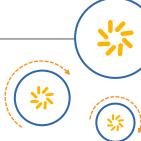


Qualcomm Technologies, Inc.



# **Device Registration Subsystem 2.0.0**

User Guide (Individual)

DRS-User-Guide-Individual-2.0.0

November 26, 2019

## **Revision history**

Revision	Date	Description
А		Second Release

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### 1. Introduction

Device Registration Subsystem (DRS) is the subsystem of Device Identification, Registration & Blocking System (DIRBS). It provides a platform for individual(s) to request for device registration, association and de-association with unique identity.

Individuals are people who are not licensed to import devices into the country, but are allowed to import a small number of devices via personal import exceptions.

The Device Identification, Registration & Blocking System (DIRBS) is a country-wide system deployed in cooperation between the country regulator, operators in that country, and a technology partner that supports deployment. The system checks, identifies, and discourages non-compliant devices by verifying the installed base of devices currently active in a market and continuing to monitor as new devices are activated.

DIRBS can verify that:

- Devices have properly allocated identifiers and type approval
- · Devices are not duplicated or stolen
- Device importation takes place through legal channels

#### 1.1. Purpose

This document is intended to give assistance to the user to use the Device Registration Subsystem (DRS).

#### 1.2. Supported Desktop Browsers

**Table 1-Supported Desktop Browsers** 

Name	Version
Internet Explorer	11.0
Firefox 52.5 ESR	57.0
Chrome	63.0
Safari	11.0
Edge	41.16299

### 1.3. Supported Mobile Browsers

**Table 2-Supported Mobile Browsers** 

Name	Version
Chrome	63.0
UC Browser	11.5
Opera (Android)	44.1
Opera(iOS)	16.0.7
Safari	11.1
Samsung Internet	6.2
Android	4.1.x - 4.3

### 1.4. Definitions, Acronyms, and Abbreviations

**Table 3-Definition, Acronyms, and Abbreviations** 

Term	Definition	
DIRBS	Device Identification Registration and Blocking System	
IAM	Identity Access Management System	
DRS	Device Registration Subsystem	
MSISDN	Mobile Subscriber Integrated Services Directory Number	
IMEI	International Mobile Equipment Identity	
IMSI	International mobile subscriber identity	
TAC	Type Allocation Code	

# 2. System Description

**Table 4-System Description** 

Feature/Sections	Explanation
Registration	Allows user to register his/her account to register, associate and de-associate device(s)
Login Screen	To access the system, authorized user first needs to enter his/her credentials on login page, this login page authenticate user from the IAM and redirects user to DRS
Portal Sections	The portal is divided into the following sections.
	Header     Header section displays name of the system and it contains following features.
	<ul> <li>Language Selection Drop-Down         Allows user to change the language of system in English,         Spanish and Indonesian.     </li> </ul>
	User Profile Drop-down     Displays the user name with logout functionality.
	Notification Alert Icon     Generates the notification whenever user (reviewer)     Updates/modifies status of the request (i.e. Approved, Information Requested, Rejected).
	Navigation Panel     Navigation Panel contains main navigation menu through which user can navigate the whole system.
	Main Content Area     Main Content Area contains all the content to be displayed and actions to be performed for respective feature.
	Breadcrumbs     Breadcrumbs allows user to keep track of their location within the system.
	Footer     Footer contains the software version and copyrights statement.

Feature/Sections	Explanation
Dashboard	The dashboard displays the total count of Pending Reviews, Awaited Documents, In-Review Requests and Information Requested requests. Also, it displays the recent pending requests along with their details
Device Registration	<ul> <li>Facilitate user to register their device(s) by completing following three steps</li> <li>Basic Registration Details</li> <li>Device Model Description</li> <li>Approval Documents</li> </ul>
Required Input(s) for Basic Registration	<ul> <li>Device Count             Takes the total number of devices as input.</li> <li>Number of IMEIs per Device             Takes total number of IMEIs that entered for per device as input.         </li> <li>Device IMEIs             Tab-delimited File             User can add up to 10,000,000 devices with 5 IMEIs per device.</li> <li>Webpage input             User can add up to 10 devices with 5 IMEI per device.</li> <li>Manufacturing Details             Allows user to select the manufacture location of the device (i.e. local or overseas).</li> </ul>

Feature/Sections	Explanation	
Required Inputs for Device Model description	Brand     Takes brand name of the device as input. Enter the brand name of device to be registered.	
	Model Name     Takes the model name of device as input. Enter model name of device to be registered.	
	Model Number     Takes the Model name of the device as input. Enter model name of the device to be registered.	
	Device Type     Allows user to select type of the device (i.e. smart phone, tablet, dongle, router, Feature phone etc.) from drop-down menu.	
	Operating System     Takes the operating system (i.e. android, IOS) of device as input. Enter the operating system of device to be registered.	
	<ul> <li>Radio Access Technology         Allows user to select the radio-based technologies i.e. 2G, 3G, 4G that your device supports.     </li> </ul>	
Approval Documents	Three types of approval documents are required for registration of the device Shipment Document Authorization Document Certificate Document	
Association	Facilitates user to associate particular IMEIs with his/her unique identity	
De-Association	Allows user to de-associate IMEIs from his/her identity	
Search Requests	<ul> <li>Allows user to search a particular request by applying different filters i.e. request ID, request status, device IMEI, create date, last updated, brand, model name, model number, device type, operating system, technologies, device count, number of IMEIs per device, manufacturing location</li> </ul>	

Feature/Sections	Explanation
Feature/Sections Request Status	<ul> <li>New Request         Add/Verify details of the device model.</li> <li>Awaiting Documents         Approval documents are required to be uploaded.</li> <li>Pending Review         Request is not yet assigned to any authorized entity.</li> <li>In Review         Request has assigned to authorize entity.</li> <li>Information Requested         Request has some missing information.</li> </ul>
	<ul> <li>Approved Request has been approved by authorized entity.</li> <li>Rejected Request has been rejected by authorized entity due to invalid information.</li> <li>Closed Request has been closed by the user(importer).</li> </ul>

# 3. System Navigation

## 3.1. Registration

To register user account please follow below mentioned steps.

1. Click on "Register" link.

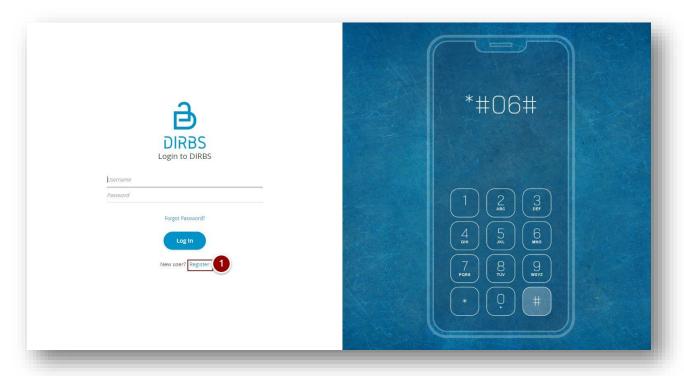


Figure 1- Account Registration

- 2. Enter all the information i.e. First name, Last name, National Identity number, Email, Username, Password and Confirm Password.
- 3. Click on "Register Button"



Figure 2- Personal Information

- 4. Select user group "DRS INDIVIDUAL"
- 5. Click on "Submit" button



Figure 3- User Role

## 3.2. Login Screen

- 1. Enter your credentials i.e. Username and Password.
- 2. Click on the "Log in" button.

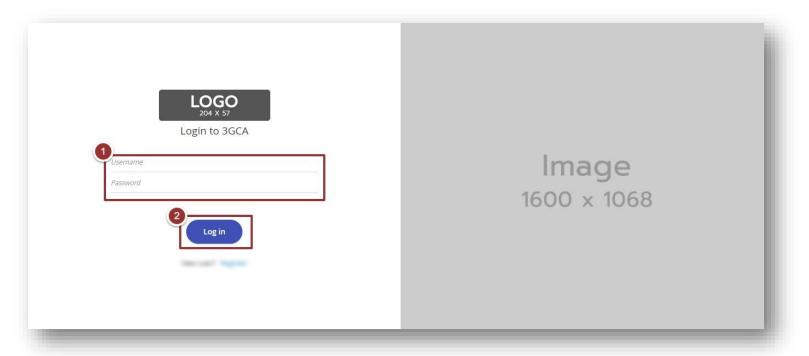


Figure 4-Login Screen

#### 3.3. Portal Sections

The portal screen is divided into following sections.

- **1. Header** section displays name of the system, a dropdown menu for language selection, notification alert icon and name of logged in user with logout functionality.
- 2. Main Navigation Panel helps user to navigate the system.
- 3. Breadcrumbs is a navigational aid in UI.
- 4. Main Content Area contains all relevant information related to the respective feature/option.
- **5. Footer** contains version and copyrights of the system.

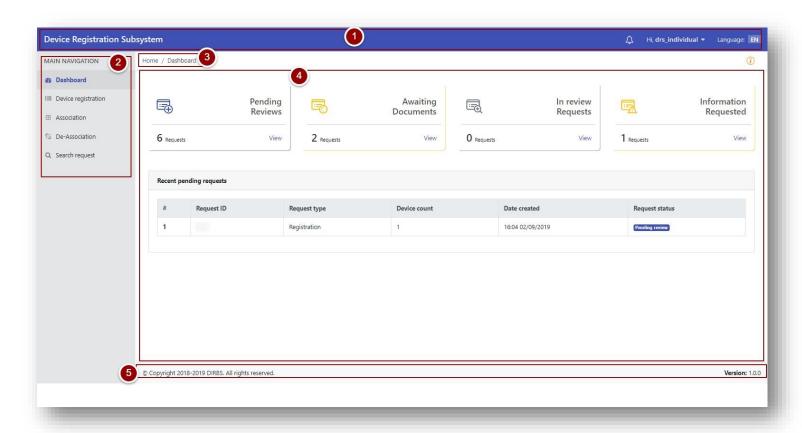


Figure 5-Portal Sections

#### 3.4. Notification Alerts

1. To view notification(s), click on the notification alert icon

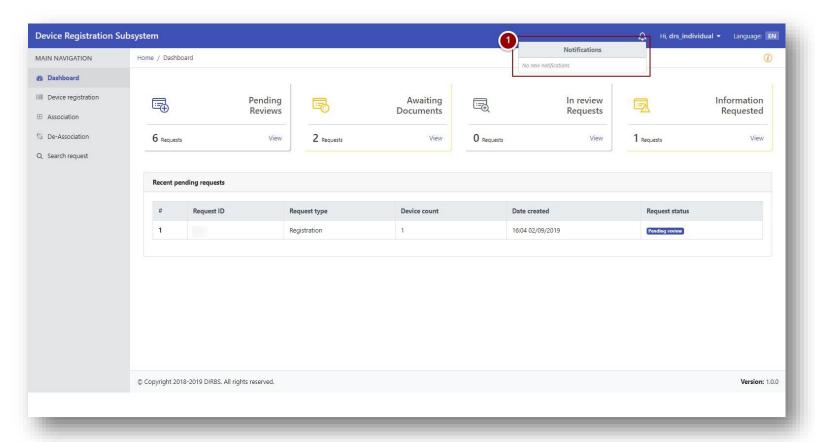


Figure 6-Notification Alert Icon

#### 3.5. Dashboard

By clicking on "login" button, user will be redirected to dashboard screen that displays the total count of "Pending Reviews", "Awaited Documents", "In-Review Requests" and "Information Requested" requests. Also, it displays recent pending requests along with their details.

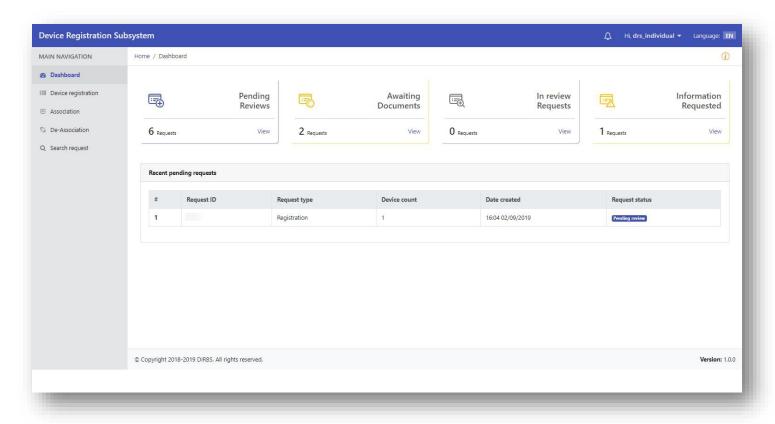


Figure 7-Dashboard Screen

By clicking on any recent pending request, user will be redirected to that particular request.

### 3.6. System Instructions

1. To view instructions of the system, click on icon



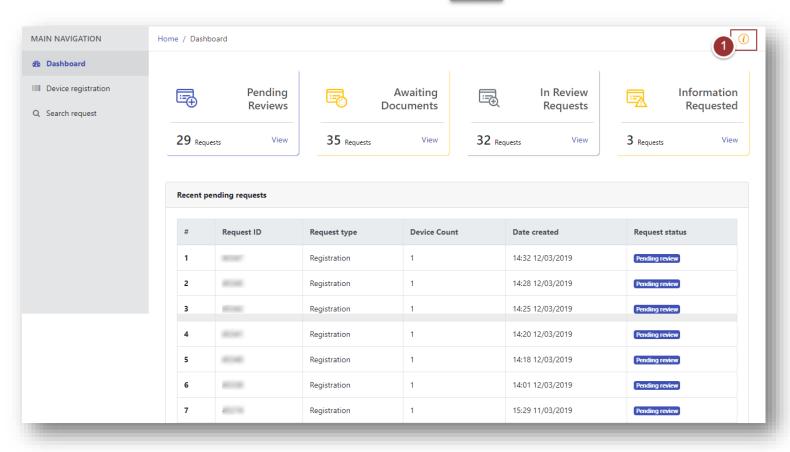


Figure 8-System Instructions (i)

By clicking on instructions icon, for user.



a pop up will appear that displays instructions

2. Click on "Close" button to proceed further.

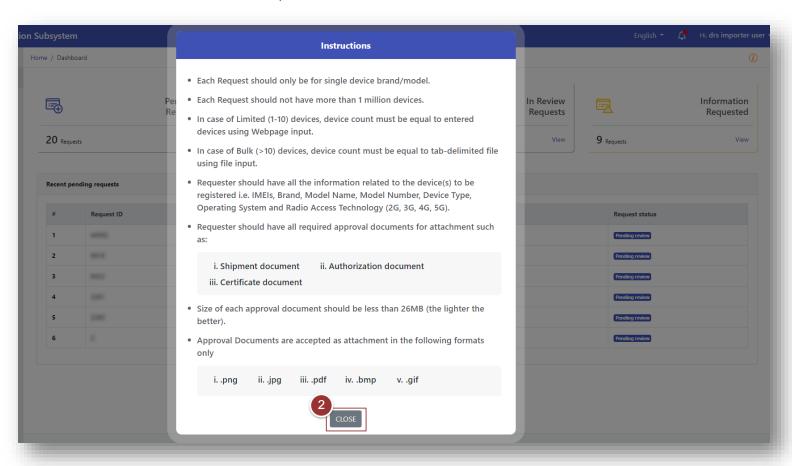


Figure 9-System Instructions (ii)

#### 3.7. Device Registration

- 1. To request for device registration, click on "Device Registration" tab under "Main Navigation" heading.
- 2. Enter basic registration details (i.e. Device Count, Number of IMEIs per Device, Device IMEIs and Manufacturing location).

Note: All field(s) are mandatory.

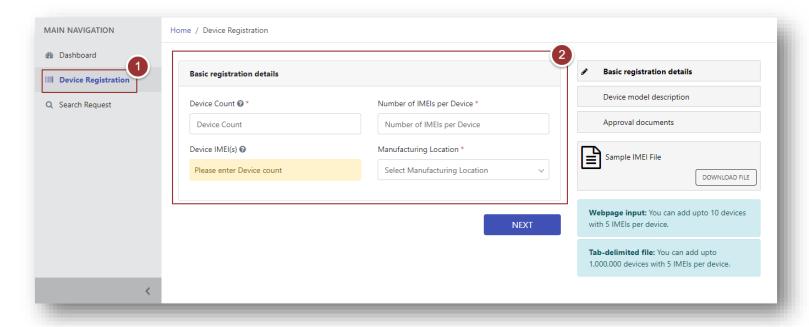


Figure 10-Device Registration

3. To add IMEI of the device, click on "Add Device" button.

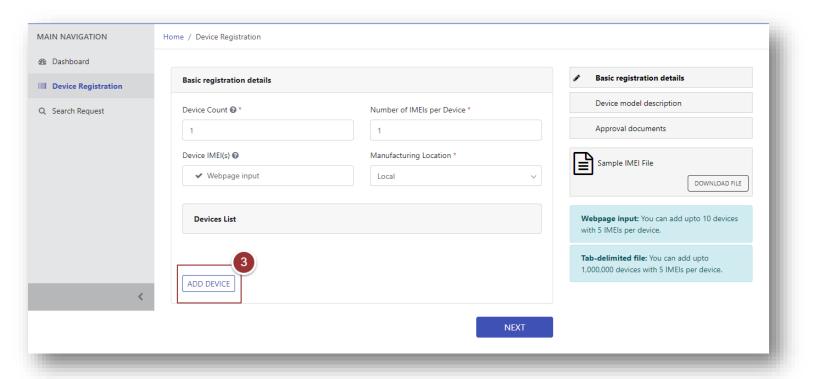


Figure 11-Add Device (i)

4. Now, type and re-type IMEI in respective fields.

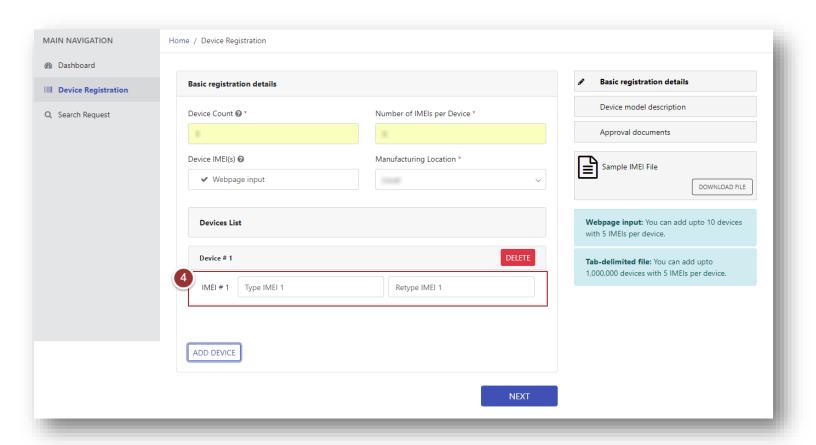


Figure 12-Add Device (ii)

5. To delete entered IMEI, click on "Delete" button.

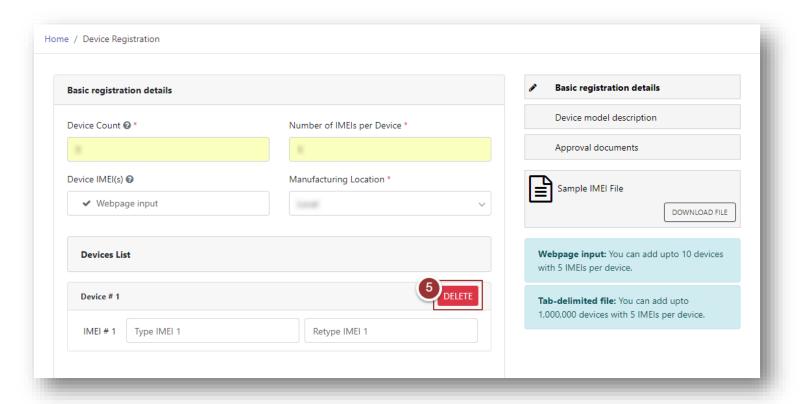


Figure 13-Delete Device (i)

6. A popup will appear, click on "OK" button for confirmation.

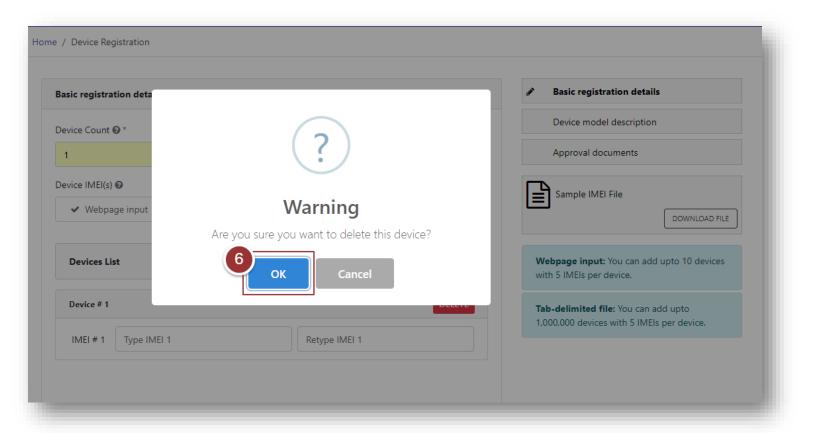


Figure 14-Delete Device (ii)

7. Repeat the steps 3 and 4 to enter IMEI again, then click on "Next" button.

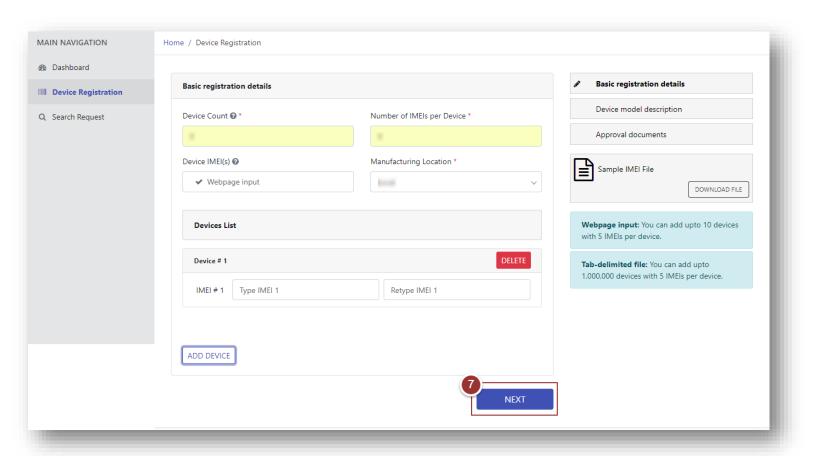


Figure 15-Type IMEI

After clicking on "Next" button, user will be redirected to "Device Model Description" section.

- 8. Enter details of device model (i.e. Brand Name, Model Name, Model Number, Device Type, Operating System, and Radio Access Technology) in respective field(s).
- 9. To view previous entered details (i.e. Basic Registration Details), click on "Previous Details" tab.
- 10. Click on "Next" button.

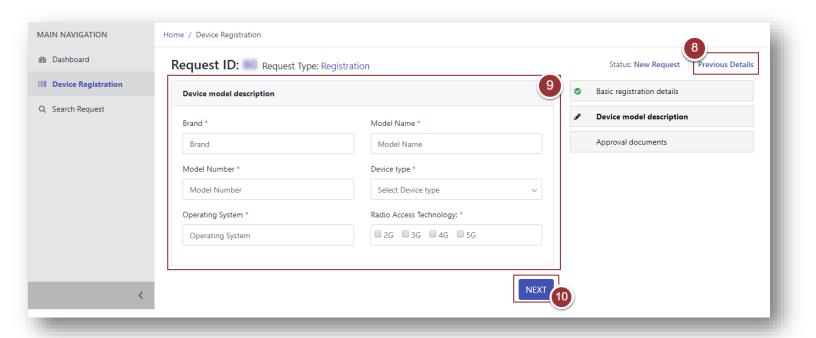


Figure 16-Device Model Description

After clicking on "Next" button it will redirect to a page where user upload approval documents i.e. Shipment Document, Authorization Document, and Certificate Document.

11. To upload file, click on "Choose File" button and select file containing required information.

**Note**: File should be in pre-defined format i.e. .pdf .jpeg .png .bmp.

- 12. To view previous entered details i.e. Basic Registration Details and Device Model Description, click on "Previous Details" tab.
- 13. Click on "Submit" Button.

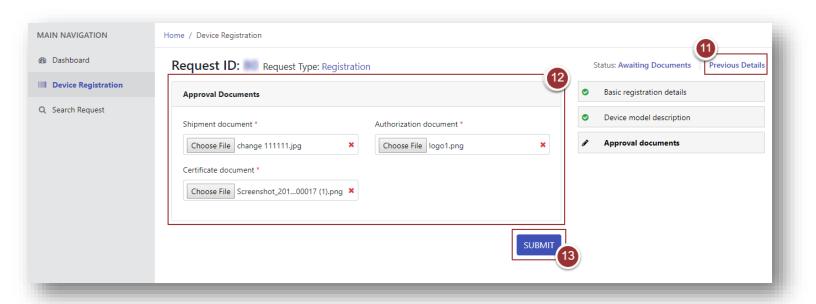


Figure 17-Approval Documents

On submission of request, a page will appear that display the details (Confirmation Message, Tracking ID, Status of the Request).

14. To view request, click on "View Your Request" button.

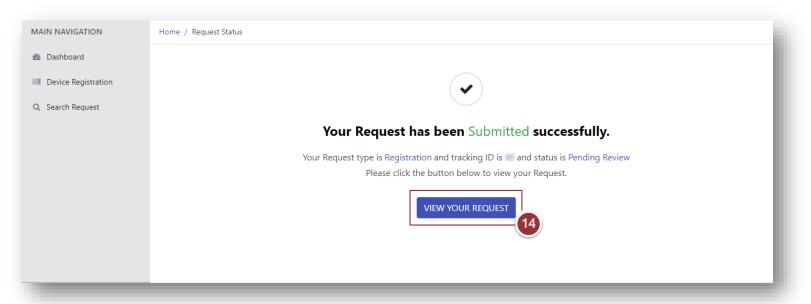


Figure 18-Request Status

#### 3.8. Association

- 1. To associate IMEI, click on "Association" tab.
- 2. Enter IMEI to be associated.
- 3. Click on "Associate" button.

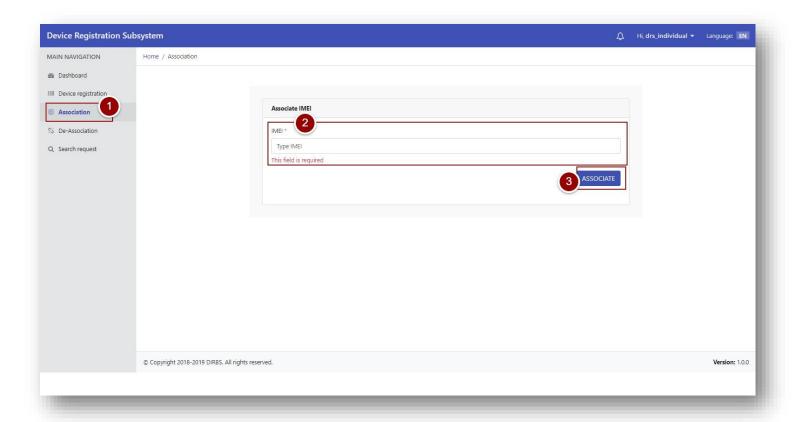


Figure 19- IMEi Association (i)

4. A popup will appear for confirmation of IMEI association, click on "Ok" button to confirm.

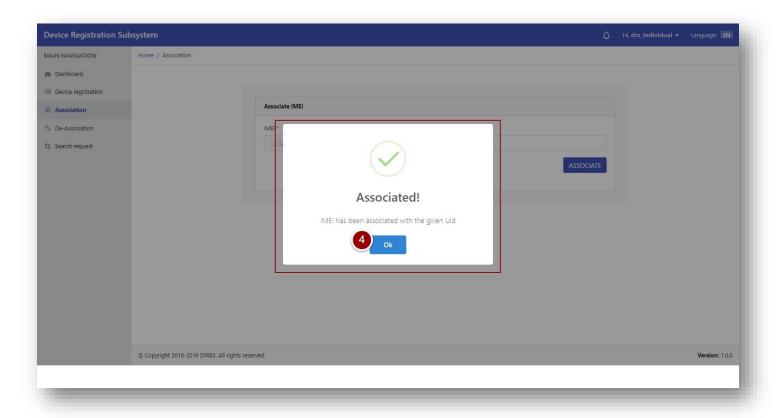


Figure 20- IMEI Association (ii)

#### 3.9. De-Association

- 1. To De-Associate IMEI, click on "De-Association" tab.
- 2. Click on "De-Associate IMEI" button against the required IMEI to be de-associated.

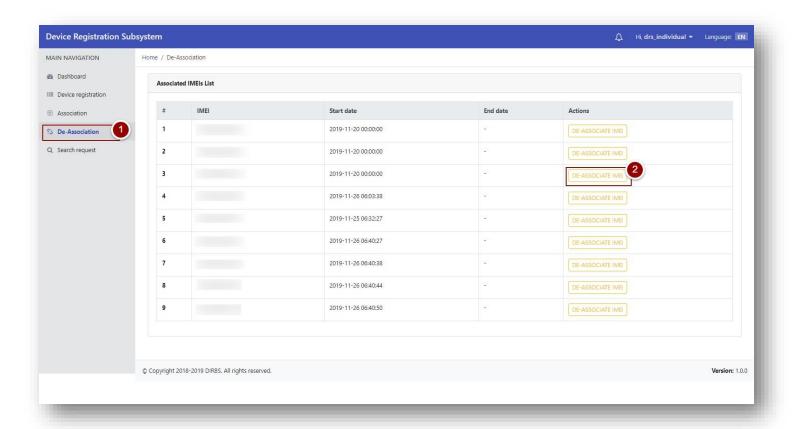


Figure 21- IMEI De-Association (i)

3. A popup will appear for confirmation, click on "Yes" button to confirm.

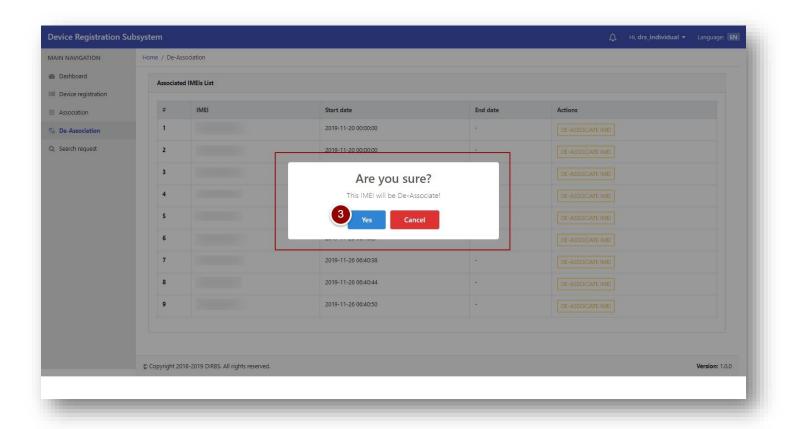


Figure 22- IMEI De-Association (ii)

### 3.10. Search Request

- 1. To search any request, click on "Search Request" tab.
- 2. To view all requests, click on "Search Requests" button.

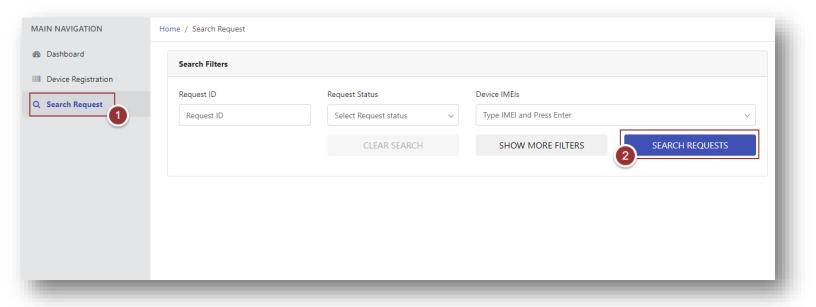


Figure 23-Search Request(s)

By clicking on "Search Requests" button, system will display all requests that contain (Request ID, Request Type, Device Count, Date Created, Date Last Updated, Request Status, and Actions). To manage number of found requests to be displayed on a page, click on drop-down menu "Show Requests" and select required number.

3. To update request, click on required action (Complete, Modify, and Close).

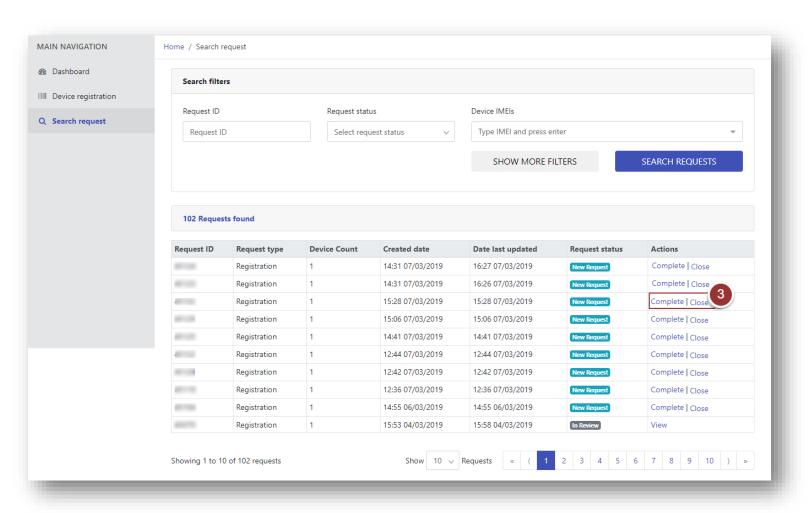


Figure 24-Action Tab(s)

4. To view request, click on "View" link.

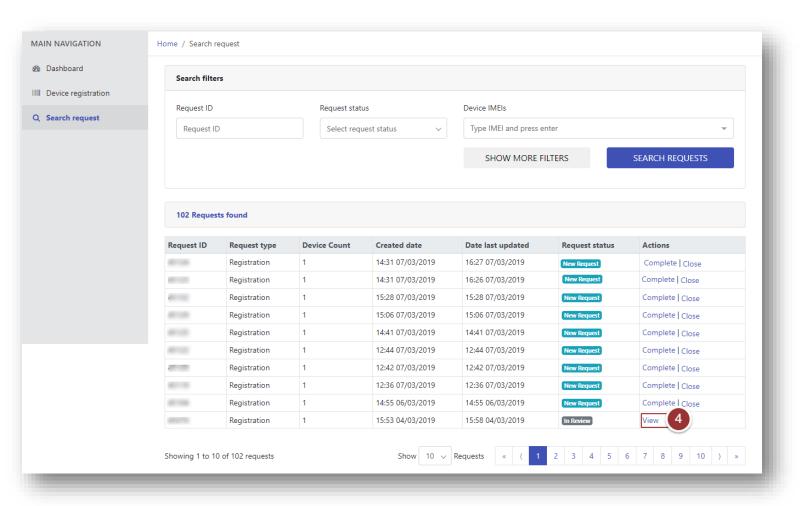


Figure 25-View Request (i)

A page will appear that displays basic registration details of device.

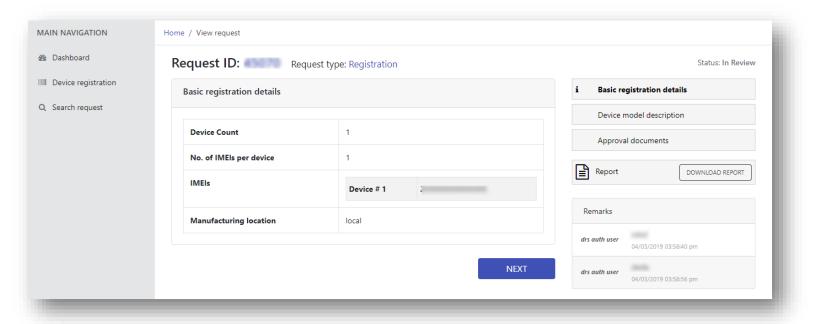


Figure 26-View Request (ii)

5. To download report shared by reviewer, click on "Download Report" button.

**Note**: Download Report button will be visible when reviewer enables "Share Report with User" option.

6. To view other sections of request, click on "Next" button.

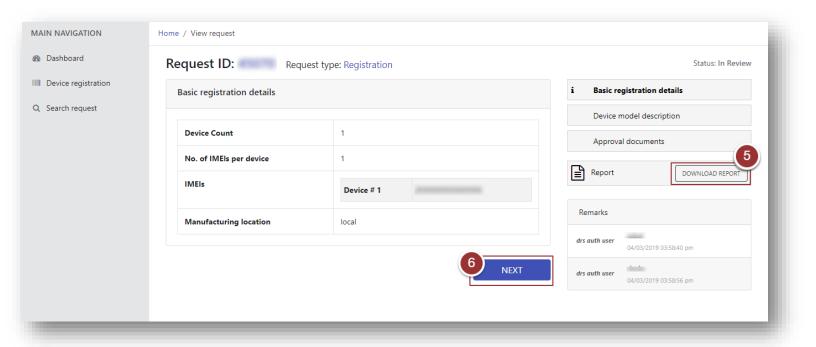


Figure 27-Download Report Button

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### 3.10.1. Search Particular Request

- 1. To search any particular request(s), click on "Search Request" tab.
- 2. Enter any known information about request (i.e. Request ID, Request Status, Device IMEIs etc.). For more search filters click on "Show More Filters" button and enter known information related to the request.
- 3. Click on "Search Requests" button.

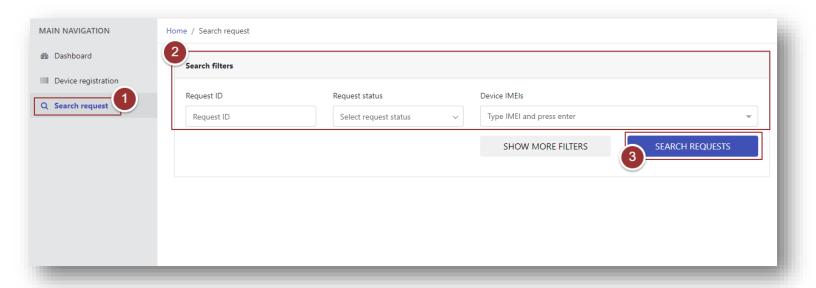


Figure 28-Search Filters (i)

By clicking on "Search Requests" button, it will display request with applied search filters.

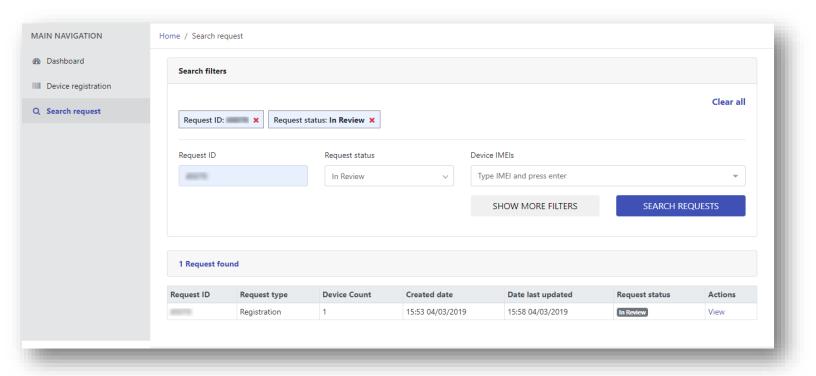


Figure 29-Search Filters (ii)