The workflow of connectivity verification with the KDDI network

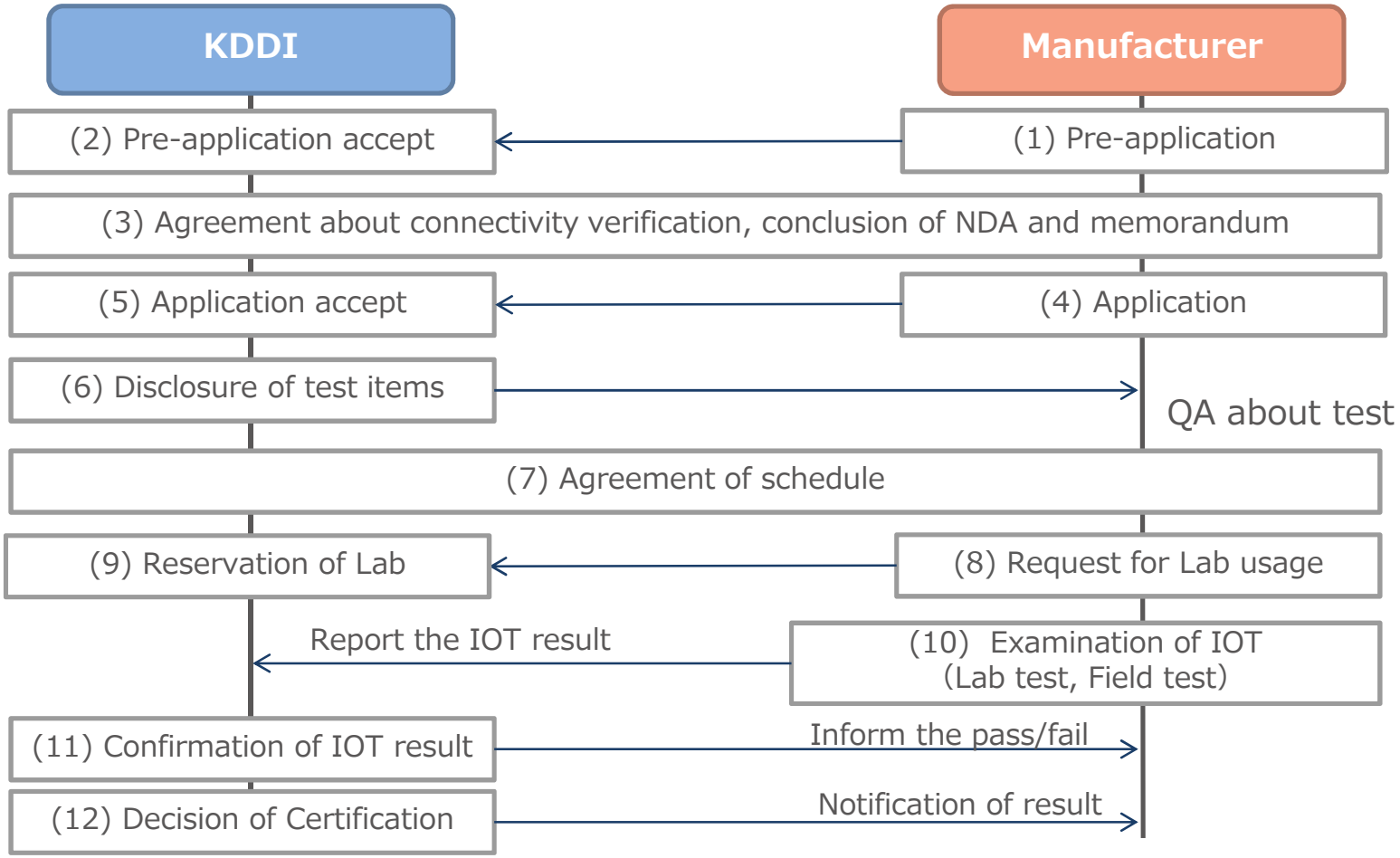
KDDI CORPORATION

December 2015

Workflow from application to connectivity verification

- **This document describes the workflow of connectivity verification with our network for manufacturers which develop their own mobile terminals.**

[Standard flow]



Documents provided from manufacturers

- **At the time of "(1) Pre-application", please fill in the required items on the "Application form" from our web site and send it.*1**

  ⇒ **After confirming the application of IOT, we will provide the following documents.**

  <Documents>

  NDA, Memorandum about the examination of IOT (after the conclusion of the NDA)

*1 In our network, if a problem such as interference has occurred by a mobile terminal developed by a manufacturer, we may reject that mobile terminal. To prevent such a situation, we request to confirm the connectivity with our network.

- **After "(5) Application accepted", we will provide the technical information*2 related to the examination of IOT.**

*2 We will provide test items for examination with our network at this time.

- **At the time of "(10) Examination of IOT", please submit the following documents to confirm that the mobile terminal complies with the Technical Regulations defined by Japanese law.**

  <Submitted documents>

  Technical Regulations Conformity Certification or,

  Attestation of the construction design of specified radio equipment

Laws and regulations

- **In case that manufacturers will sell mobile terminals connected to our network in Japan, the manufacturers shall comply with the following laws and regulations at your own risk.**

<Related laws and regulations>

- Telecommunications Business Law and related decrees, orders, and notices
- Radio Law and related decrees, orders, and notices

<Technical Regulations Conformity Certification >

- **KDDI has obtained Blanket Licenses for the mobile terminals.**

※ An operator can obtain the blanket license if the type of radio waves, frequencies and the upper limit of the maximum transmission power of the mobile terminal which are the same.

- **Manufacturers need to obtain the Technical Regulations Conformity Certification based on the Radio Law to connect our network.**

About Band1 Certification of KDDI devices

- **Since the PHS band is close to Band1, the upper limit of unnecessary radiation (-41dBm/300kHz) is restricted by 3GPP specifications and the Japanese Radio Law.**

- **Devices connected to KDDI network shall comply with the following frequency and transmission power in Band1.**

<Channel Bandwidth : 5MHz>

1922.5MHz～1927.1MHz(100kHz interval 47 waves) ＸＸdBm

1927.2MHz～1977.5MHz(100kHz interval 504 waves) 23dBm

<Channel Bandwidth : 10MHz>

1925.0MHz～1934.6MHz(100kHz interval 97 waves) △△dBm

1934.7MHz～1975.0MHz(100kHz interval 404 waves) 23dBm

<Channel Bandwidth : 15MHz>

1927.5MHz～1942.1MHz(100kHz interval 147 waves) ○○dBm

1932.5MHz (Only when a device transmits up to 5.4MHz width consecutively between 1927.19MHz and 1937.81MHz) 23dBm

1942.2MHz～1972.5MHz(100kHz interval 304 waves) 23dBm

<Channel Bandwidth : 20MHz>

1930.0MHz～1949.6MHz (100kHz interval 197 waves) ●●dBm

1930MHz (Only when a device transmits up to 4.32MHz width consecutively between 19225.32MHz and 1934.68MHz) 23dBm

1949.7MHz～1970.0MHz(100kHz interval 204 waves) 23dBm

*Blue: Frequency :
3GPP TS36.101 Table 6.6.3.3.1-2

*Red: Power reduction : Japanese radio law

* The information enclosed with < > may not be listed depending on the certification organization.

* Manufacturers determine "XX","△△","○○","●●".

<Inquiries>

Product & Device Technology Dept.

*To contact us, please fill in the required items and your inquiry on the “Application form” from our web site and send it.

- **Published in December 2015**