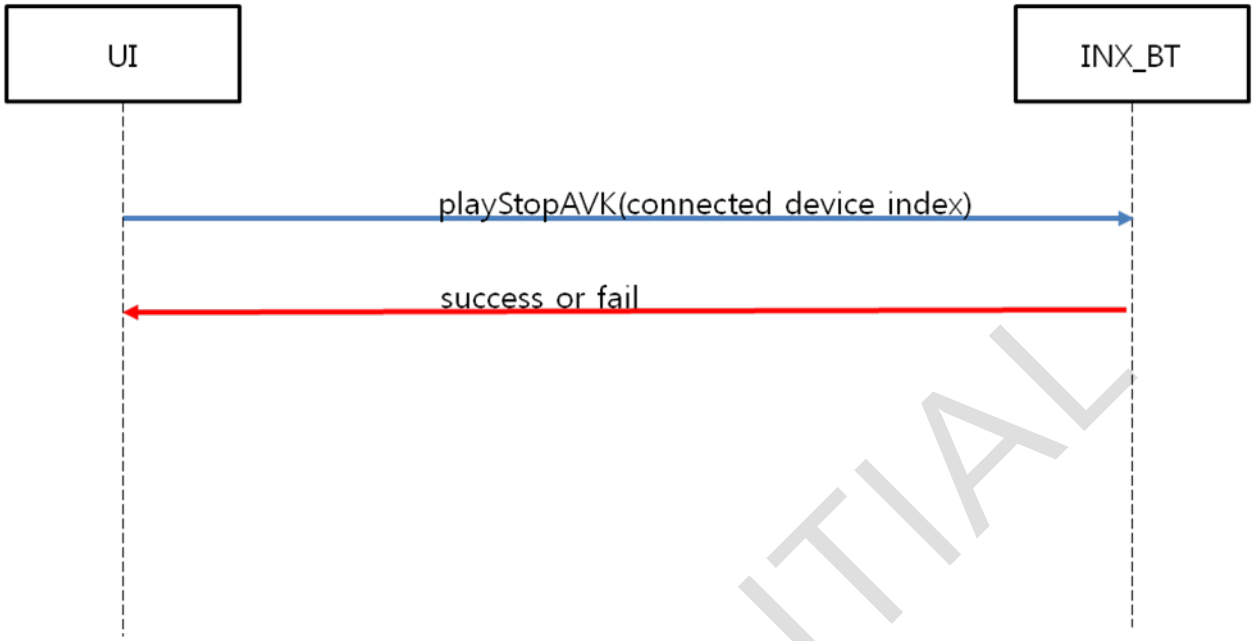
2.2.5 Get AVK latest connected device index



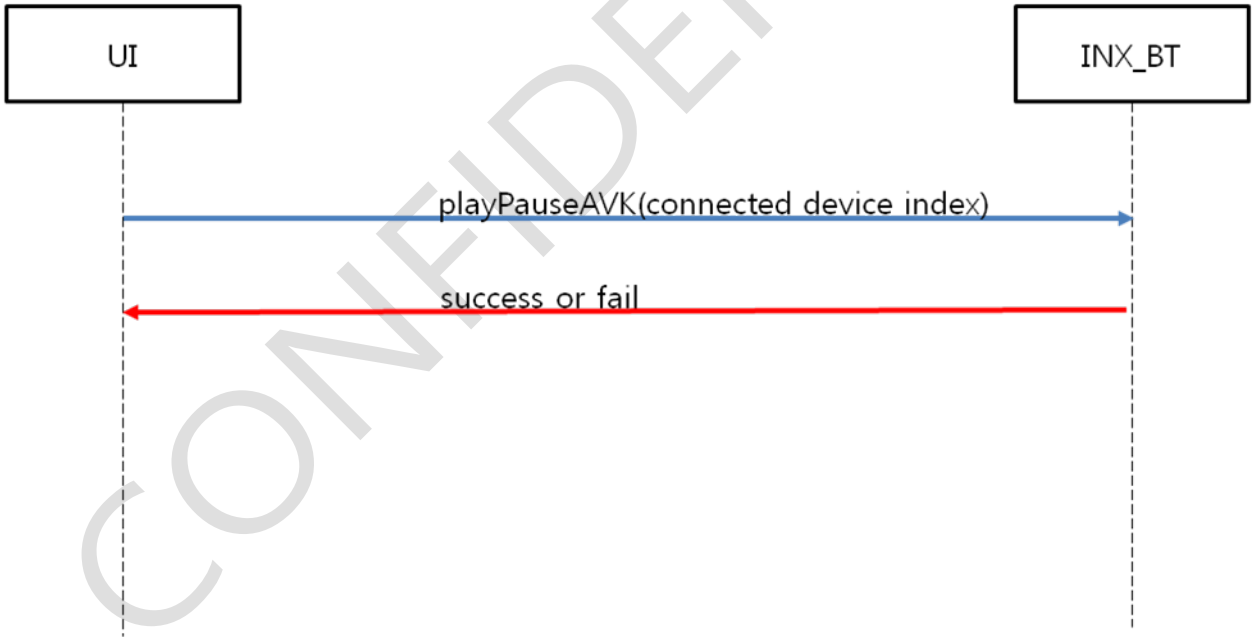
2.2.6 Play start streaming



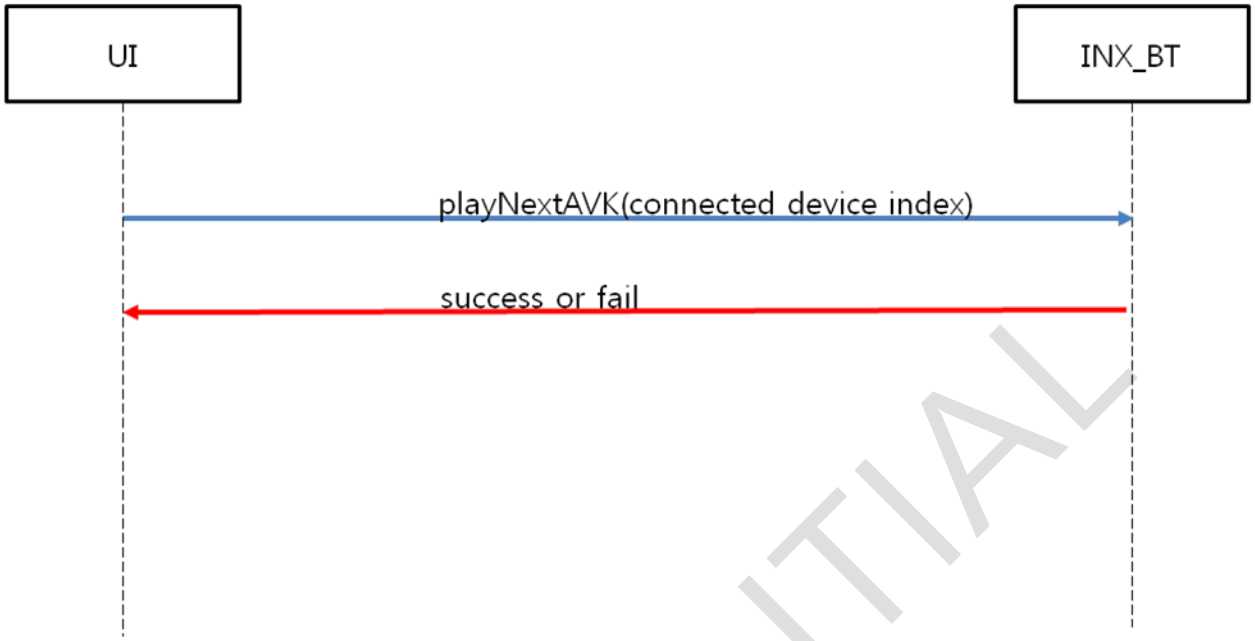
2.2.7 Play stop streaming



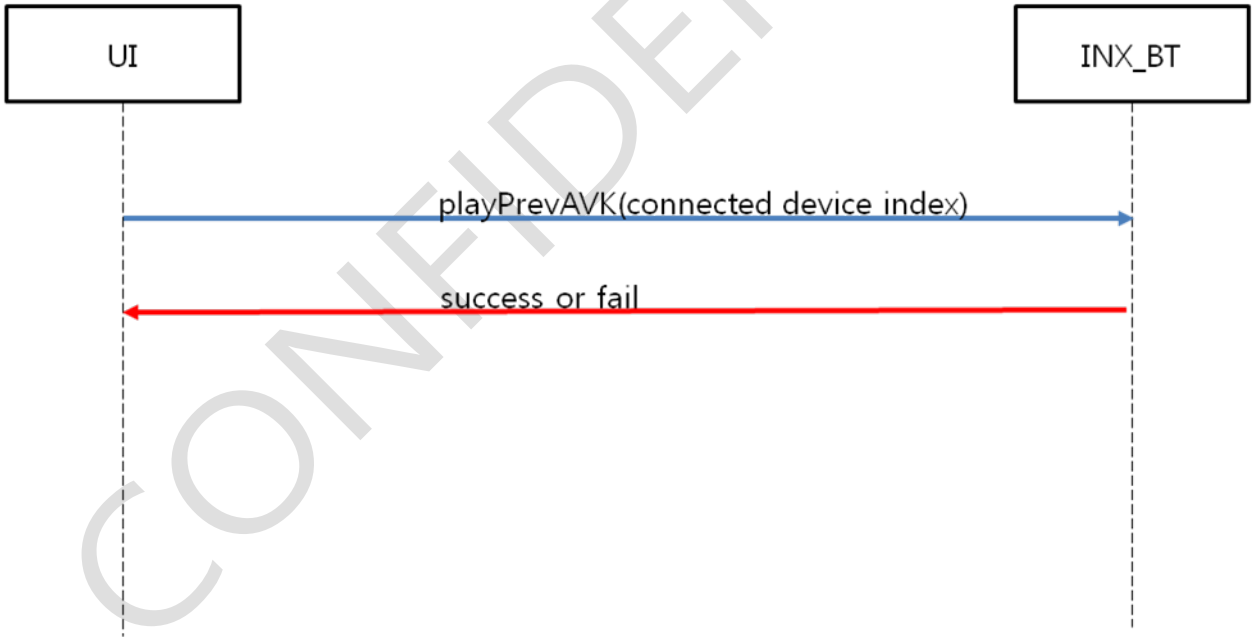
2.2.8 Play pause streaming



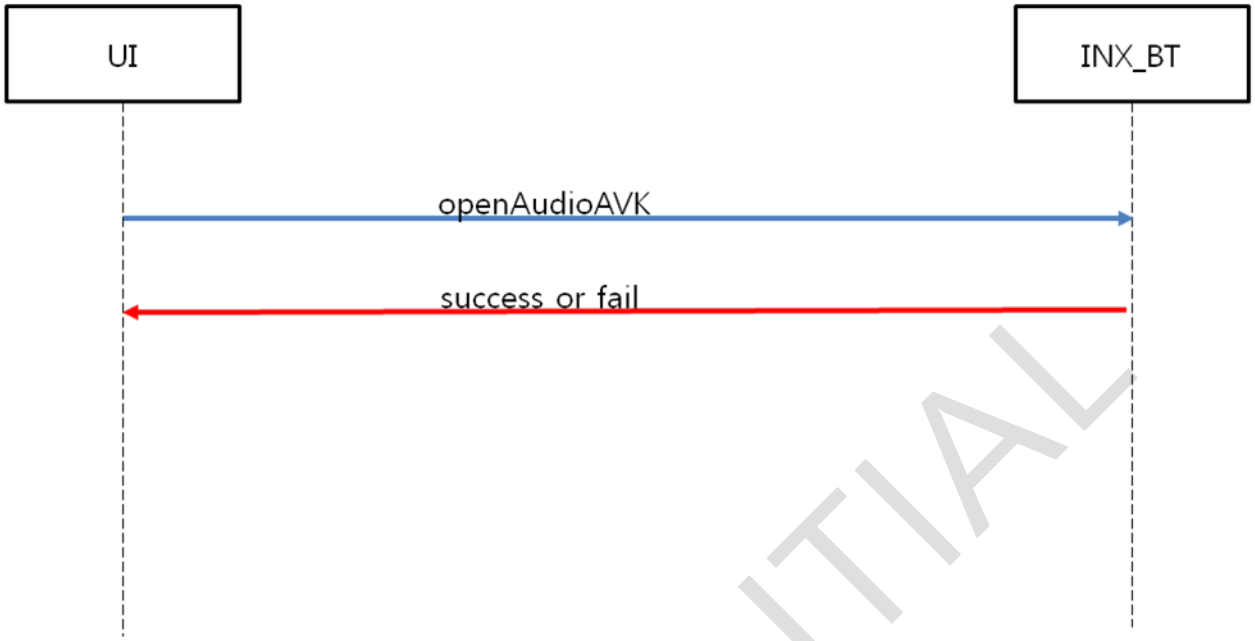
2.2.9 Play next



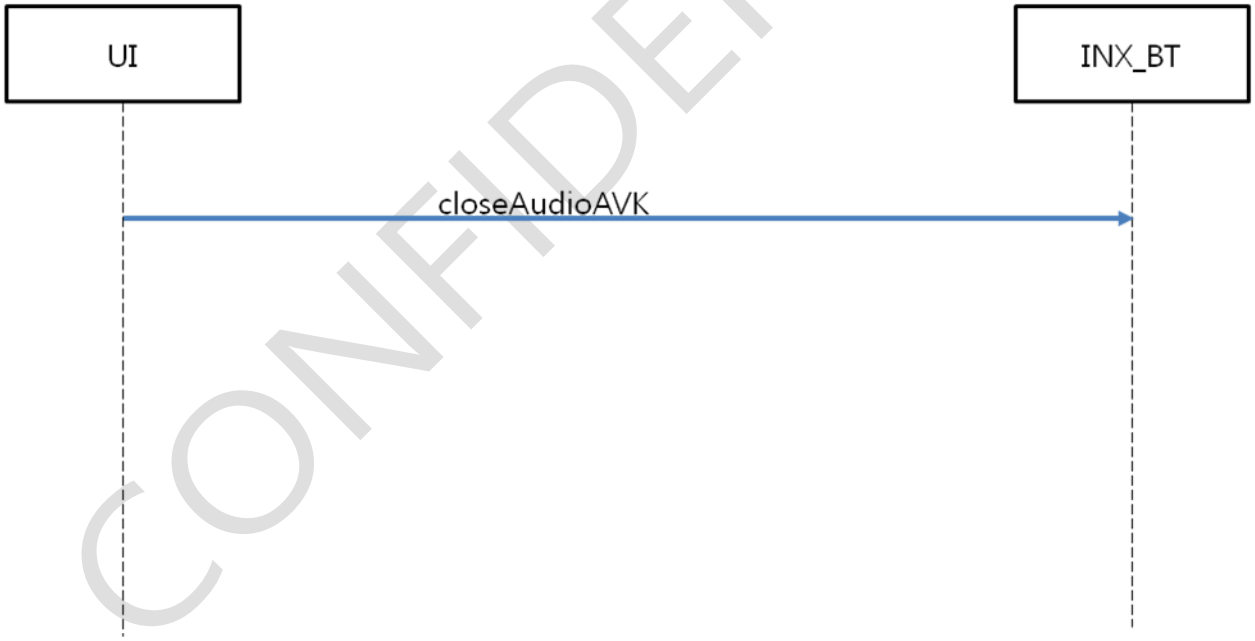
2.2.10 Play prev



2.2.11 Open AVK audio device

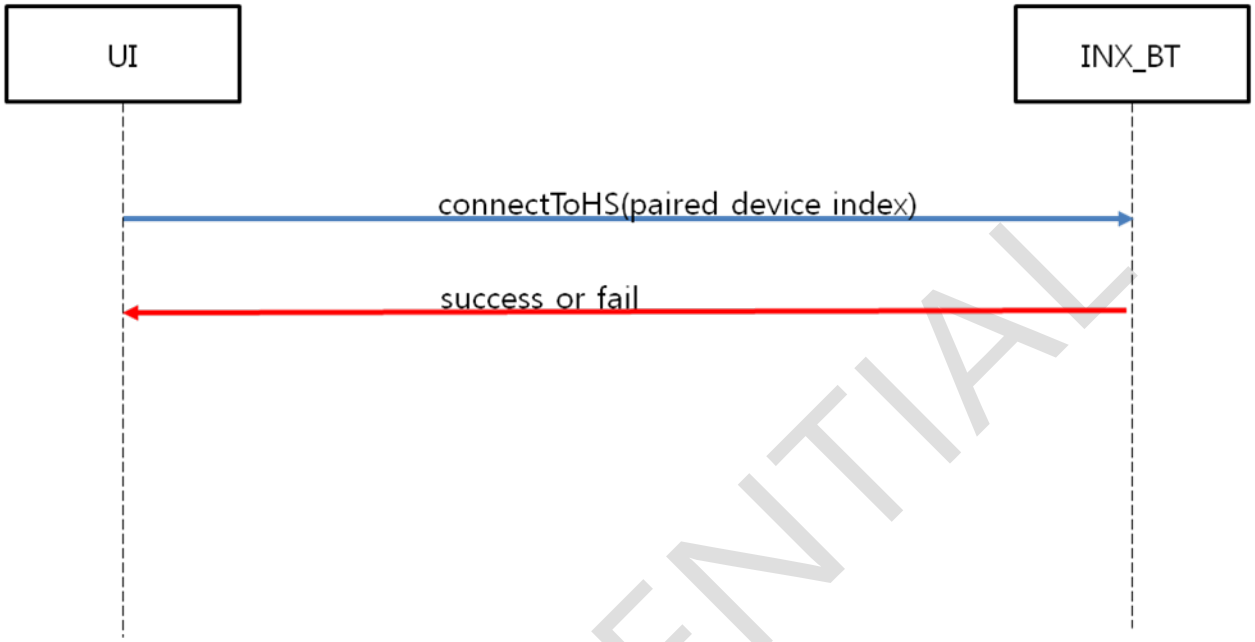


2.2.12 Close AVK audio device

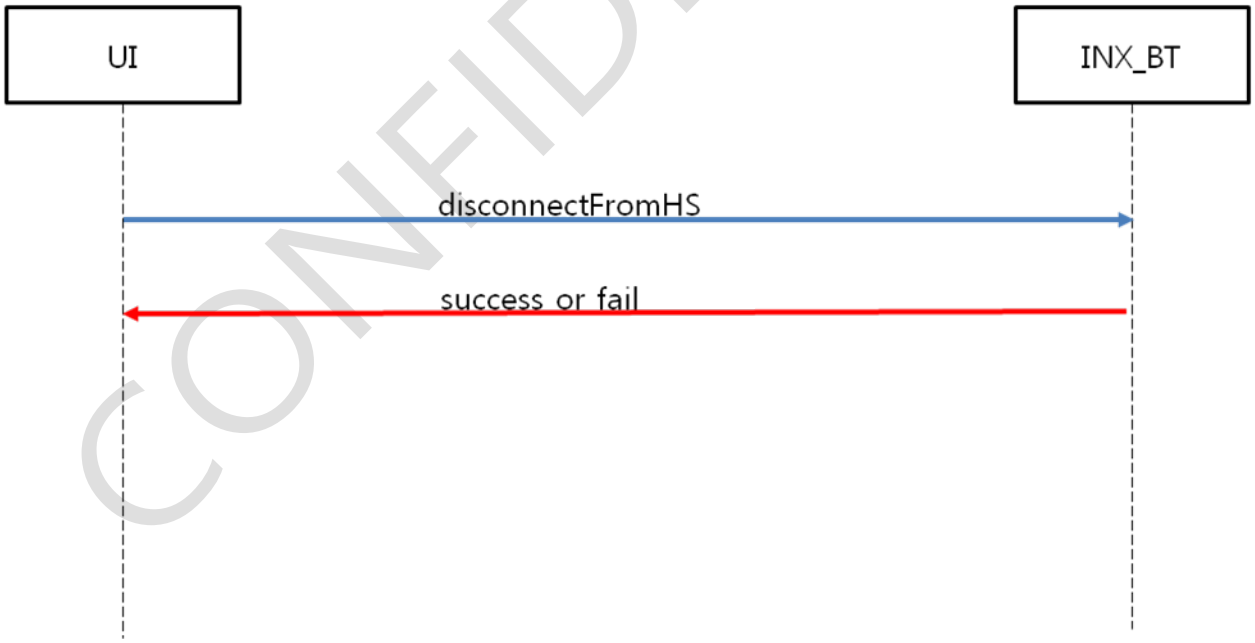


2.3 HS functions (HFP)

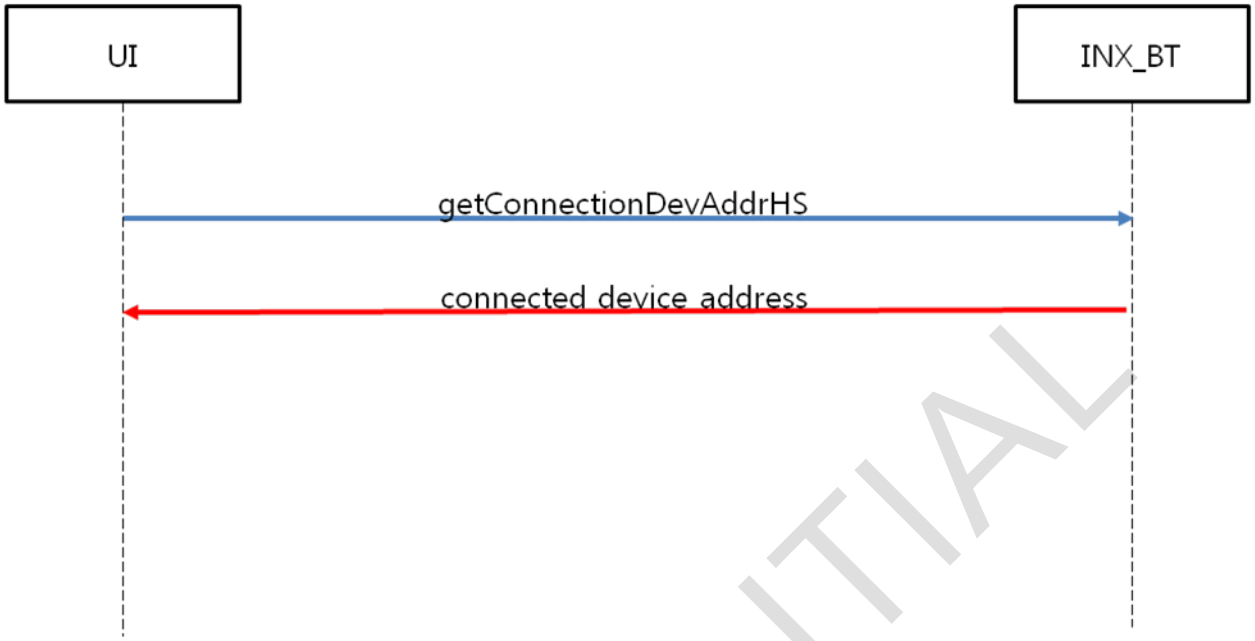
2.3.1 HS connection



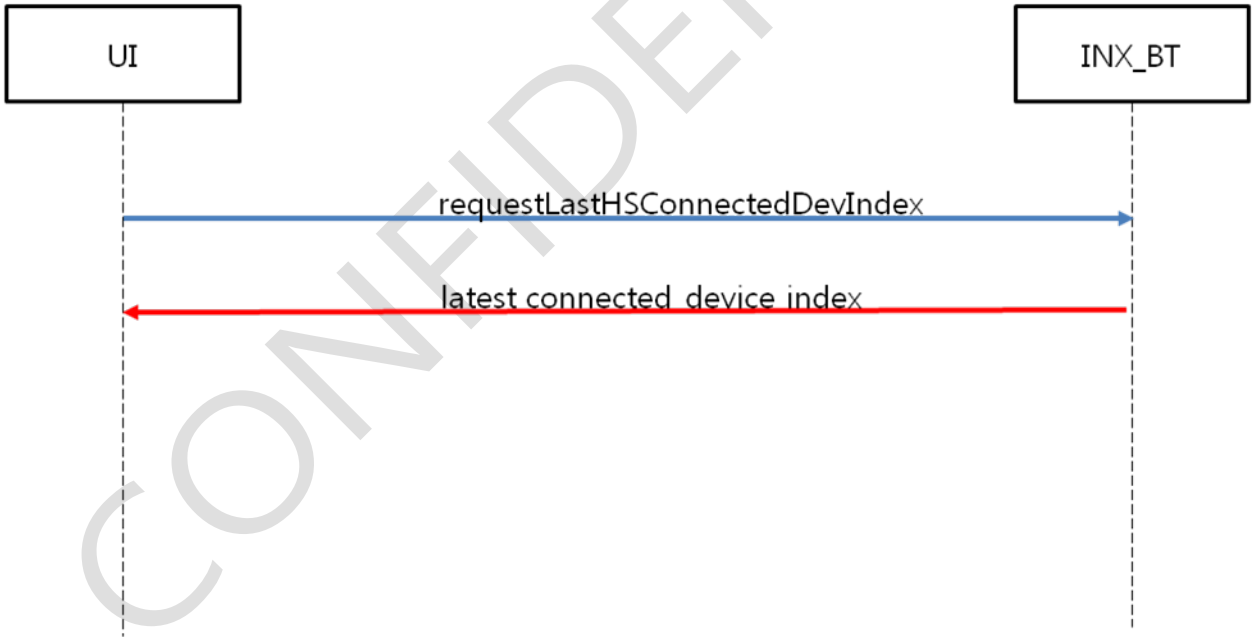
2.3.2 HS disconnection



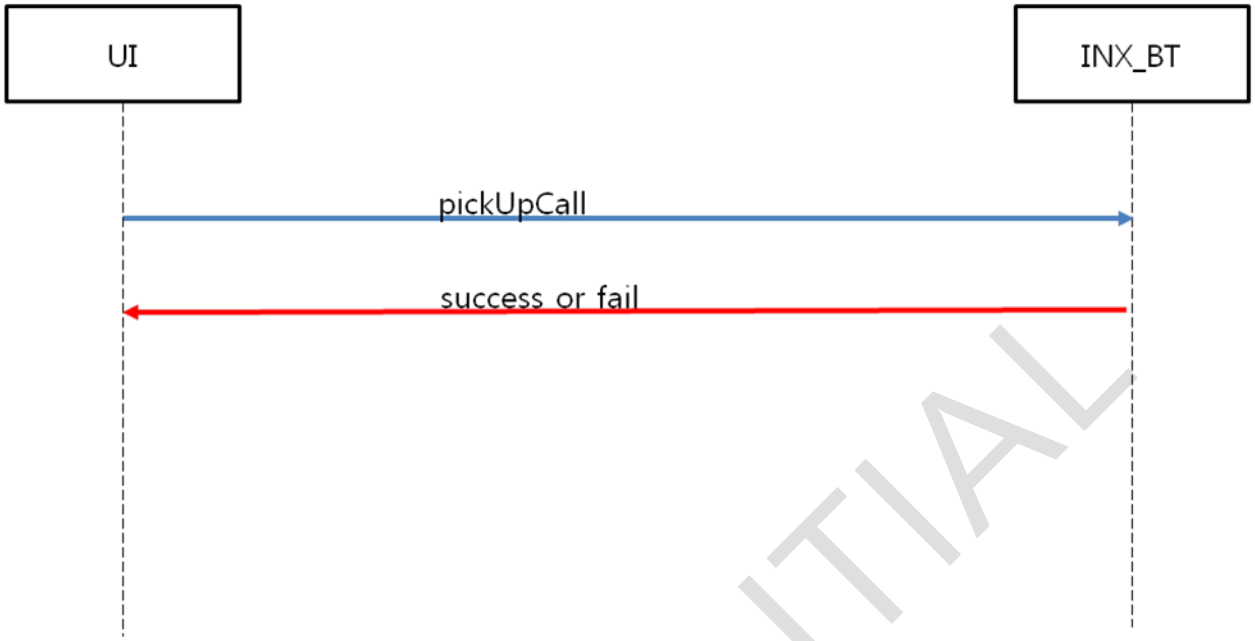
2.3.3 Get HS connected device address



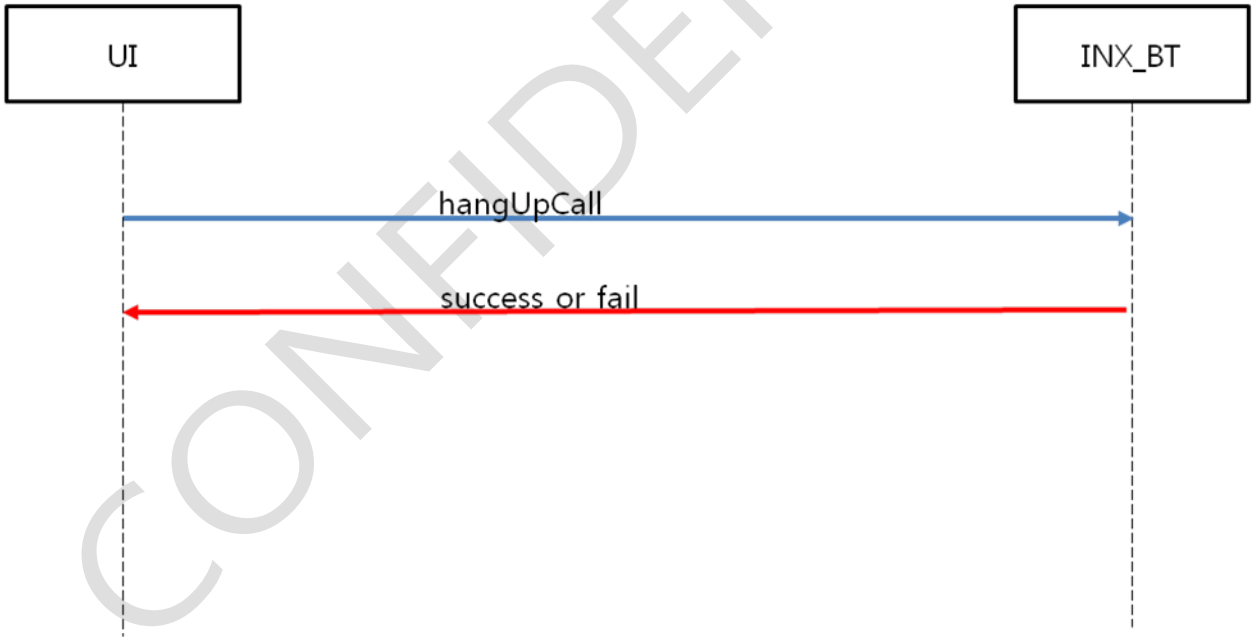
2.3.4 Get HS latest connected device index



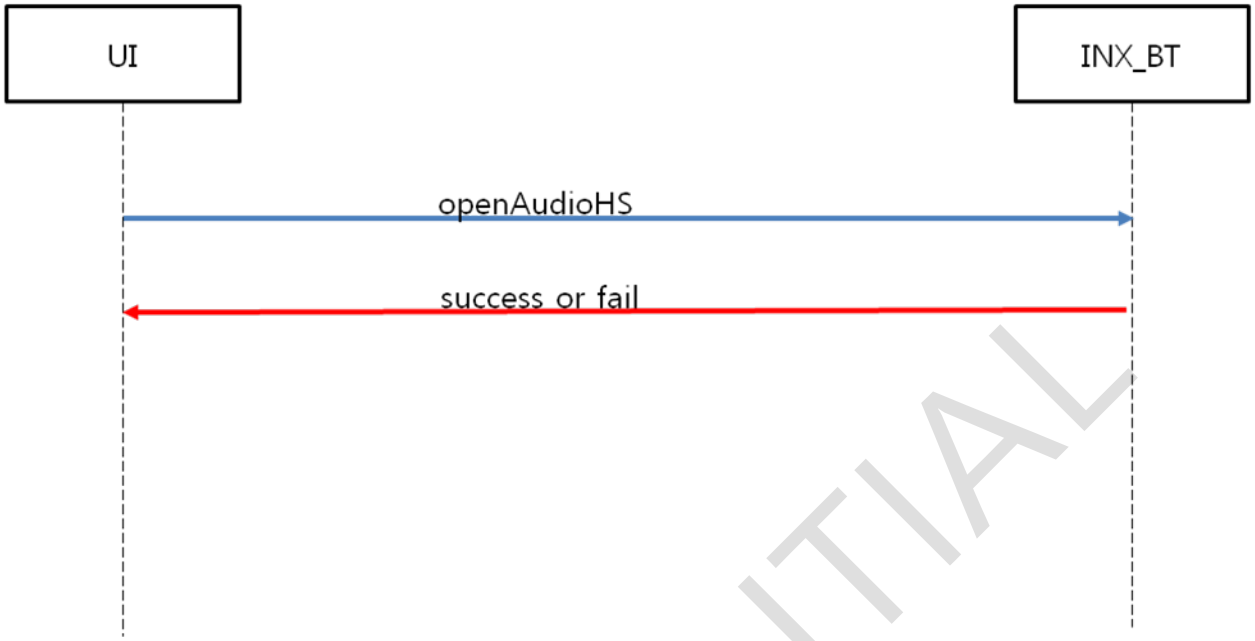
2.3.5 Pickup the call



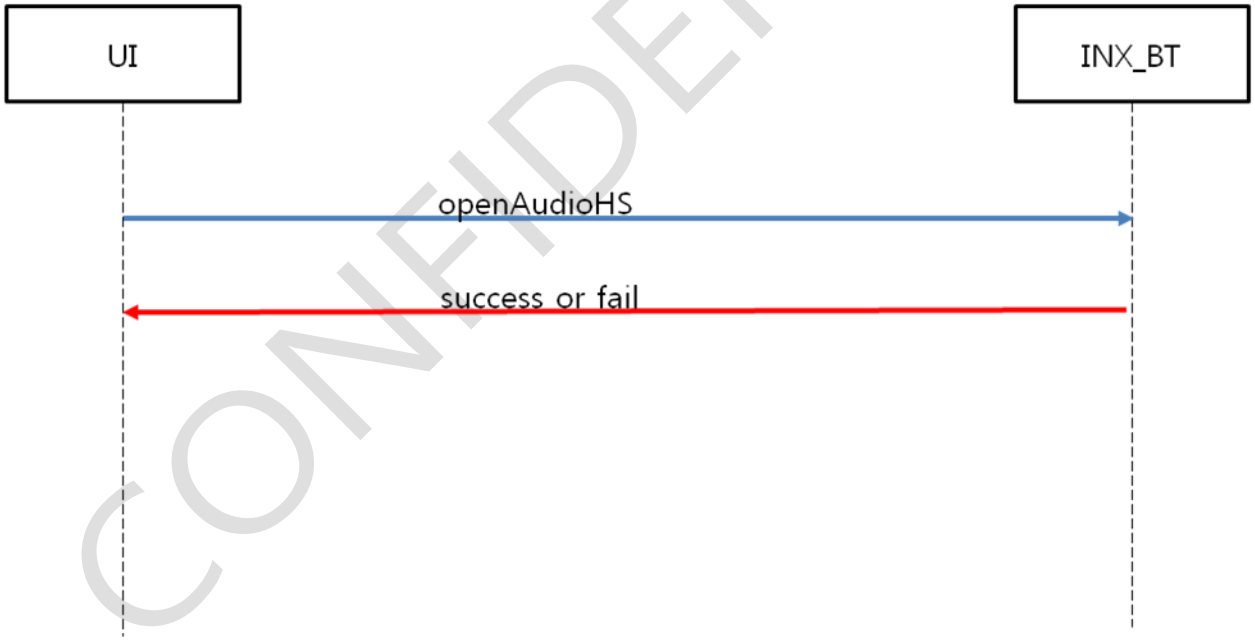
2.3.6 Hang up the call



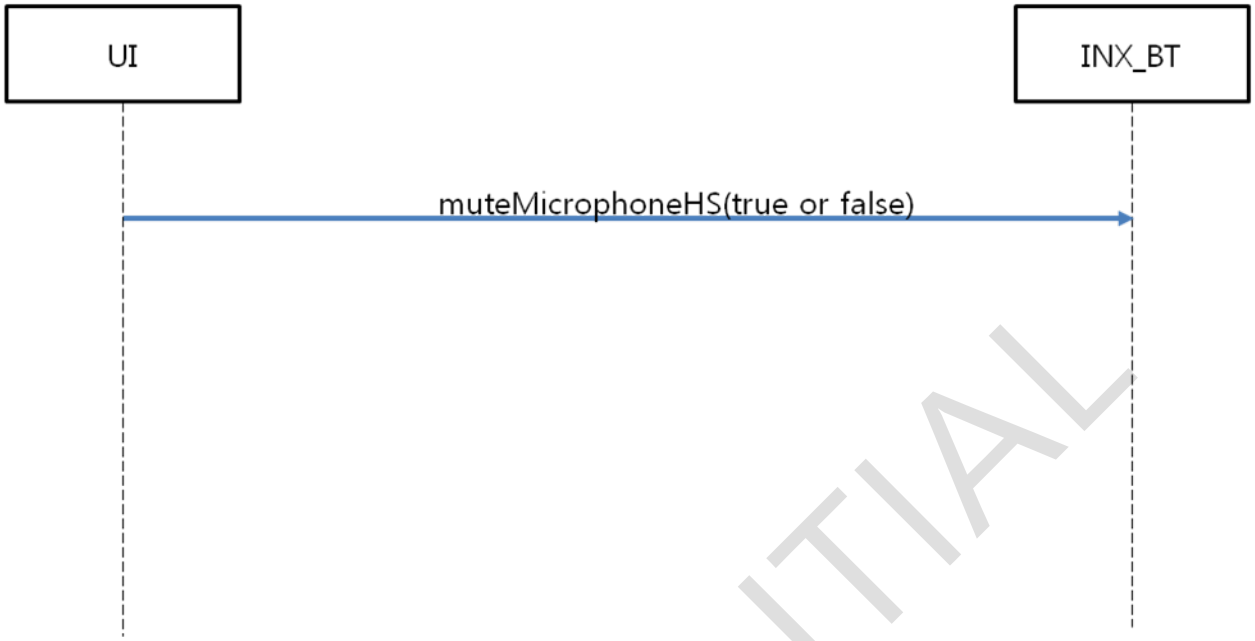
2.3.7 Open the HS audio



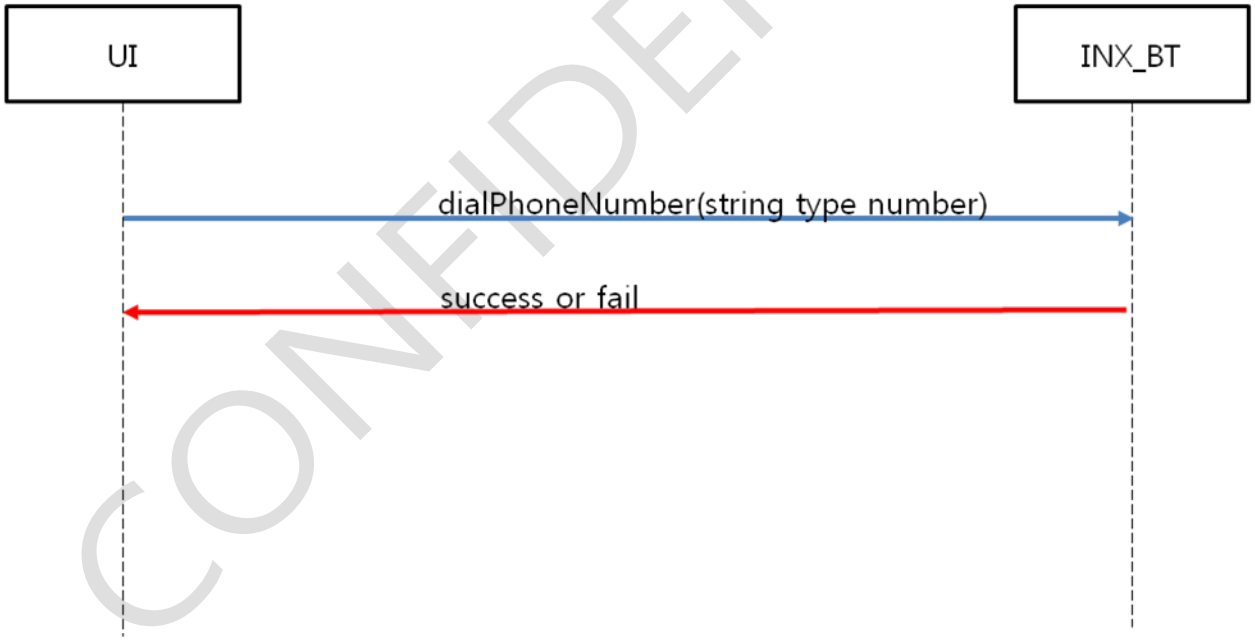
2.3.8 Close the HS audio



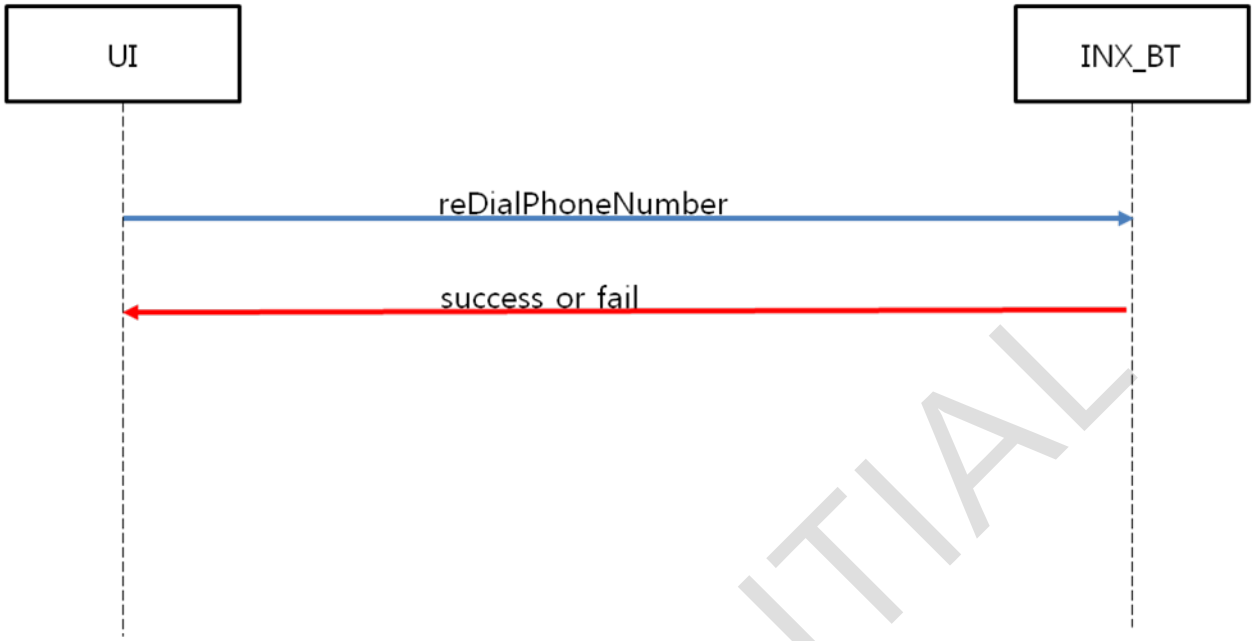
2.3.9 Mute/Unmute microphone



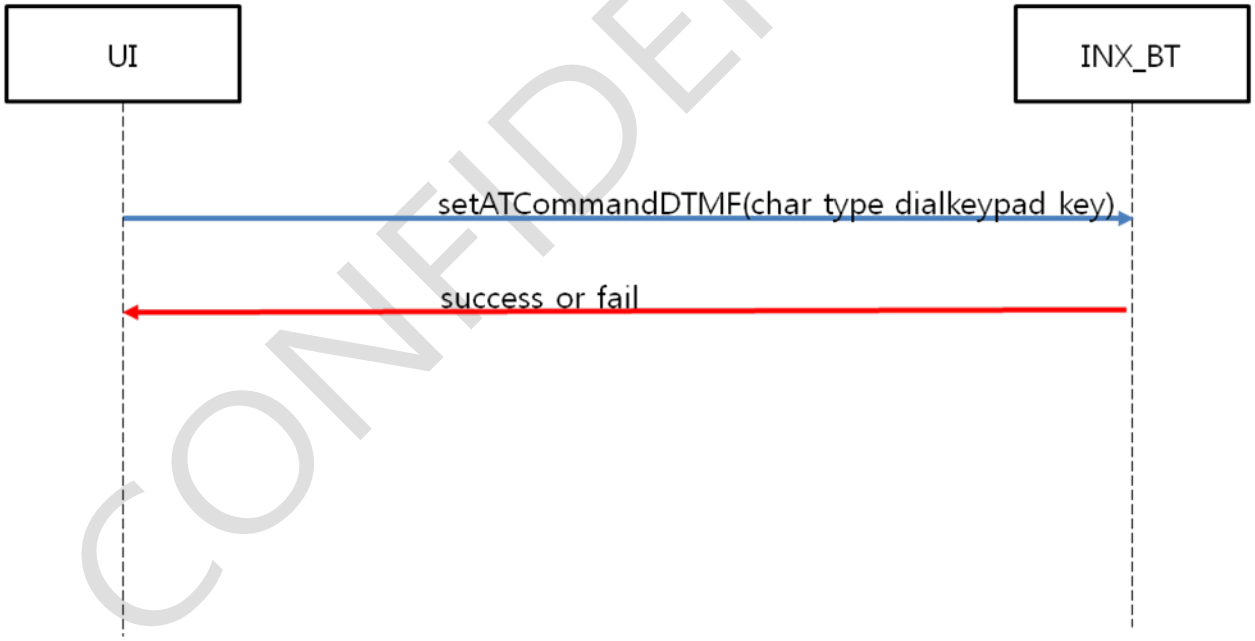
2.3.10 Dial



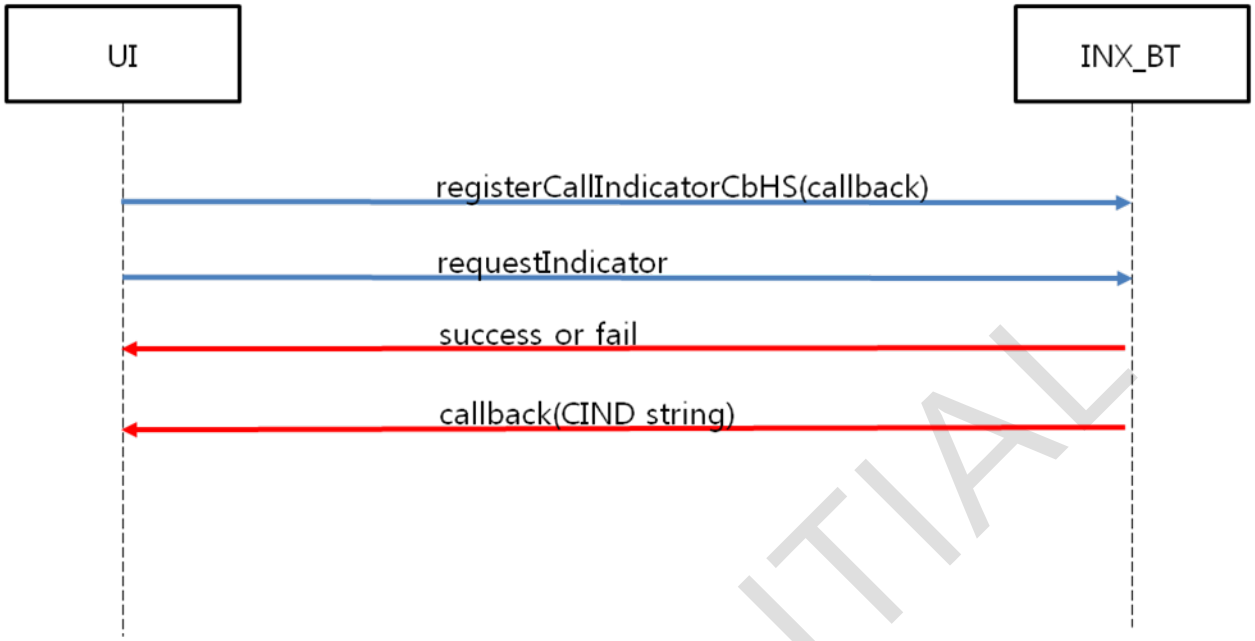
2.3.11 Redial



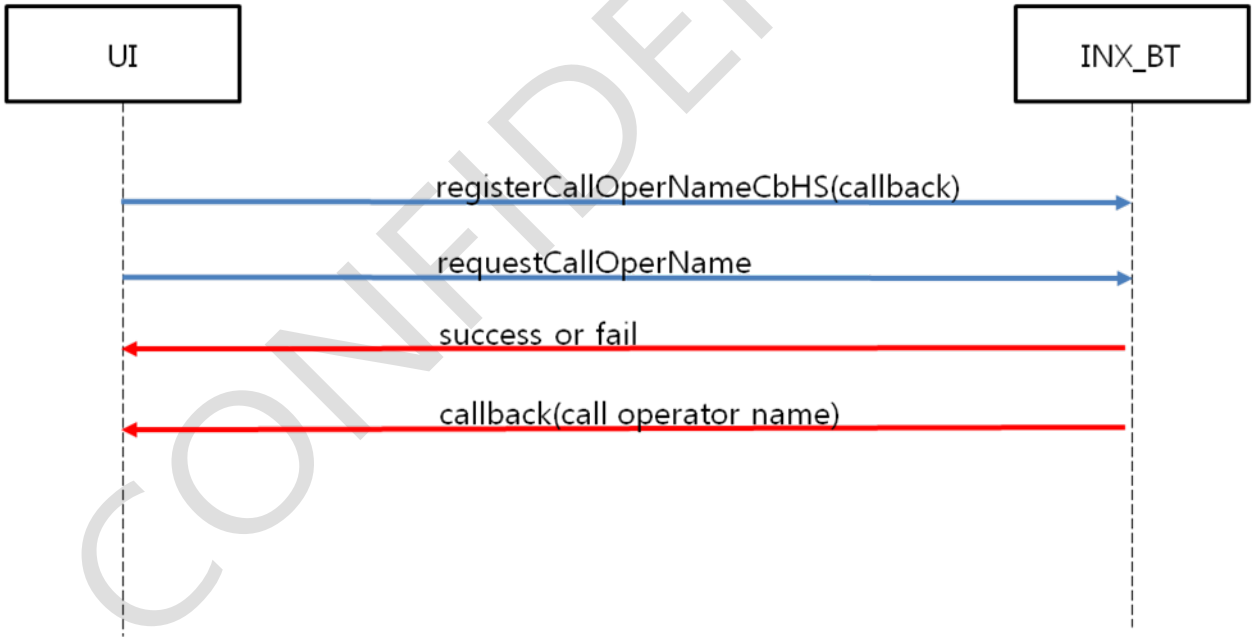
2.3.12 Send DTMF



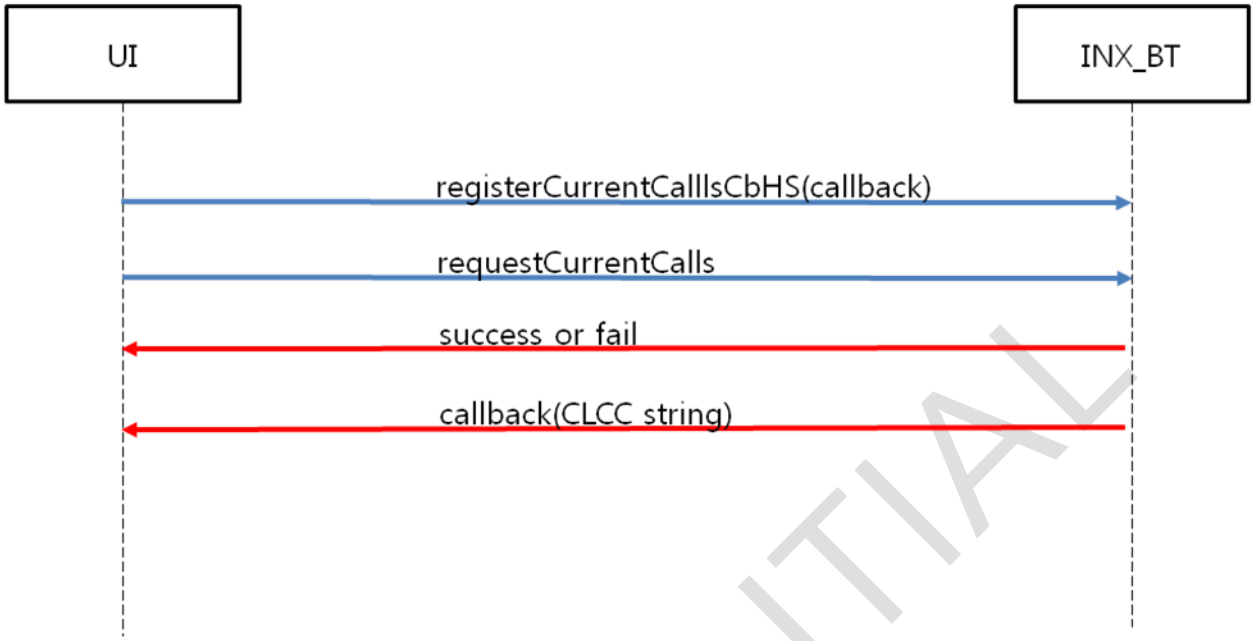
2.3.13 Request indicator call



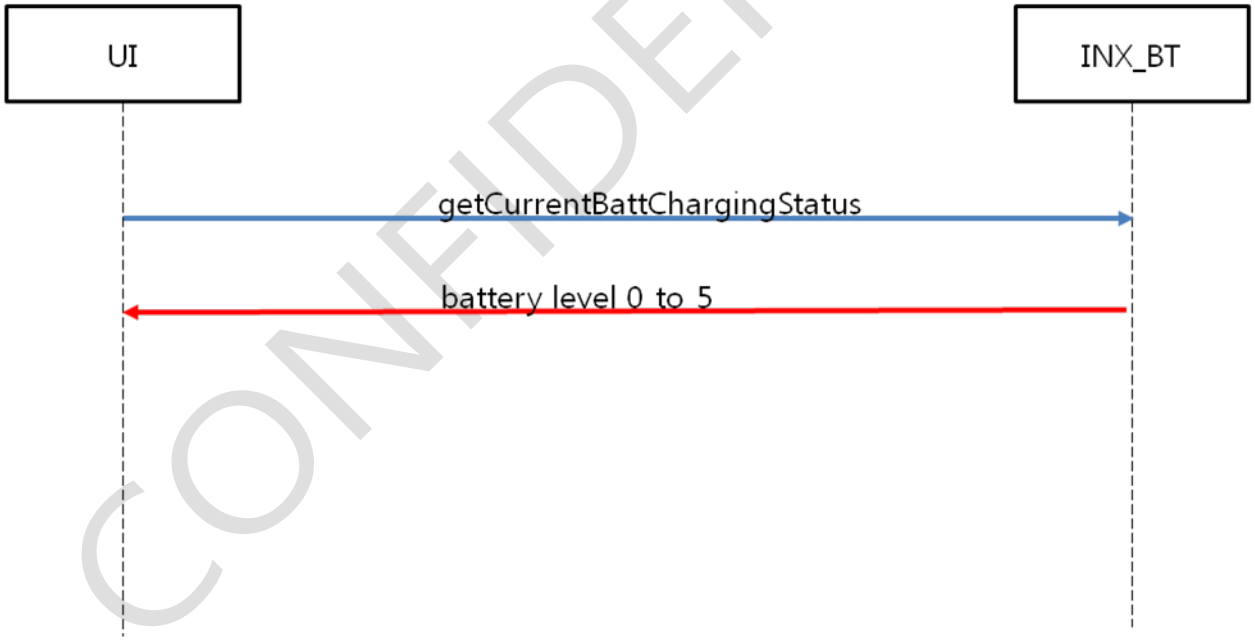
2.3.14 Request call operator's name



2.3.15 Request current calls

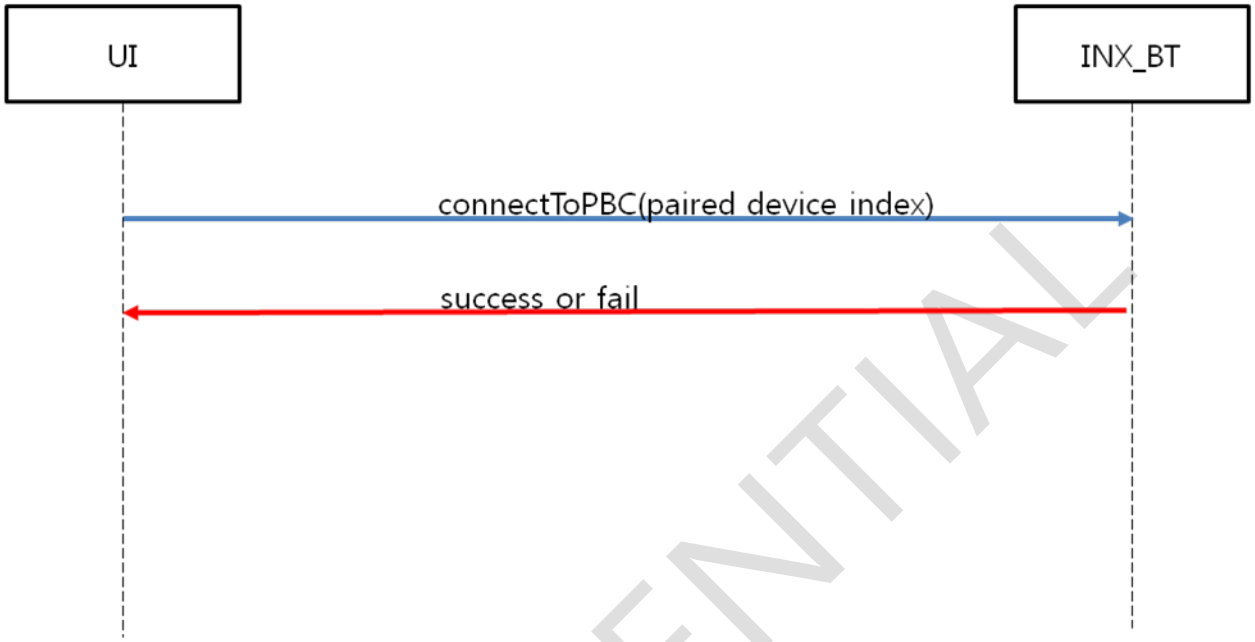


2.3.16 Get battery charging level

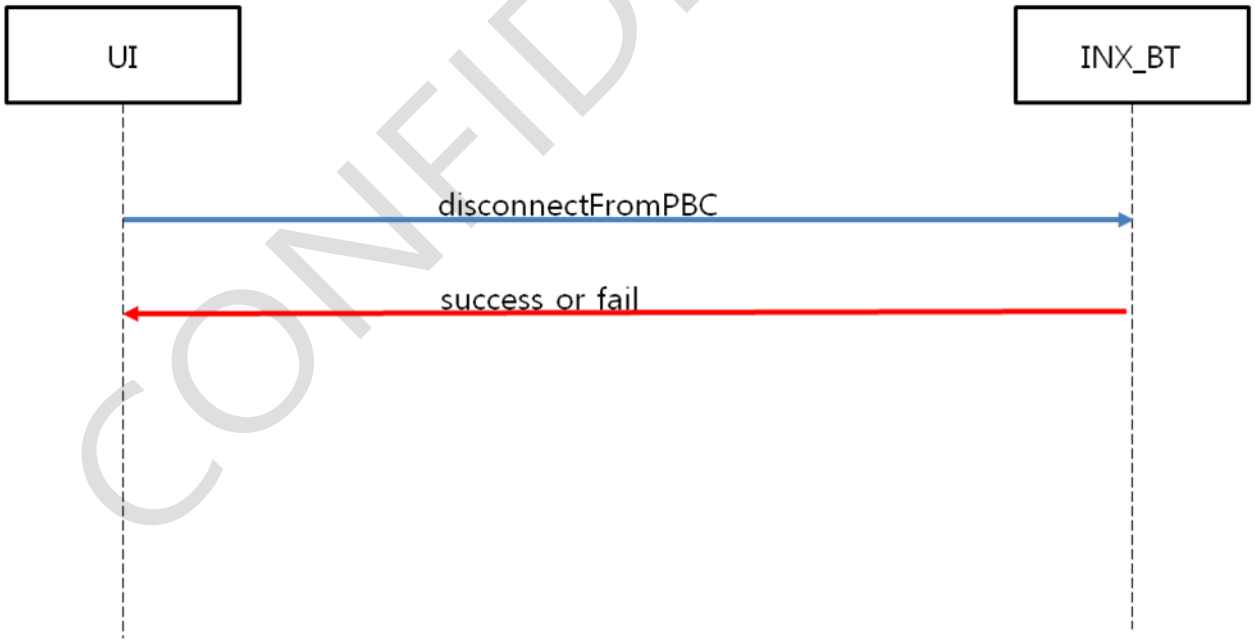


2.4 PBC functions (PBAP)

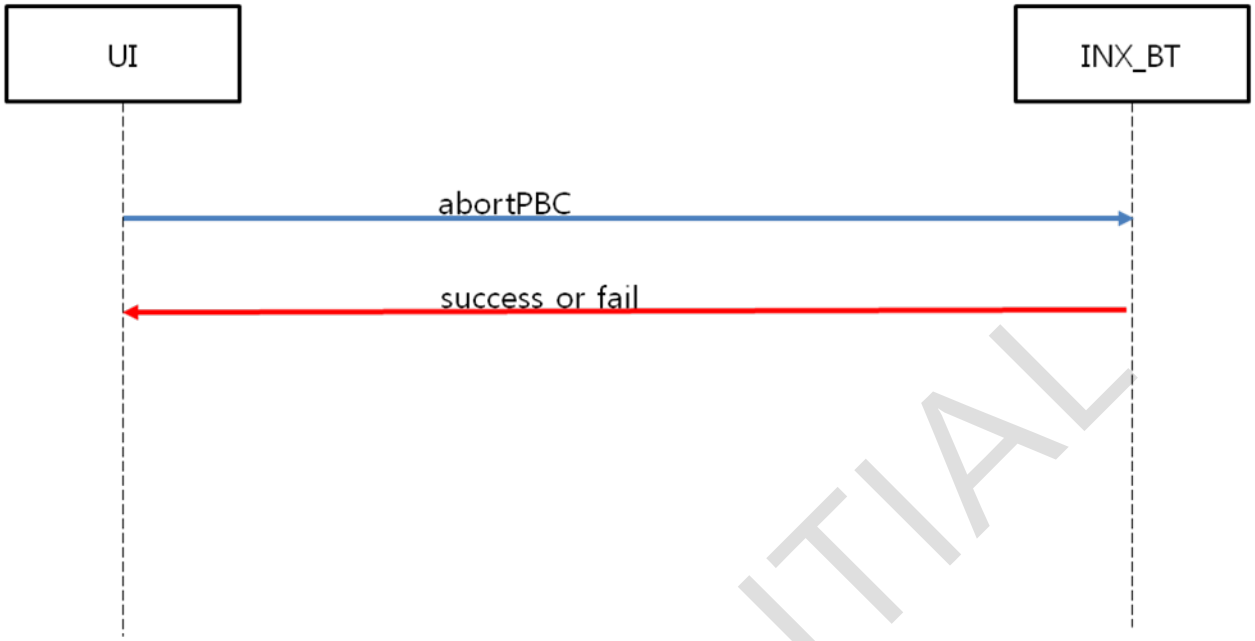
2.4.1 PBC connection



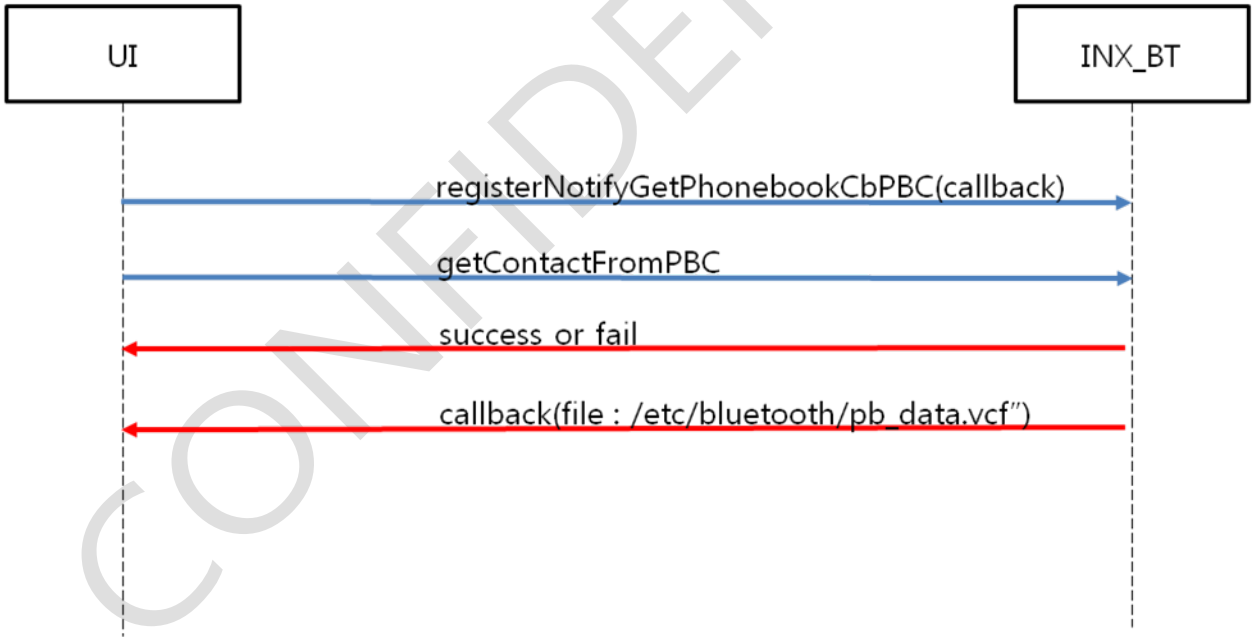
2.4.2 PBC disconnection



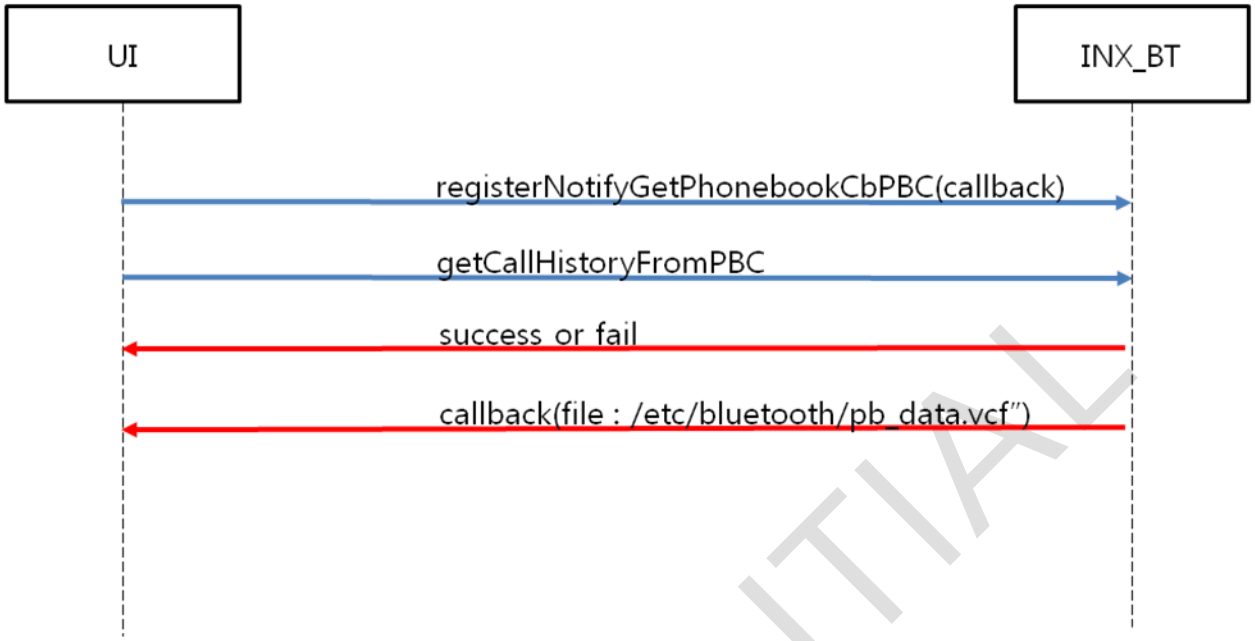
2.4.3 Abort PBC



2.4.4 Get contacts

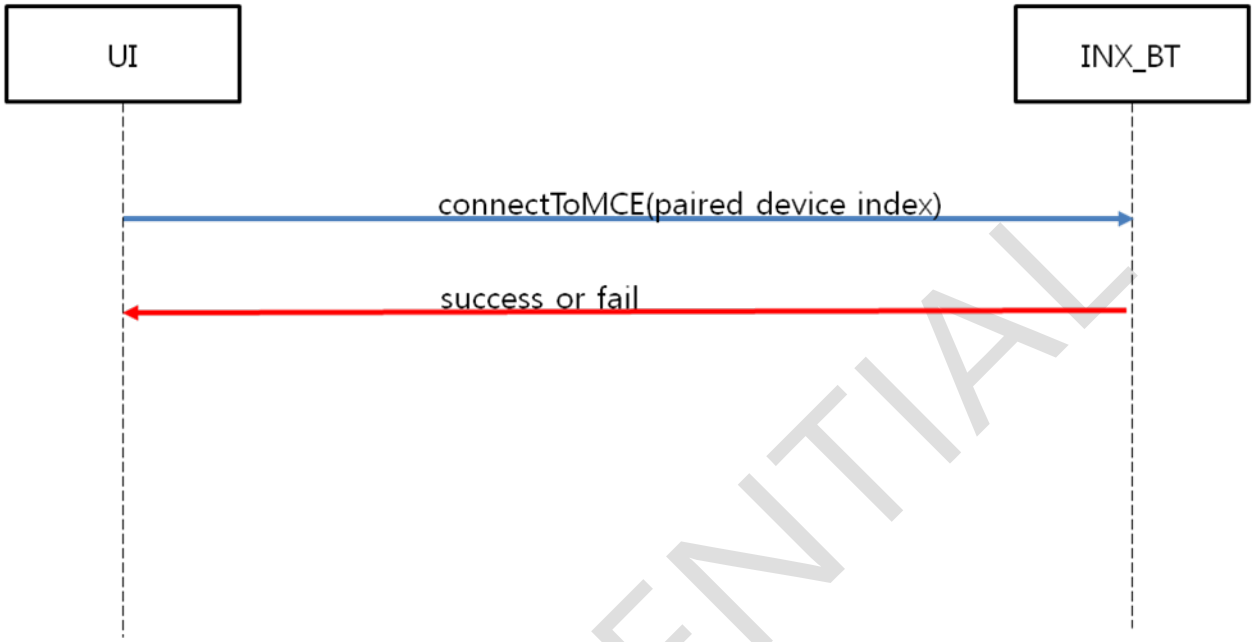


2.4.5 Get a call log

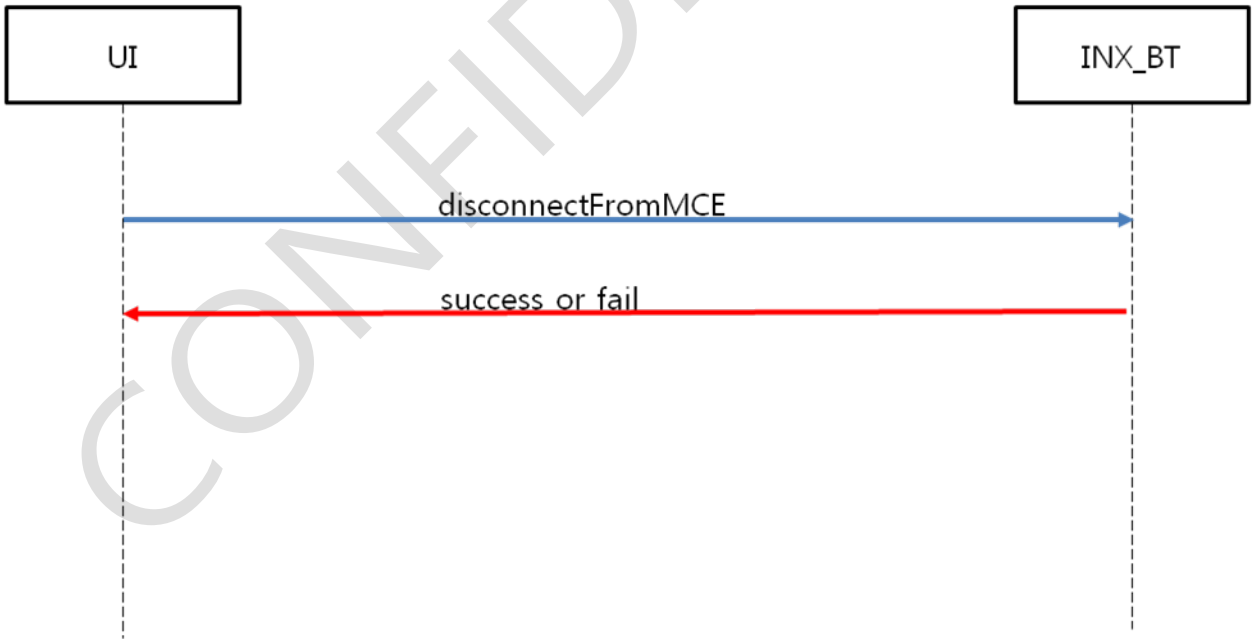


2.5 MCE functions (MAP)

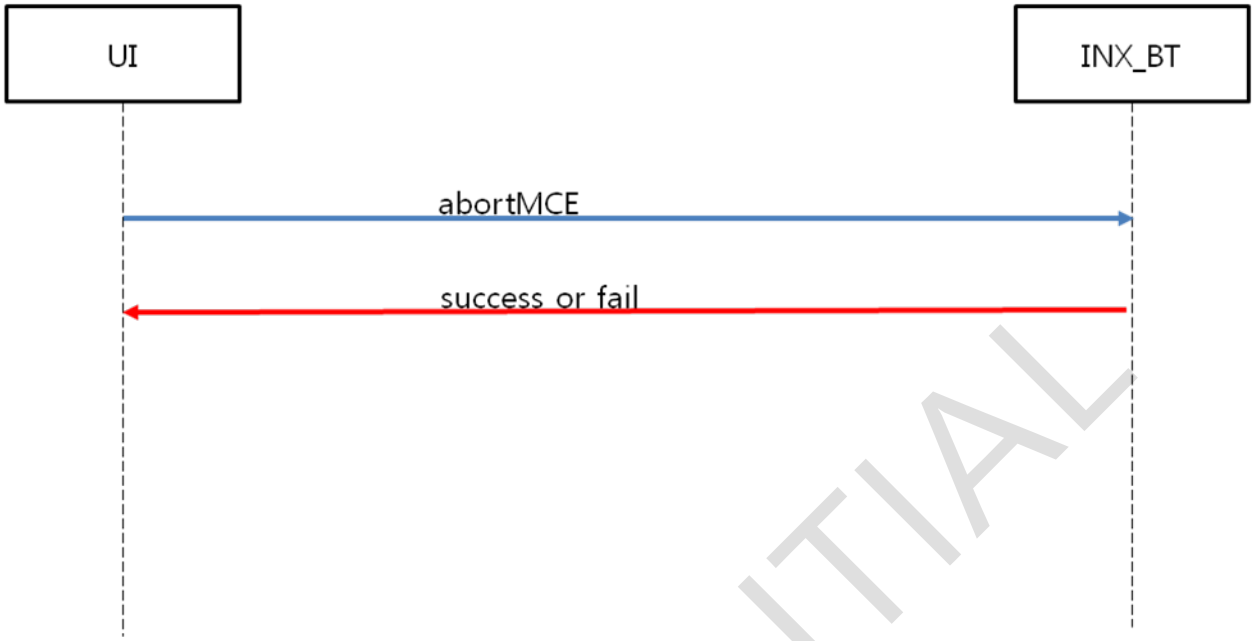
2.5.1 MCE connection



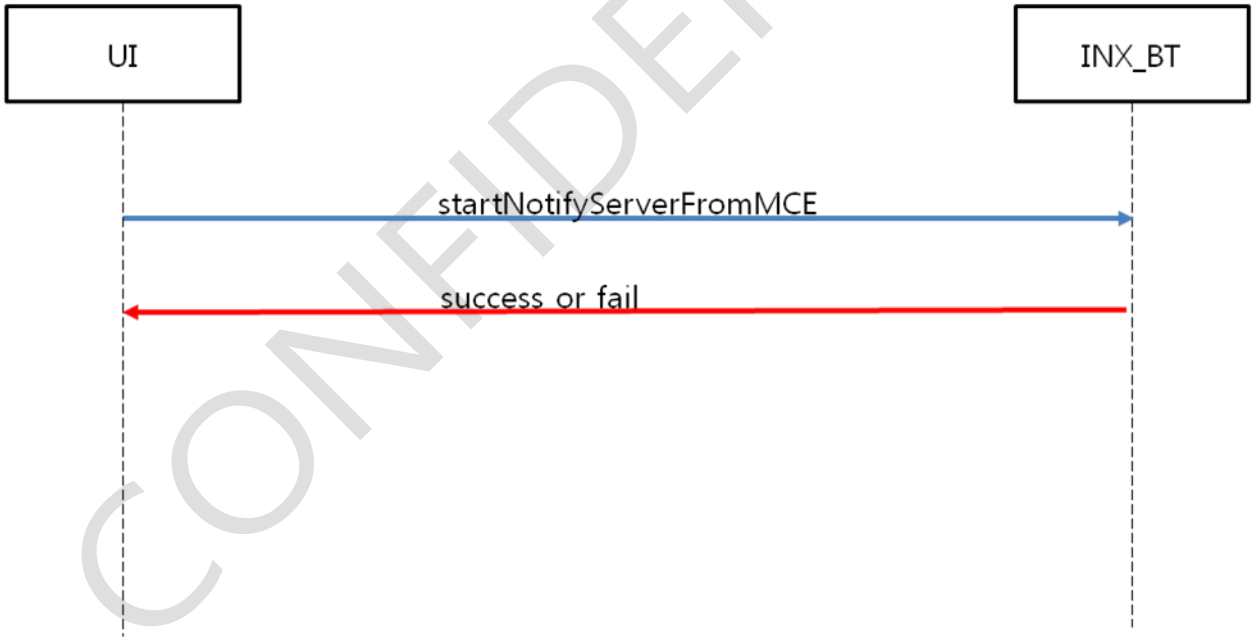
2.5.2 MCE disconnection



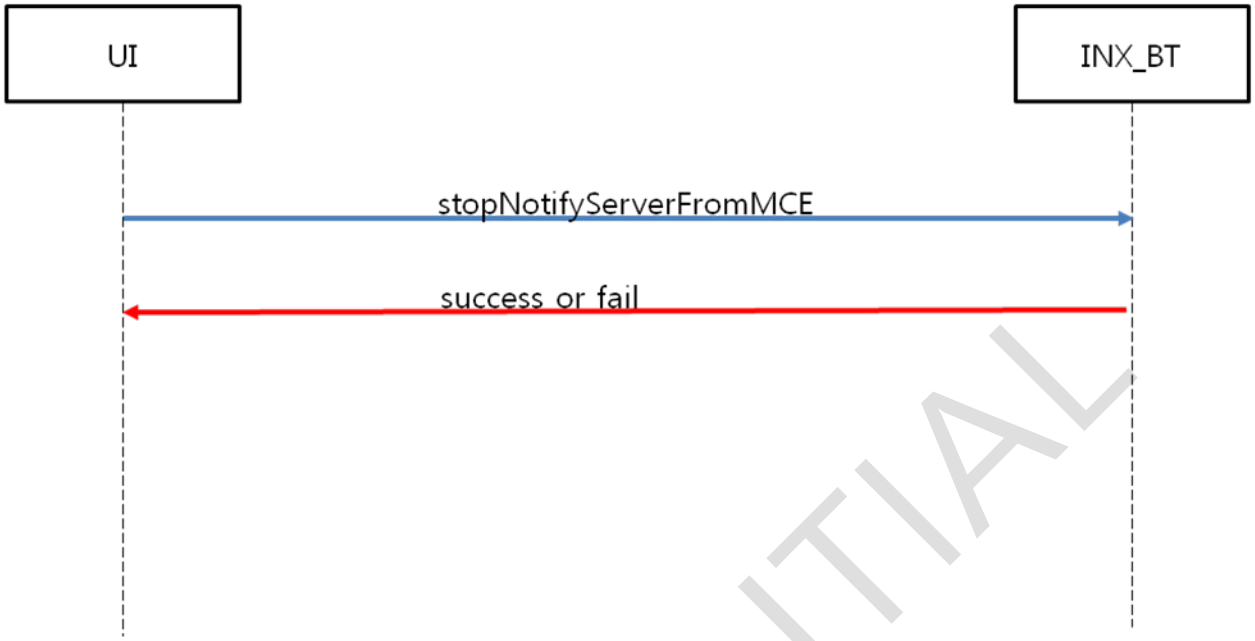
2.5.3 Abort MCE



2.5.4 Start MNS



2.5.5 Stop MNS



2.5.6 Get latest received message