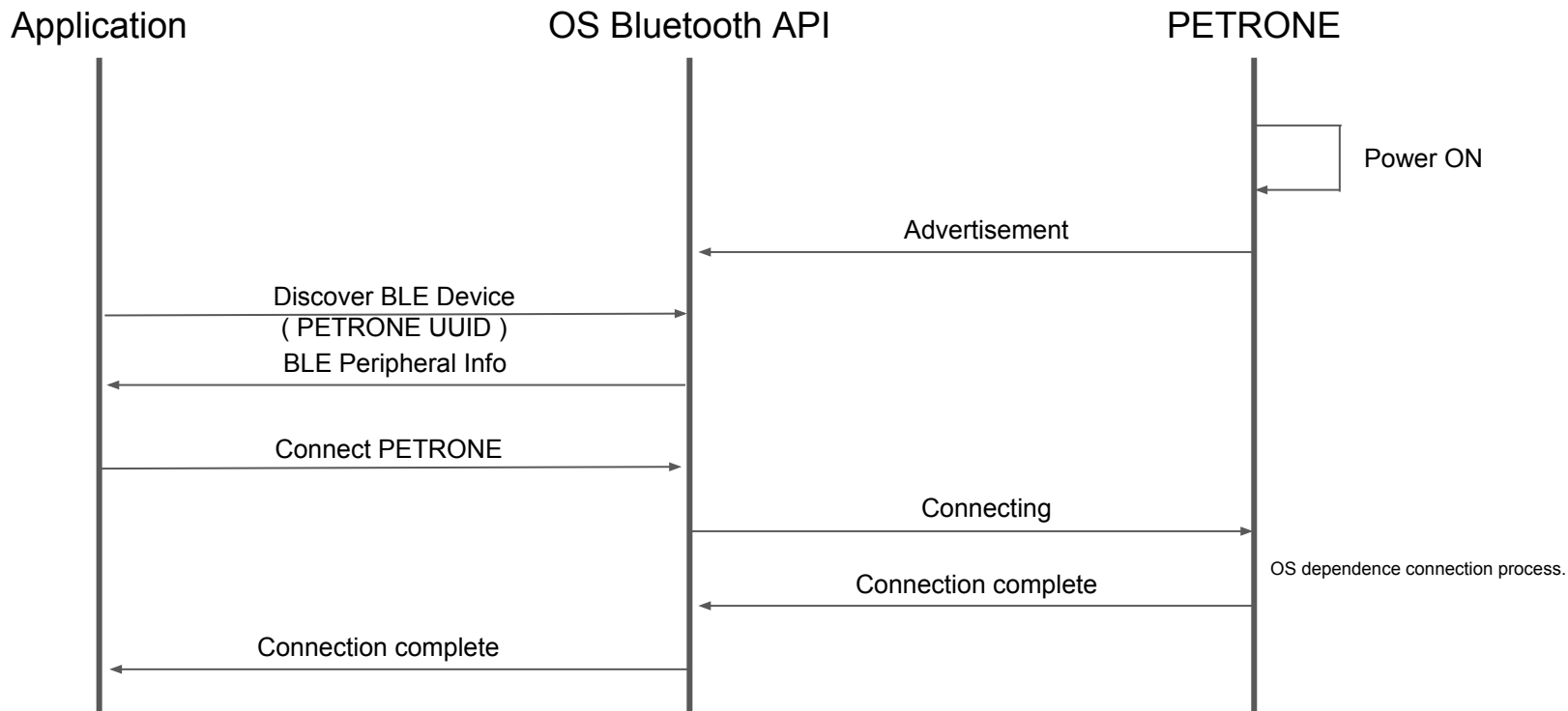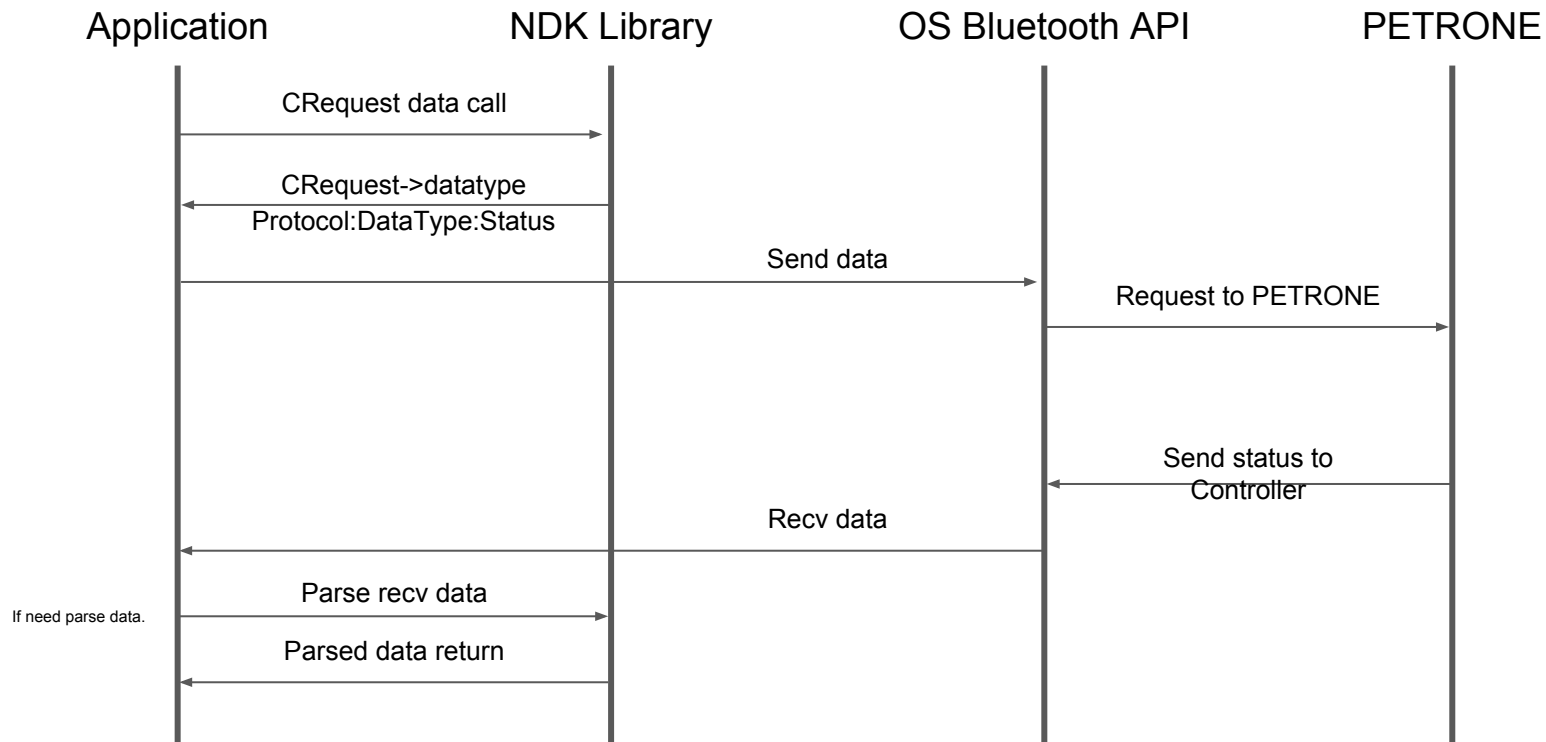# PETRONE

Petrone sequence diagram example

2017.06.13

Connect PETRONE

PETRONE use typical ble connection.

PETRONE responsible command (ex: status)

Application   NDK Library   OS Bluetooth API   PETRONE

CRequest data call

CRequest->datatype
Protocol:DataType:Status

Send data

Request to PETRONE

Send status to
Controller

Recv data

If need parse data.   Parse recv data

Parsed data return

PETRONE no response command (Take Off)

Application	NDK Library	OS Bluetooth API	PETRONE

Request landing data

Create landing packet

TakeOff data array

CLedEventCommand
ByrobotProtocol::CommandType::FlightEvent
ByrobotProtocol::FlightEvent::TakeOff

Send data

Send to PETRONE

TakeOff
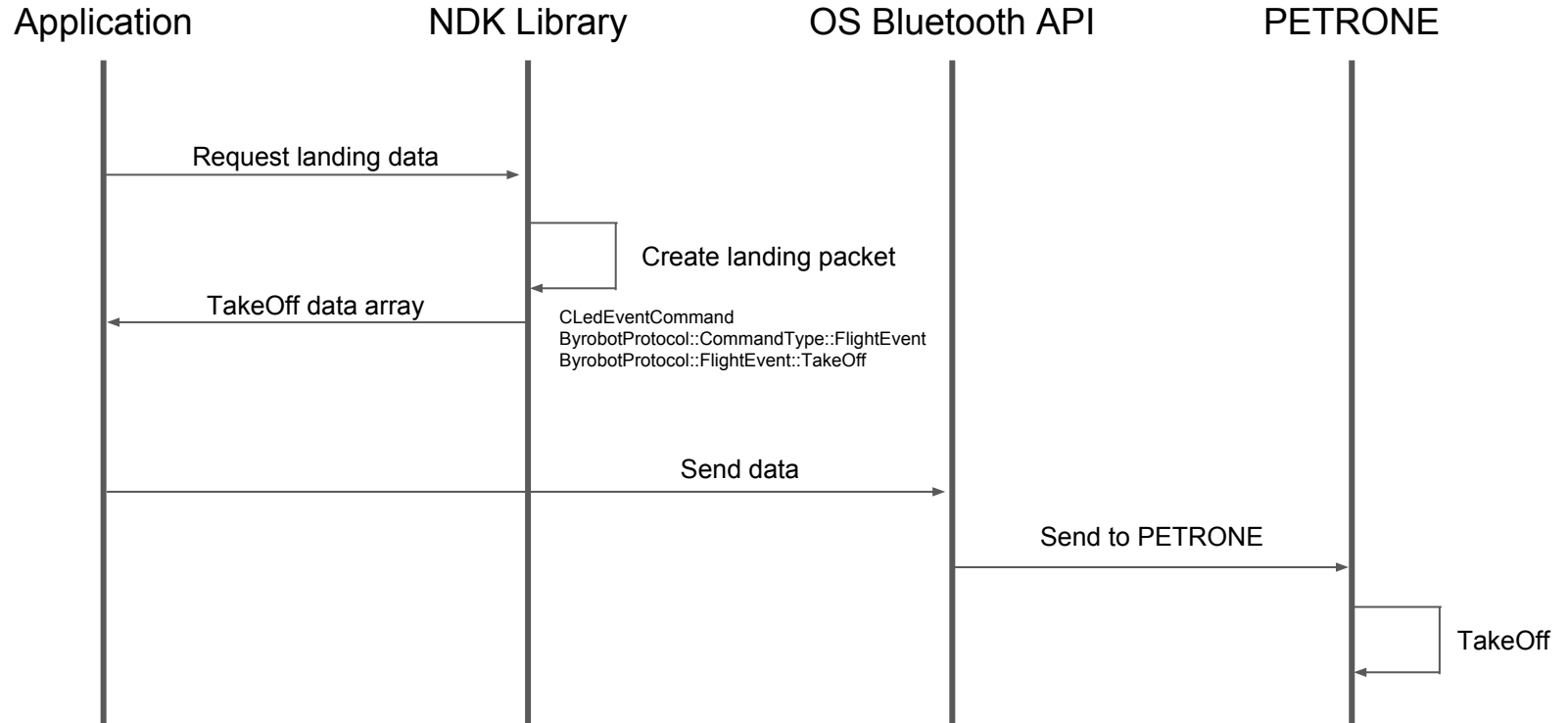
PETRONE no response command (Change color)
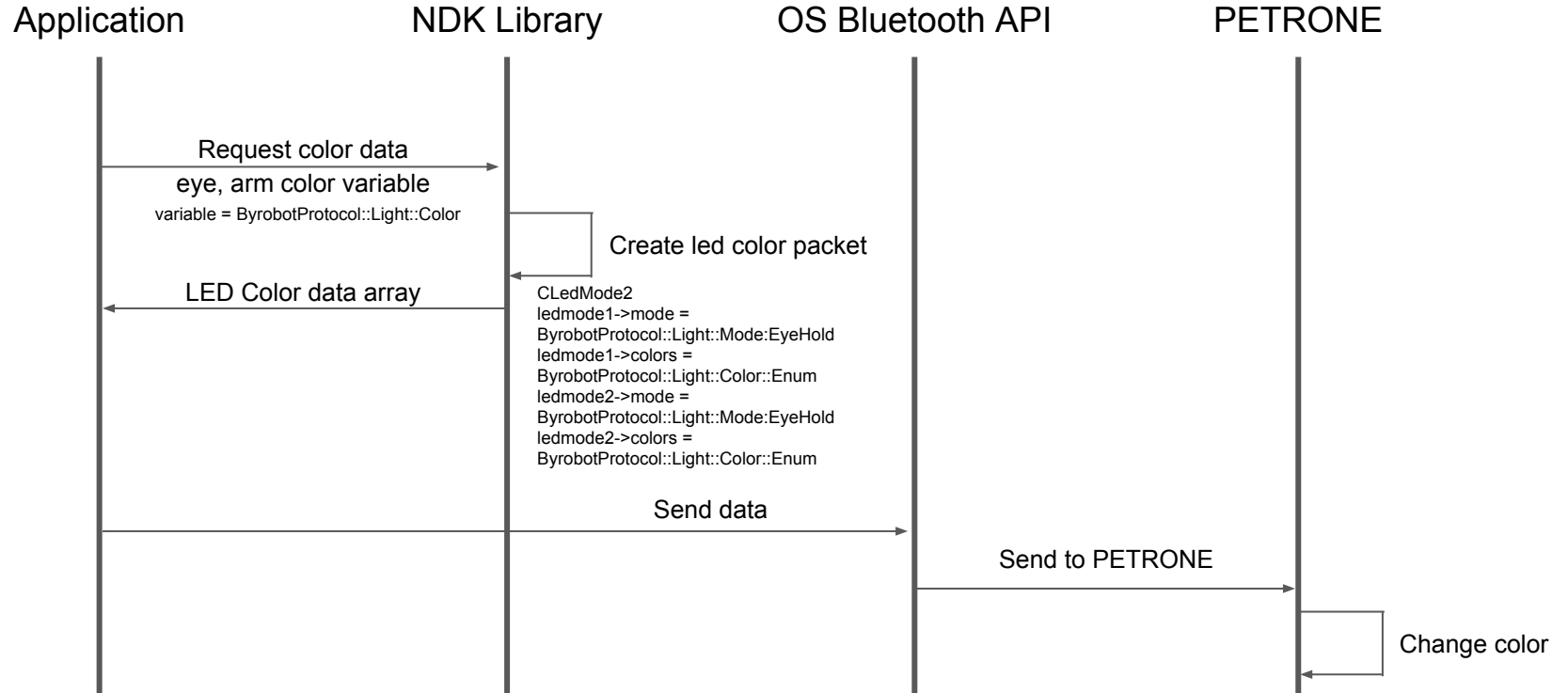
PETRONE no response command (Landing)

Application NDK Library OS Bluetooth API PETRONE

Request landing data

Create landing packet

Landing data array
CLedEventCommand
ByrobotProtocol::CommandType::FlightEvent
ByrobotProtocol::FlightEvent::Landing

Send data

Send to PETRONE

Landing

Disconnect PETRONE

PETRONE use typical ble connection.

Application	OS Bluetooth API	PETRONE

Disconnect PETRONE →

Disconnect
OS dependence connection process.

← Disconnected from PETRONE