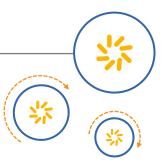


Qualcomm Technologies, Inc.



Device Registration Subsystem 3.0.0

User Guide (Importer)

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Revision history

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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) and importer(s) to request for device registration.

Importers are people who are licensed to import devices into the country e.g. they could be manufacturers, retailer's etc.

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	11.719	
Firefox	82.0.2	
Chrome	86.0	
Safari	13.1.2	
Edge	87.0	

1.3. Supported Mobile Browsers

Table 2 - Supported Mobile Browsers

Name	Version
Chrome	86.0.4
UC Browser	13.3.2
Opera (Android)	60.3
Opera Touch (iOS)	2.5.1
Safari	13.1.2
Samsung Internet	13.0.1
Android	10

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
Login Screen	To access the system, authorized user first needs to enter his/her credentials on login page. This login page authenticates user from the IAM and redirects him/her to DRS.
Portal Sections	The portal is divided into following sections.
	Header
	Header section displays name of the system and it contains following features.
	Language Selection Drop-Down
	Allows user to change the language of system in English, Spanish and Indonesian.
	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 allow user to keep track of their location within the system.
	• Footer
	Footer contains the software version and copyright information.
Dashboard	The dashboard displays total count of Pending Reviews, Awaited Documents, In-Review Requests and Information Requested requests. it also displays the recent pending requests along with their details

Feature/Sections	Explanation	
Device Registration	Facilitate user to register their device(s) by completing following three steps	
	Basic Registration Details	
	Device Model Description	
	Approval Documents	
Required Input(s) for	Device Count	
Basic Registration	Takes the total number of devices as input.	
	Number of IMEIs per Device	
	Takes total number of IMEIs entered for each device as input.	
	Device IMEIs	
	Tab-delimited File	
	User can add up to 10,000,000 devices with 5 IMEIs per device.	
	Webpage input	
	User can add up to 10 devices with 5 IMEI per device.	
	Manufacturing Details	
	Allows user to select the manufacture location of the device (i.e. local or overseas).	

Feature/Sections	Explanation	
Required Inputs for	• Brand	
Device Model description	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 number of the device as input. Enter model number 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.	
	Radio Access Technology	
	Allows user to select the radio-based technologies i.e. 2G, 3G, 4G that your device supports.	
Approval Documents	Three types of approval documents are required for registration of the device	
	Shipment Document	
	Authorization Document	
	Certificate Document	
Search Requests	 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. 	

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

3. System Navigation

3.1. Login Screen

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



Figure 1 - Login Screen

3.2. 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.

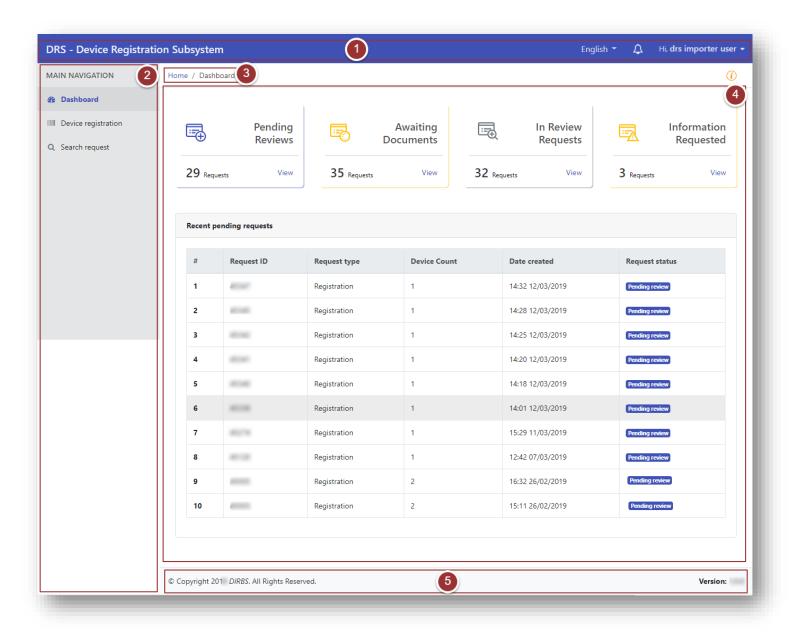


Figure 2 - Portal Section

Language Menu

1. To select the required language, click on language from drop-down menu.

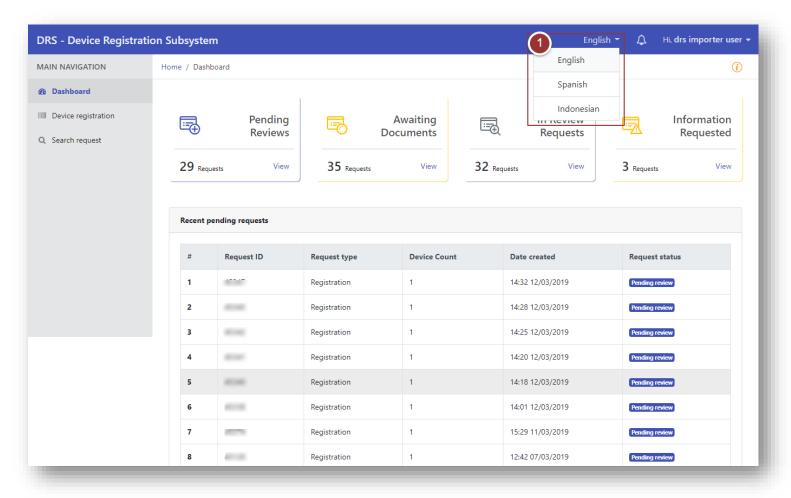


Figure 3 - Language Menu

Notification Alert

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

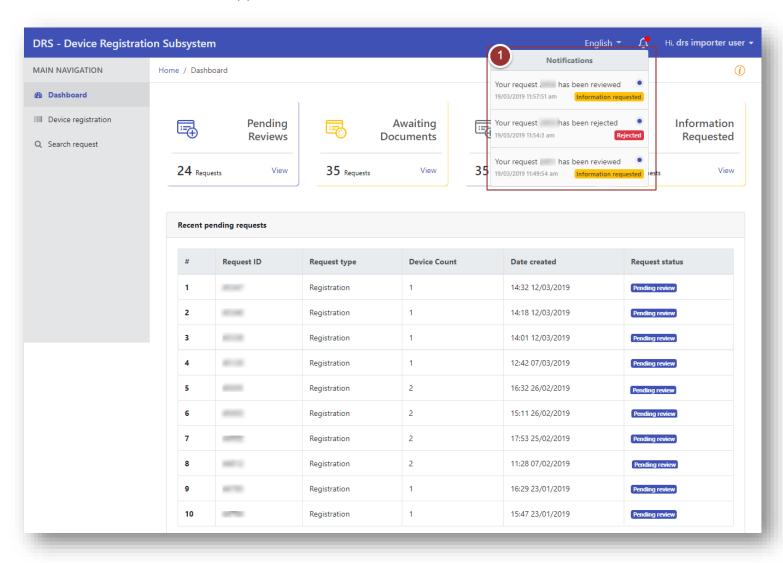


Figure 4 - Notification Alert Icon

3.3. 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. It also displays recent pending requests along with their details.

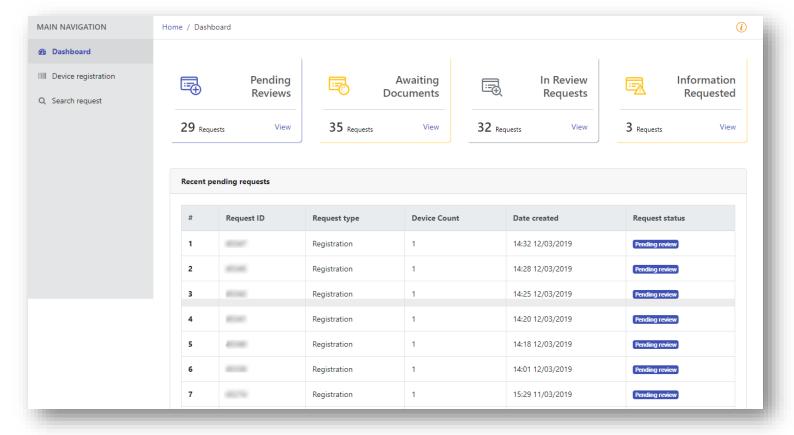


Figure 5 - Dashboard Screen

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

System Instructions

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



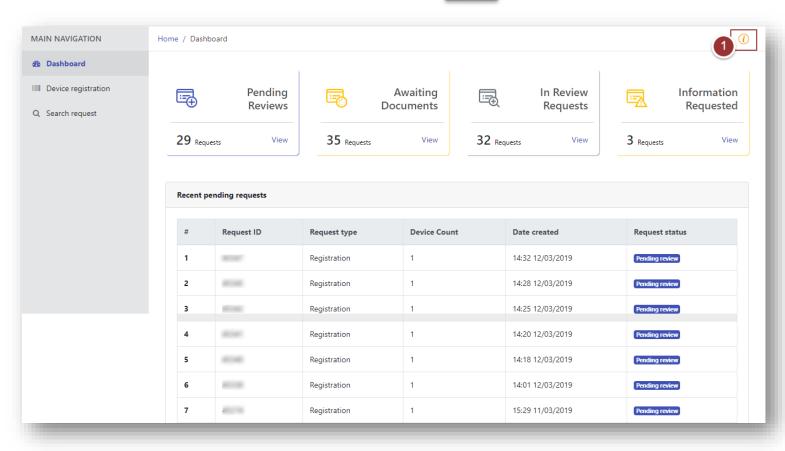


Figure 6 - System Instructions (i)

By clicking on instructions icon, user.



a pop up will appear displaying instructions for

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

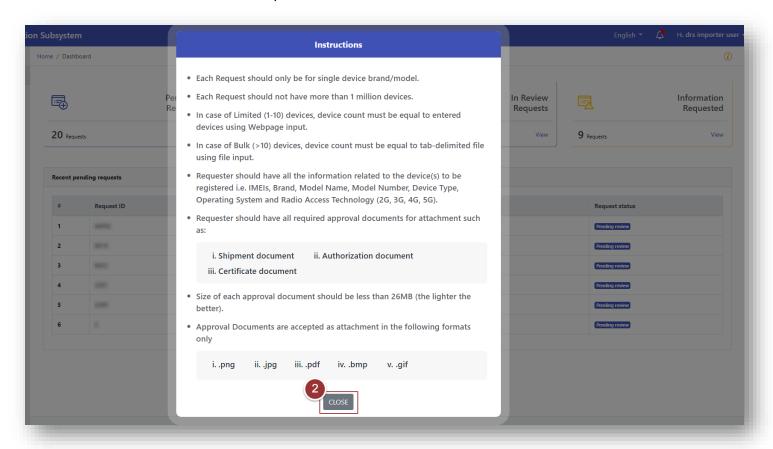


Figure 7 - System Instruction (ii)

3.4. Device Registration (Normal Application Process)

- **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.

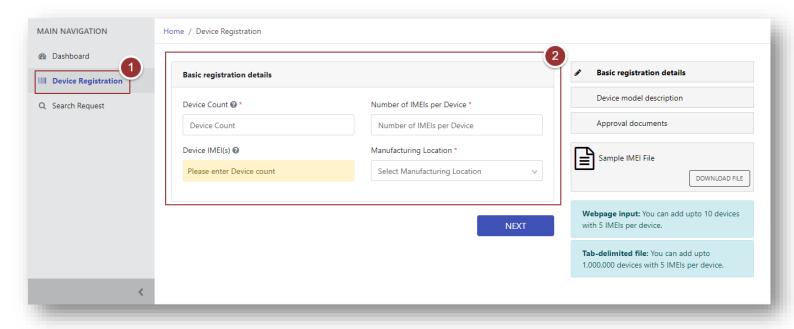


Figure 8 - Device Registration

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

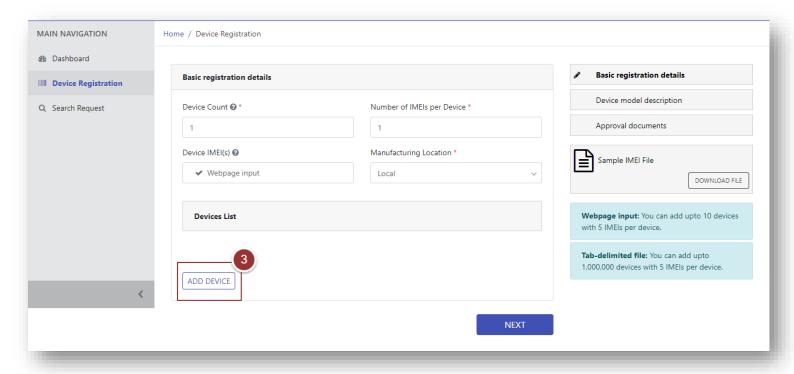


Figure 9 - Add Device (i)

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

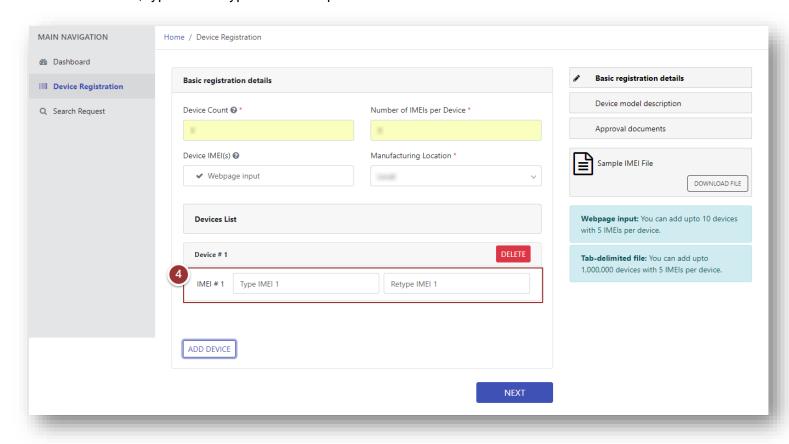


Figure 10 - Add Device (ii)

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

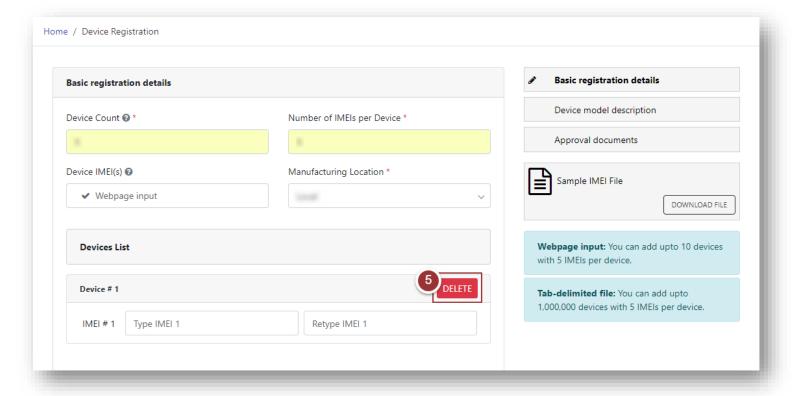


Figure 11 - Delete Device (i)

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

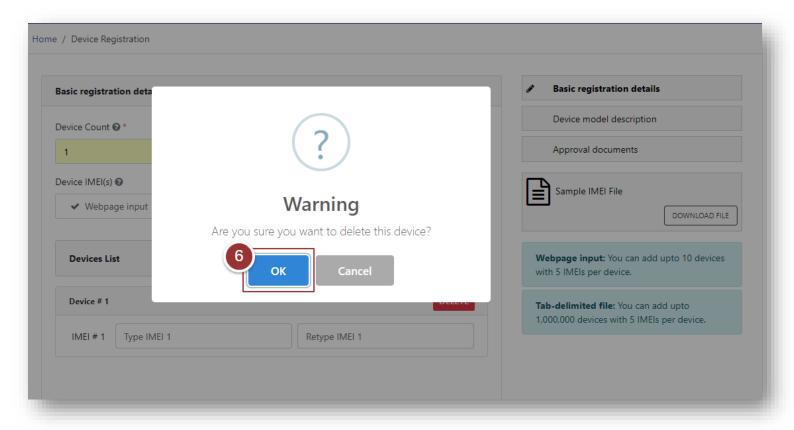


Figure 12 - Delete Device (ii)

7. Repeat the step 3 and 4 to enter IMEI(s) again, then click on "Next" button.

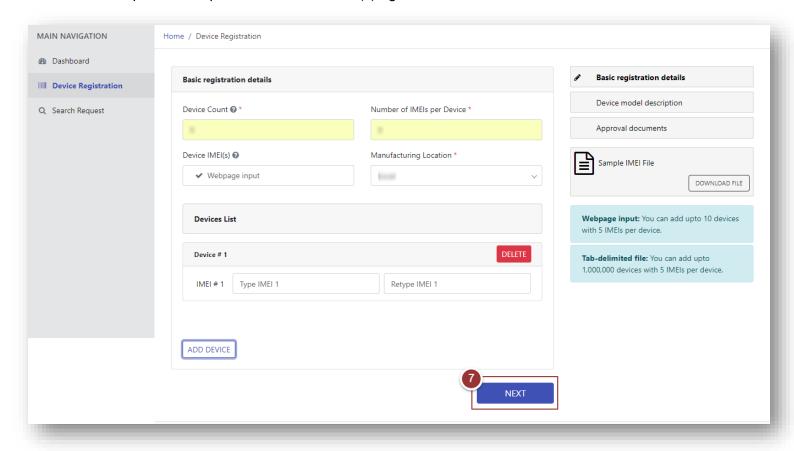


Figure 13 - Type IMEI

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 fields.
- **9.** To view previously entered details i.e. Basic Registration Details, click on "Previous Details" tab.
- 10. Click on "Next" button.

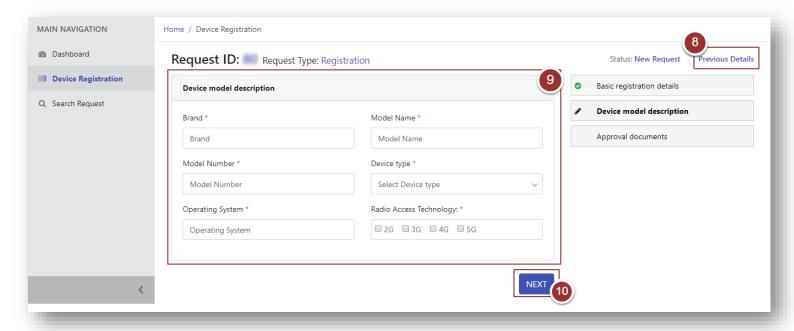


Figure 14 - Device Model Description

After clicking on "Next" button, it will redirect user to a page where he/she will 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 previously entered details i.e. Basic Registration Details and Device Model Description, click on "Previous Details" tab.
- 13. Click on "Submit" Button.

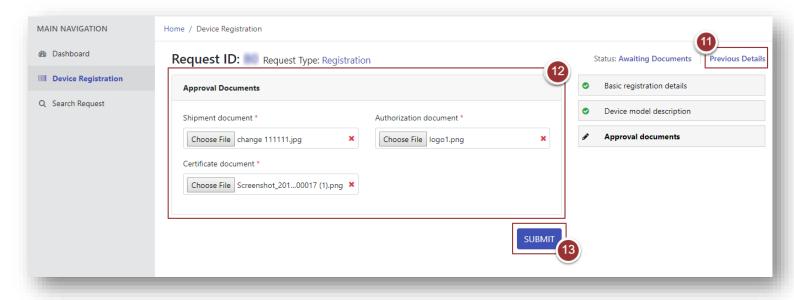


Figure 15 - Approval Documents

On submission of request, a page will appear displaying the details i.e. Confirmation Message, Tracking ID, Status of the Request).

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

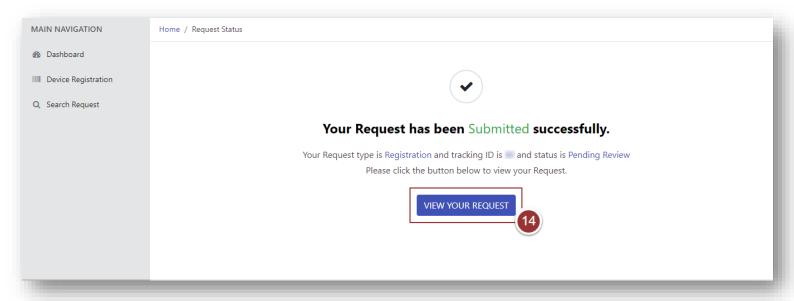


Figure 16 - Request Status

3.5. Device Registration (Automated Application Process)

- **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.

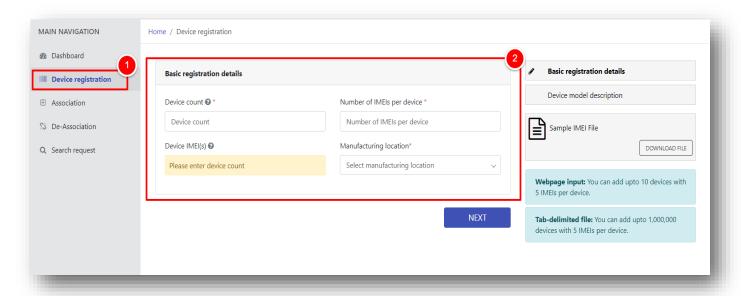


Figure 17 - Device Registration

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

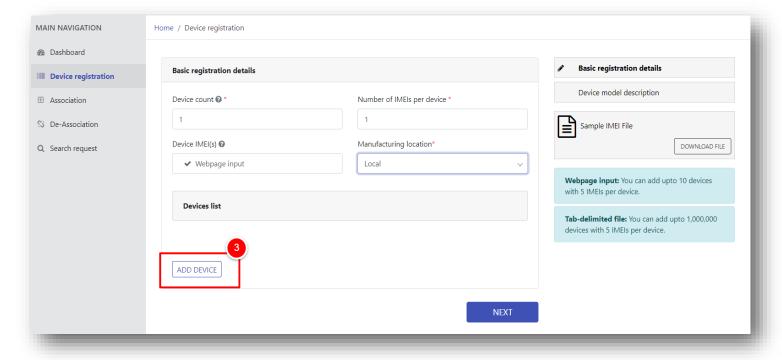


Figure 18 - Add Device (i)

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

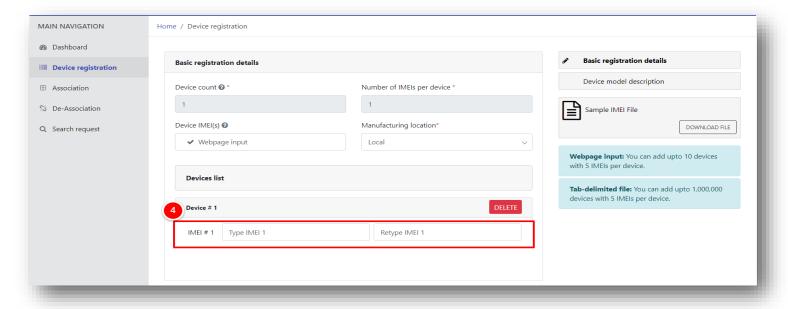


Figure 19 - Add Device (ii)

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

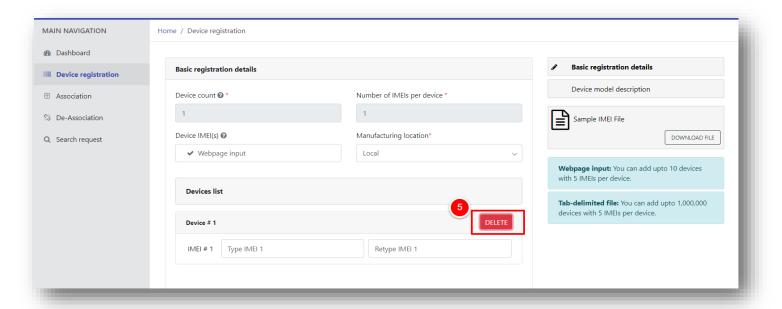


Figure 20 - Delete Device (i)

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

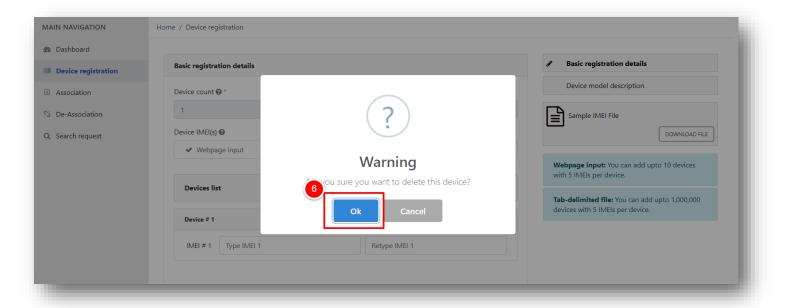


Figure 21 - Delete Device (ii)

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

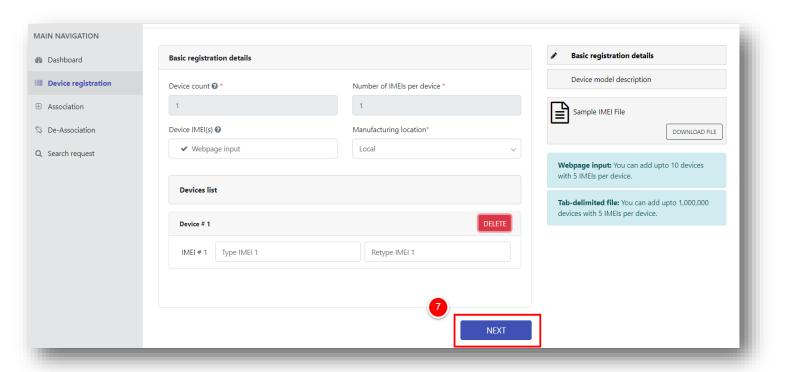


Figure 22 - Type IMEI

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 fields.
- **9.** To view previously entered details i.e. Basic Registration Details, click on "Previous Details" tab.
- 10. Click on "Finish" button.

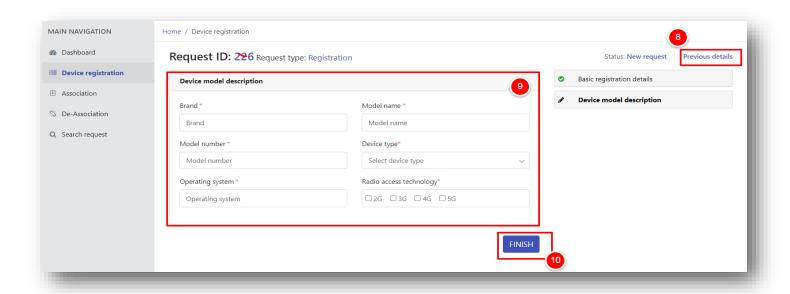


Figure 23 - Device Model Description

After clicking on "Finish" button, it will redirect submitted request with tracking ID.

On submission of request, a page will appear displaying the details i.e. Confirmation Message, Tracking ID).

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

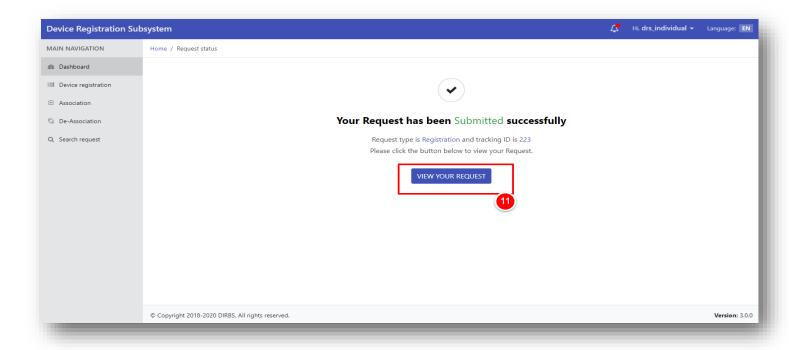


Figure 24 - Request Status

3.6. Search Request

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

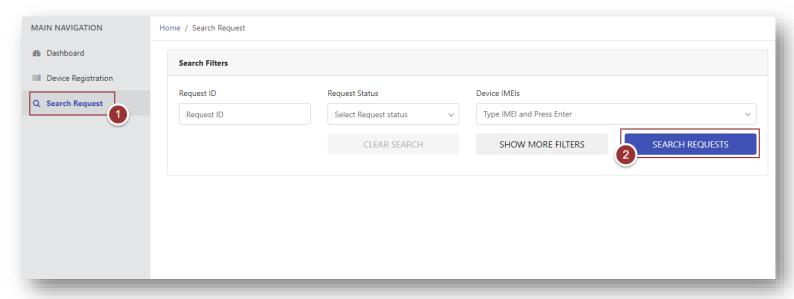


Figure 25 - Search Request(s)

Upon clicking "Search Requests" button, system will display all requests containing 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 i.e. Complete, Modify, and Close.

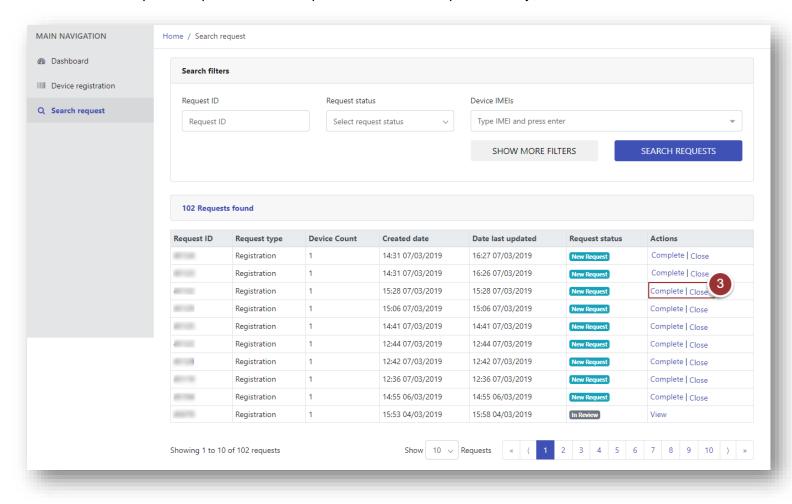


Figure 26 - Action Tab(s)

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

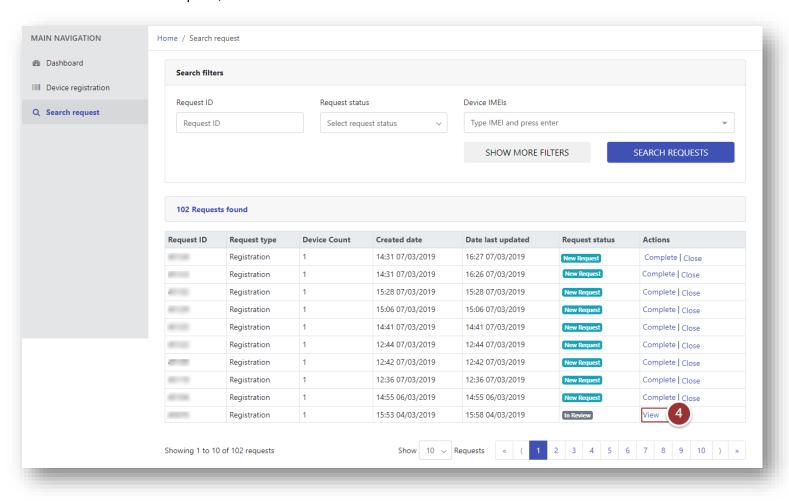


Figure 27 - View Request (i)

A page will appear displaying basic registration details of device.

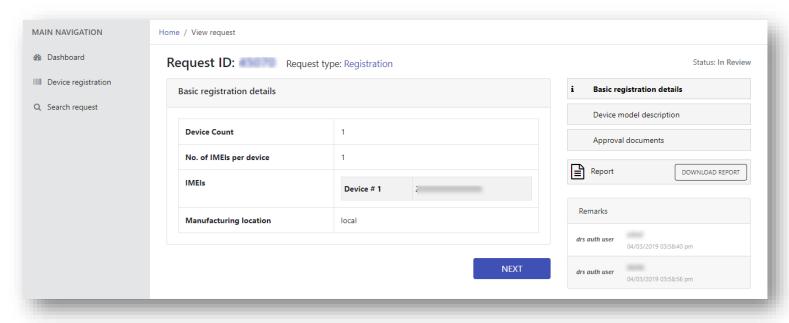


Figure 28 - View Request (ii)

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.

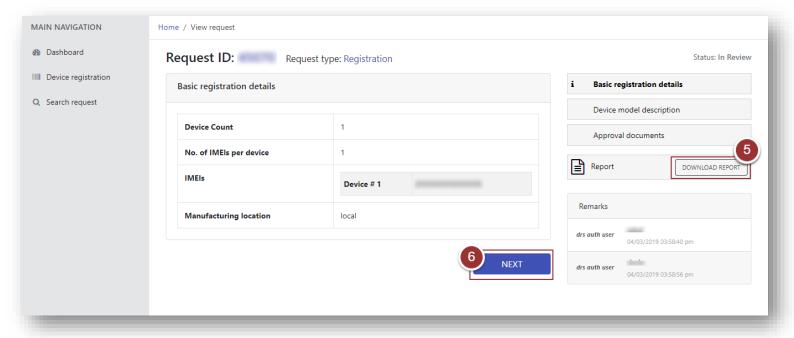


Figure 29 - Download Report Button

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.

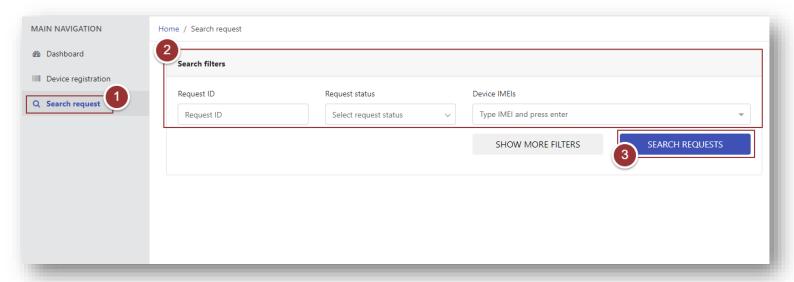


Figure 30 - Search Filters (i)

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

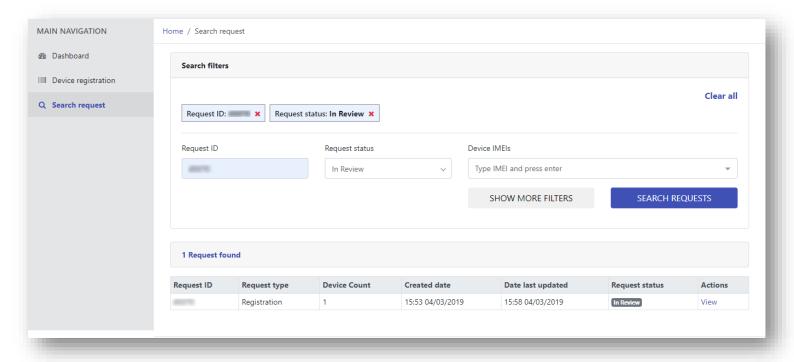


Figure 31 - Search Filters (ii)