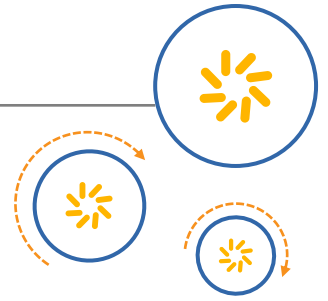# Qualcomm

Qualcomm Technologies, Inc.

Device Registration Subsystem 3.0.0

User Guide (Exporter)

DRS-User-Guide-Exporter-3.0.0

November 02, 2020

Revision history

Revision	Date	Description
A		Release 2.0.0
B	November 2020	Release 3.0.0

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Tables

1. Introduction

Device Registration Subsystem (DRS) is the subsystem of Device Identification, Registration & Blocking System (DIRBS). It provides a platform for an exporter to request their IMEIs to be deregistered.

Exporters are people who are licensed to export devices out of the country e.g. they could be exporting refurbished devices 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 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

Name	Version
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 authenticate user from the IAM and redirects user 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 text.

Feature/Sections	Explanation
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.

Deregistration	• Facilitate user to deregister their device IMEIs by completing following two steps
	
	    • Basic Deregistration Details
	
	    • Approval Documents

Required Input(s) for Basic De-Registration	• **Device Count** Takes the total number of devices as input. • **Device IMEIs** Takes the file that contains valid IMEI(s) as input.
Device Model Information	Displays complete information of device model in a table. **Device Model Information** • **Brand** Displays the brand name of device. • **Model Name** Displays the model name of device. • **Model Number** Displays the model number of device. • **Device Type** Displays the device type i.e. smartphone, tablet etc. • **Operating System** Displays the operating system of device i.e. Android or iOS. • **Radio access technology** Displays the radio access technologies of that device i.e. 2G, 3G, 4G, 5G etc. • **Device Count** Takes the total number of devices as input.

Feature/Sections	Explanation
Approval Documents	- Three types of approval documents are required for deregistration 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
Request Status	**New Request** 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.

3. System Navigation

3.1. Login Screen

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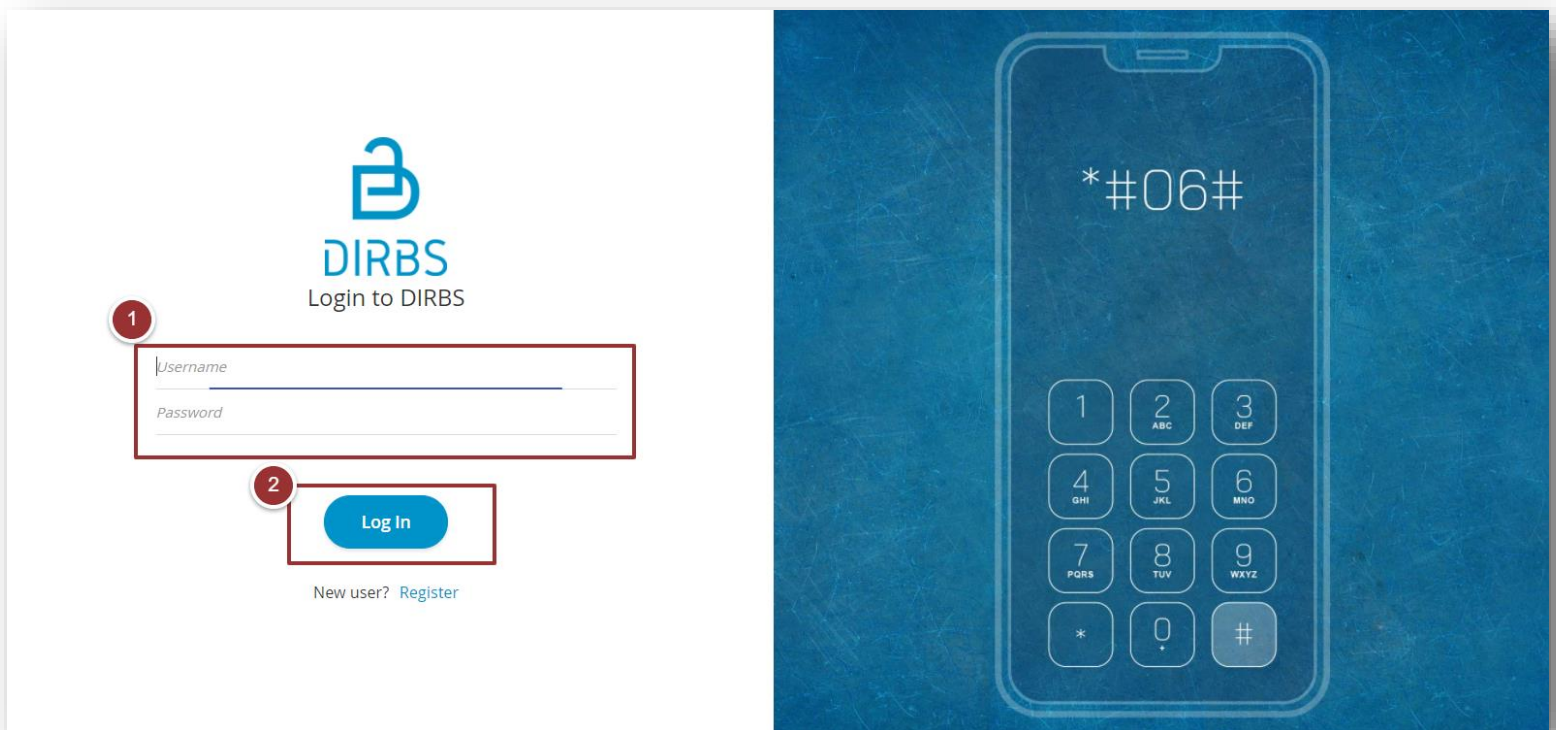
Figure 1 - Login Screen

3.2. Portal Sections

The portal is divided into following sections.

1. **Header** section displays name of 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 system.
3. **Breadcrumbs** is a navigational aid in UI.
4. **Main Content Area** contains all relevant information related to respective feature/option.
5. **Footer** contains version and copyrights statement.

Figure 2 - Portal Sections

Language Menu

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

Figure 3 - Language Menu

Notification Alerts

1. To view notification(s), click on 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 total count of "Pending Reviews", "Awaited Documents", "In-Review Requests" and "Information Requested" requests. It also displays recent pending requests along with their details.
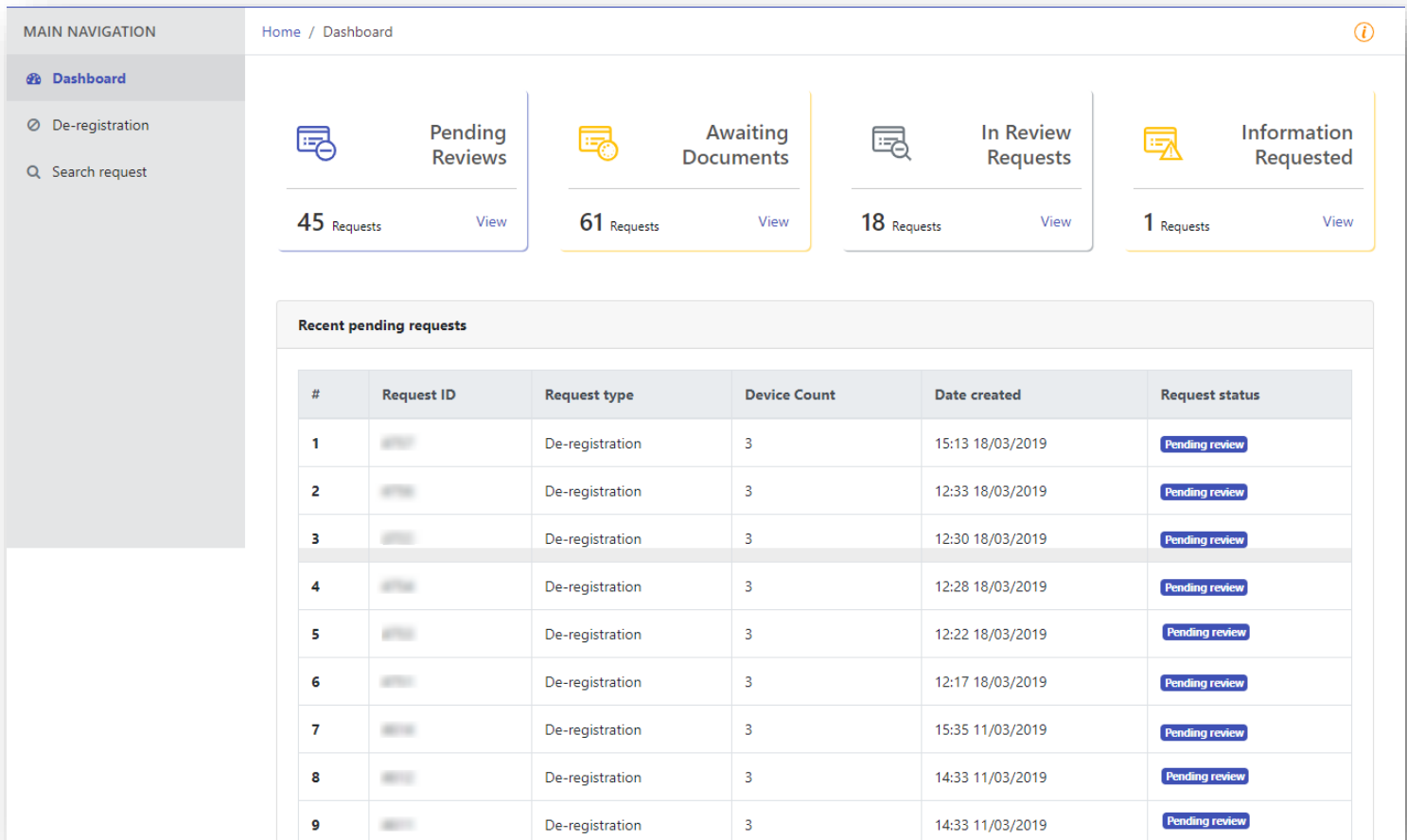
| MAIN NAVIGATION | Home / Dashboard | | | | | ⓘ |

Dashboard
De-registration
Search request

Pending Reviews	Awaiting Documents	In Review Requests	Information Requested
45 Requests View	**61** Requests View	**18** Requests View	**1** Requests View

Recent pending requests

#	Request ID	Request type	Device Count	Date created	Request status
1		De-registration	3	15:13 18/03/2019	Pending review
2		De-registration	3	12:33 18/03/2019	Pending review
3		De-registration	3	12:30 18/03/2019	Pending review
4		De-registration	3	12:28 18/03/2019	Pending review
5		De-registration	3	12:22 18/03/2019	Pending review
6		De-registration	3	12:17 18/03/2019	Pending review
7		De-registration	3	15:35 11/03/2019	Pending review
8		De-registration	3	14:33 11/03/2019	Pending review
9		De-registration	3	14:33 11/03/2019	Pending review

Figure 5 - Dashboard

System Instructions

1. To view instructions, click on icon
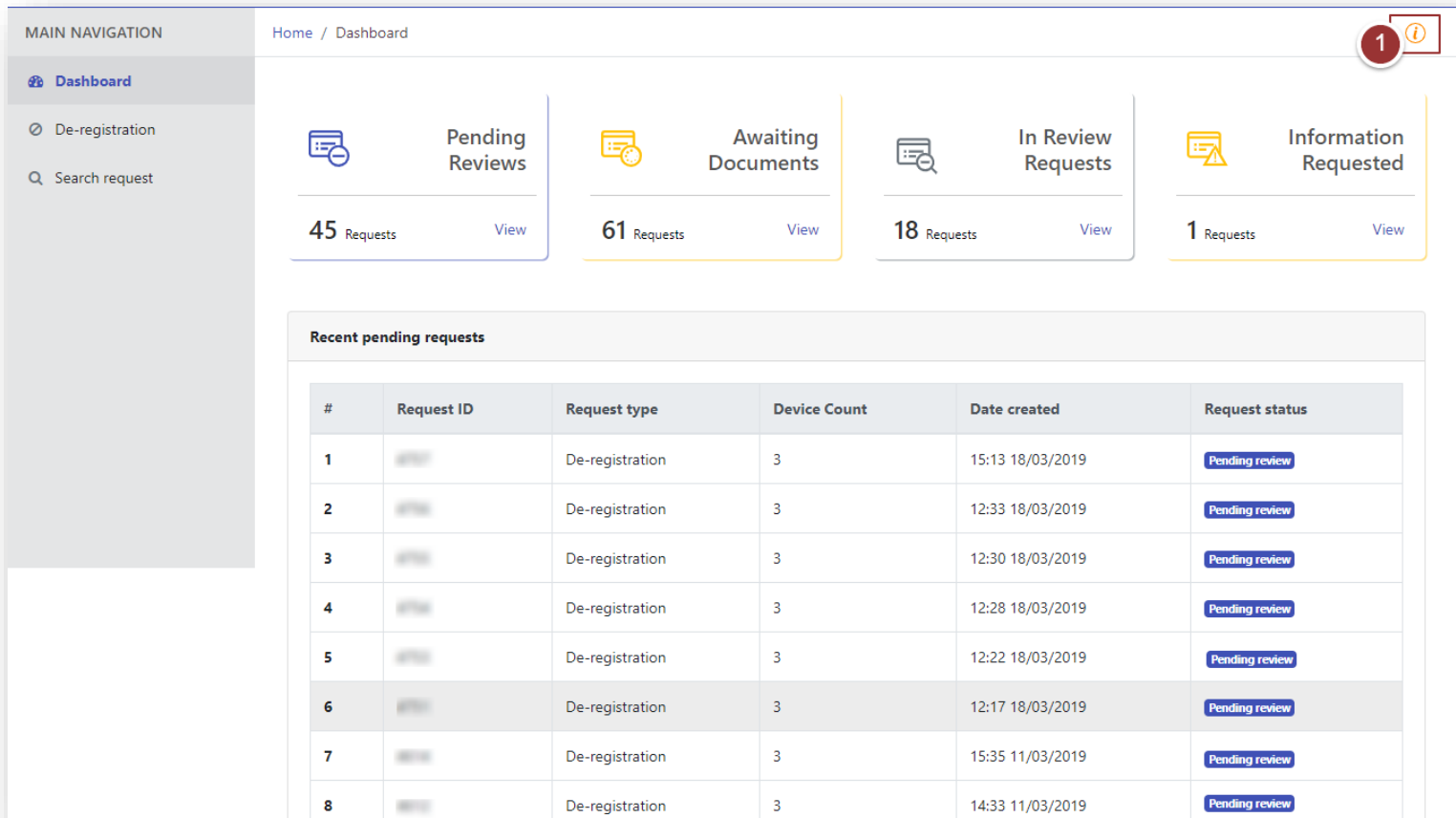
Figure 6 - System Instructions (i)

By clicking on instructions icon,   ⓘ   a pop up will appear displaying instructions for user.

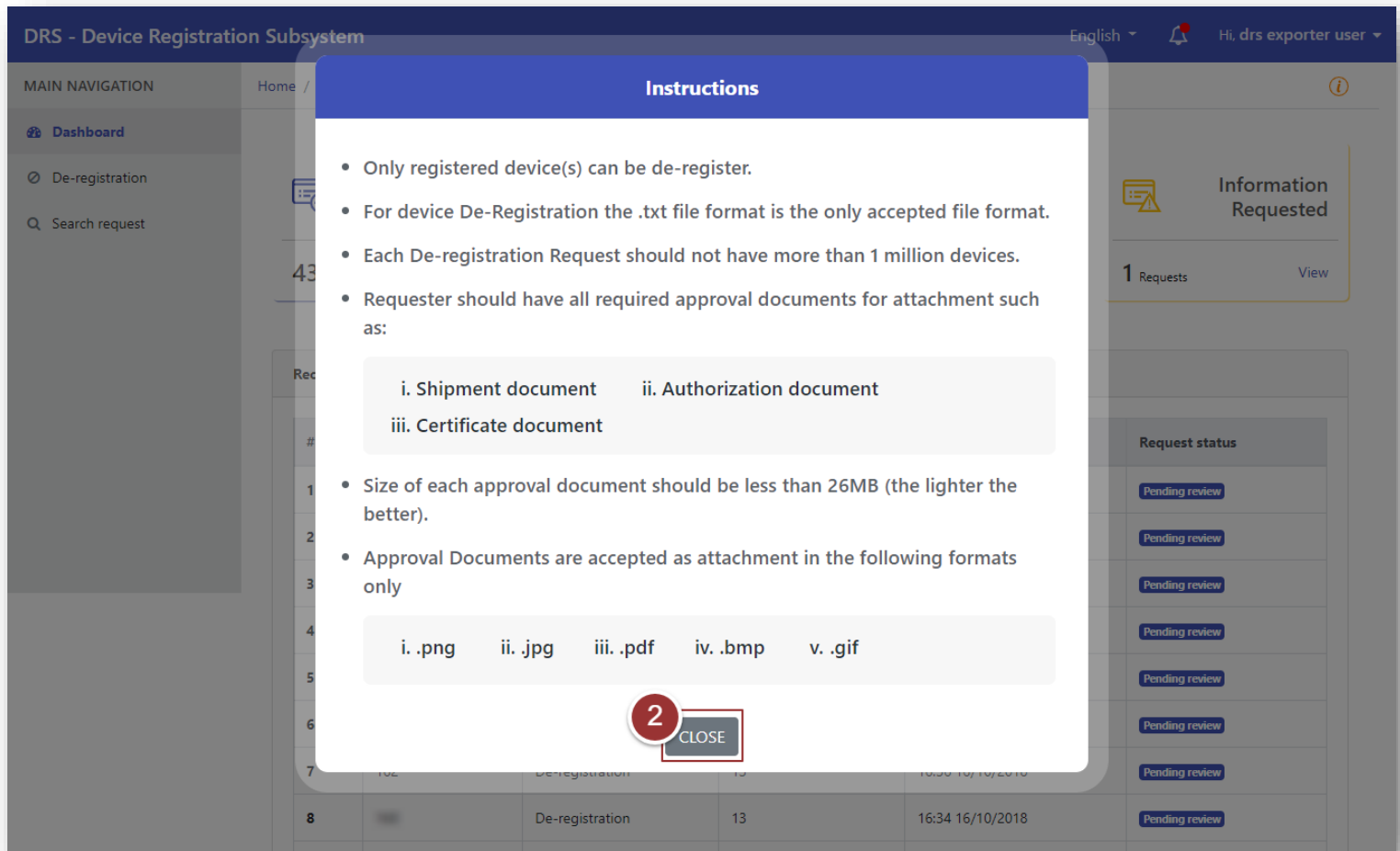**2.** Click on "Close" button to proceed further.

Figure 7 - System Instructions (ii)

3.4. De-Registration (Normal Application Process)

1. To request for device deregistration, click on "De-Registration" tab under "Main Navigation" heading.
2. Enter basic deregistration details i.e. Device IMEIs (".txt" file extension), Device Count, Reason for De-registration.
3. Click on "Next" button.

Figure 8 - Deregistration
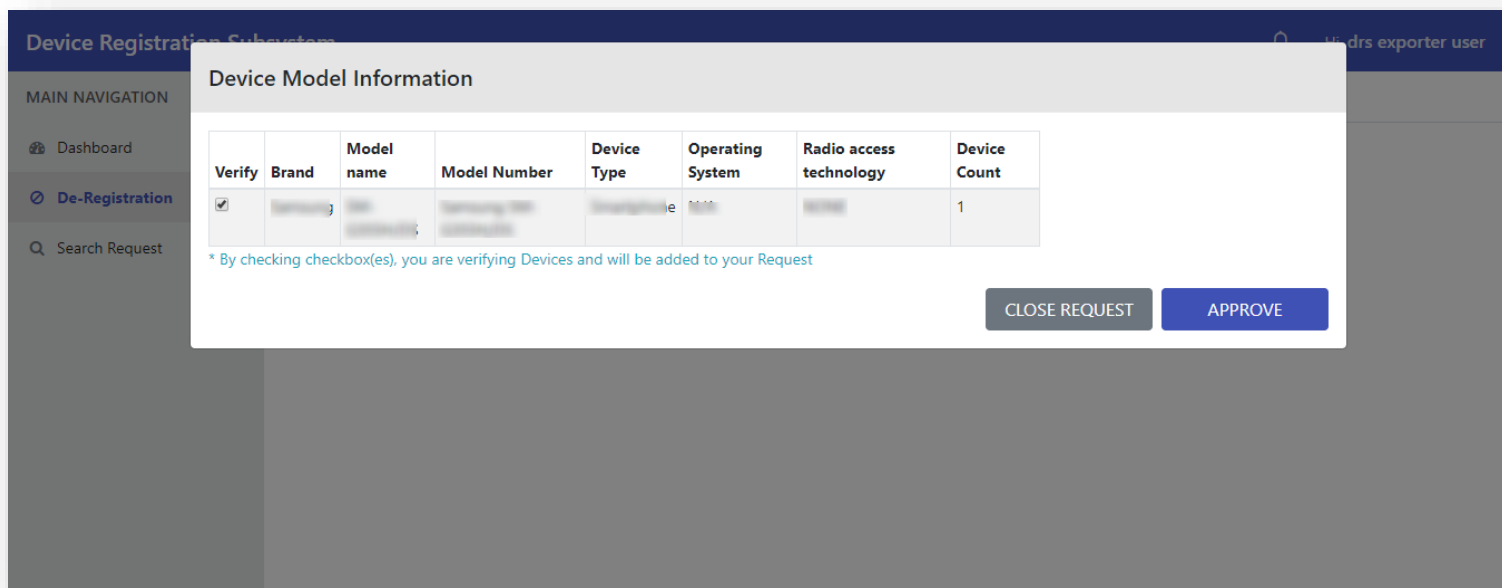
A popup will appear containing details of device model.
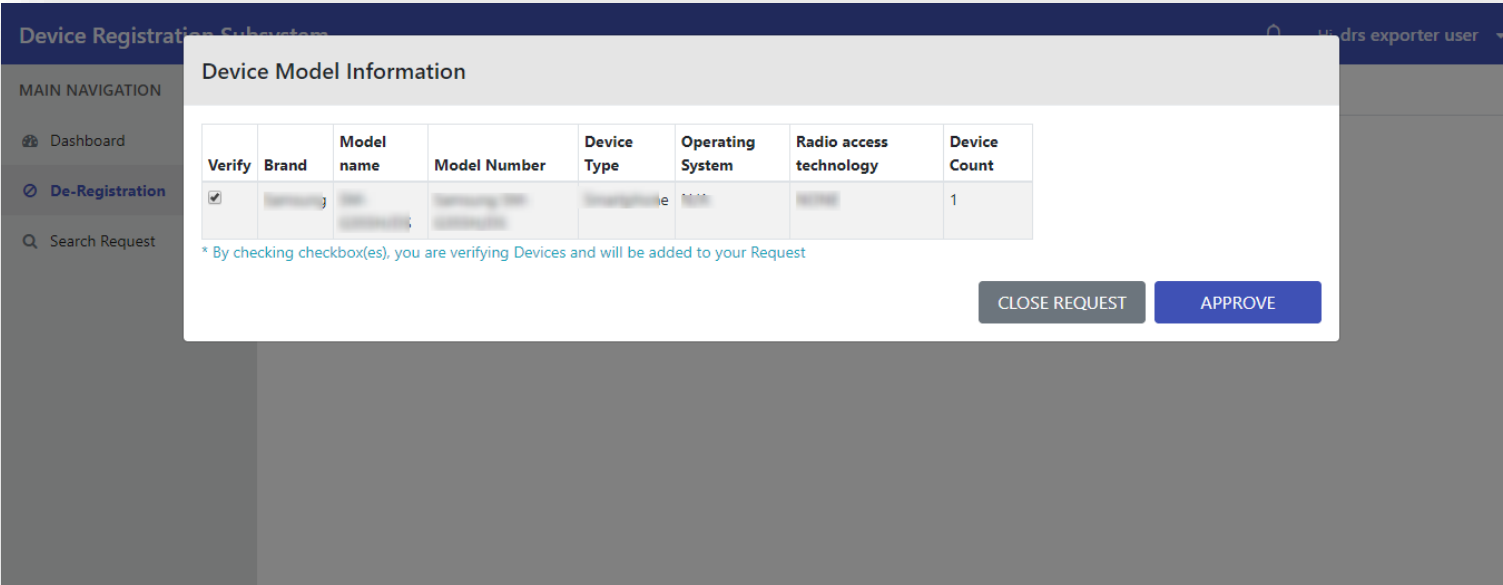
Figure 9 - Device Model Information

Approve Request

Perform steps 1-3 as per [section 3.4](#)

4. To approve request, verify information and check checkbox(es) against registered device.
5. Click on "Approve" button.

**Note**: Only registered IMEIs can be approved.
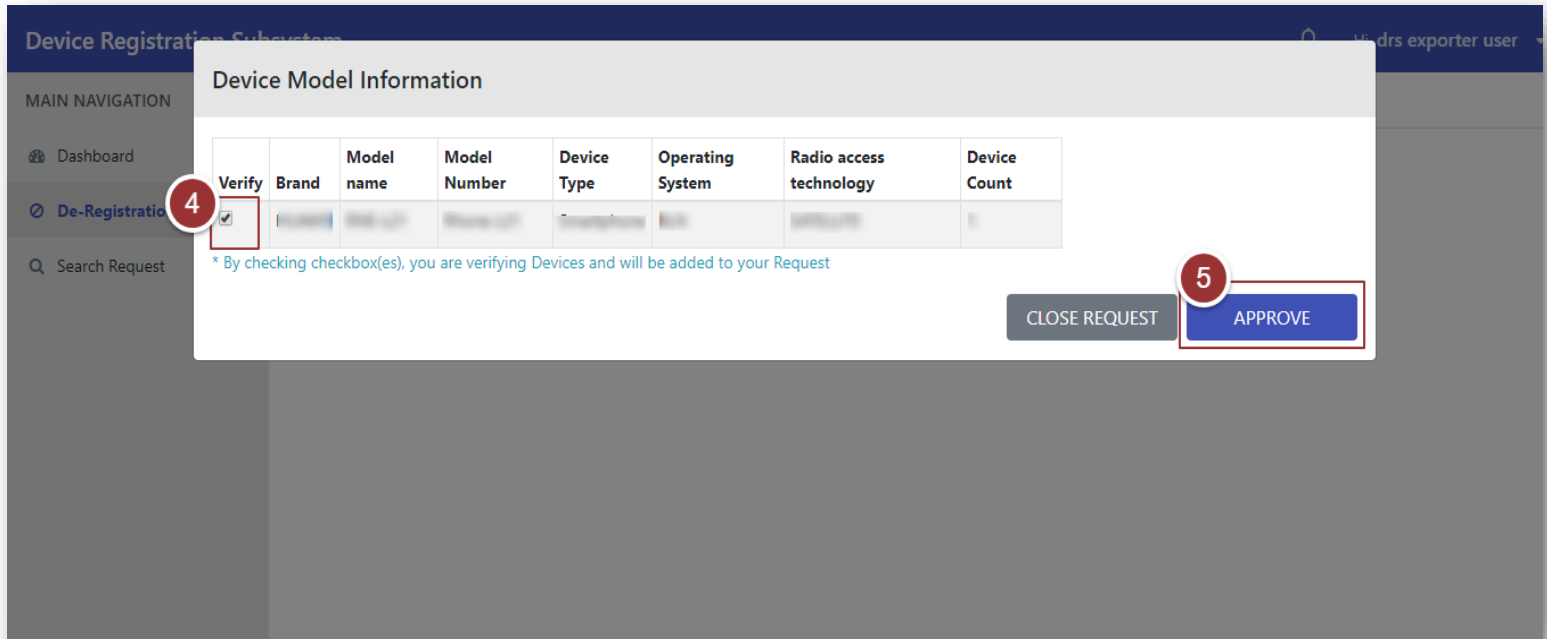
Figure 10 - Approve Request

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

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

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

7. To view previously entered details i.e. Basic Deregistration Details and Device Model Information, click on "Previous Details" tab.

8. Click on "Submit" Button.

Figure 11 - Approval Documents

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

**9.** To view submitted request, click on "View Your Request" button.
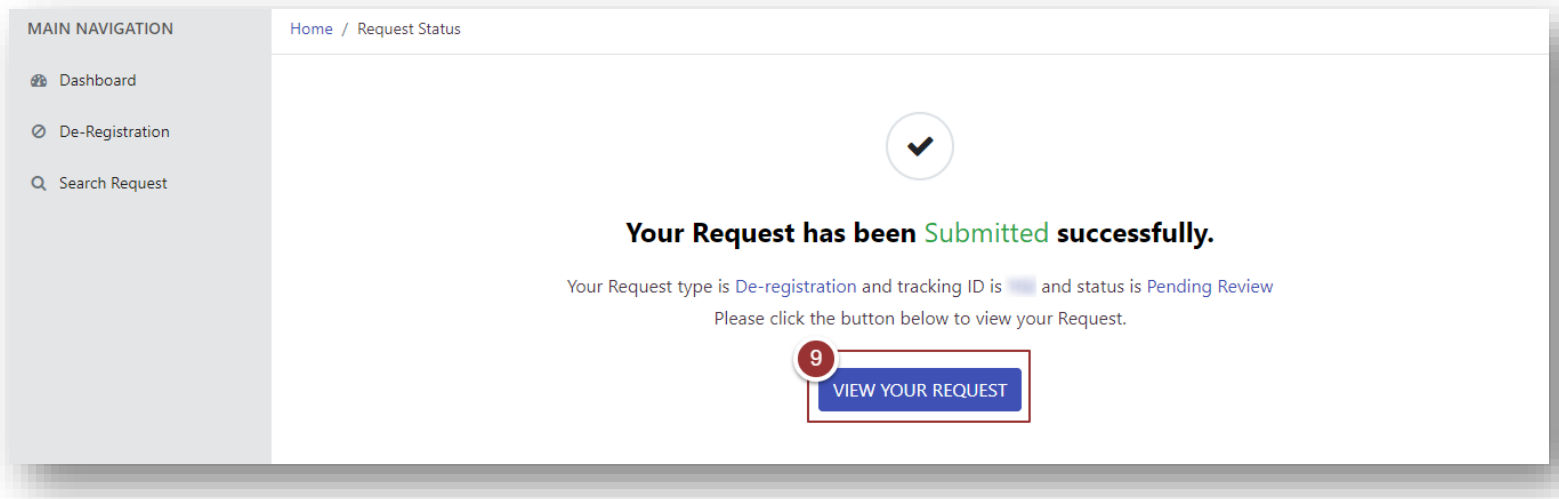
Figure 12 - View Your Request

3.5. De-Registration (Automated Application Process)

1. To request for device deregistration, click on "De-Registration" tab under "Main Navigation" heading.
2. Enter basic deregistration details i.e. Device IMEIs (".txt" file extension), Device Count, Reason for De-registration.
3. Click on "Next" button.

Figure 13 - Deregistration

A popup will appear containing details of device model.

Figure 14 - Device Model Information

Approve Request

Perform steps 1-3 as per [section 3.4](#)

4. To approve request, verify information and check checkbox(es) against registered device.
5. Click on "Approve" button.

Note: Only registered IMEIs can be approved.
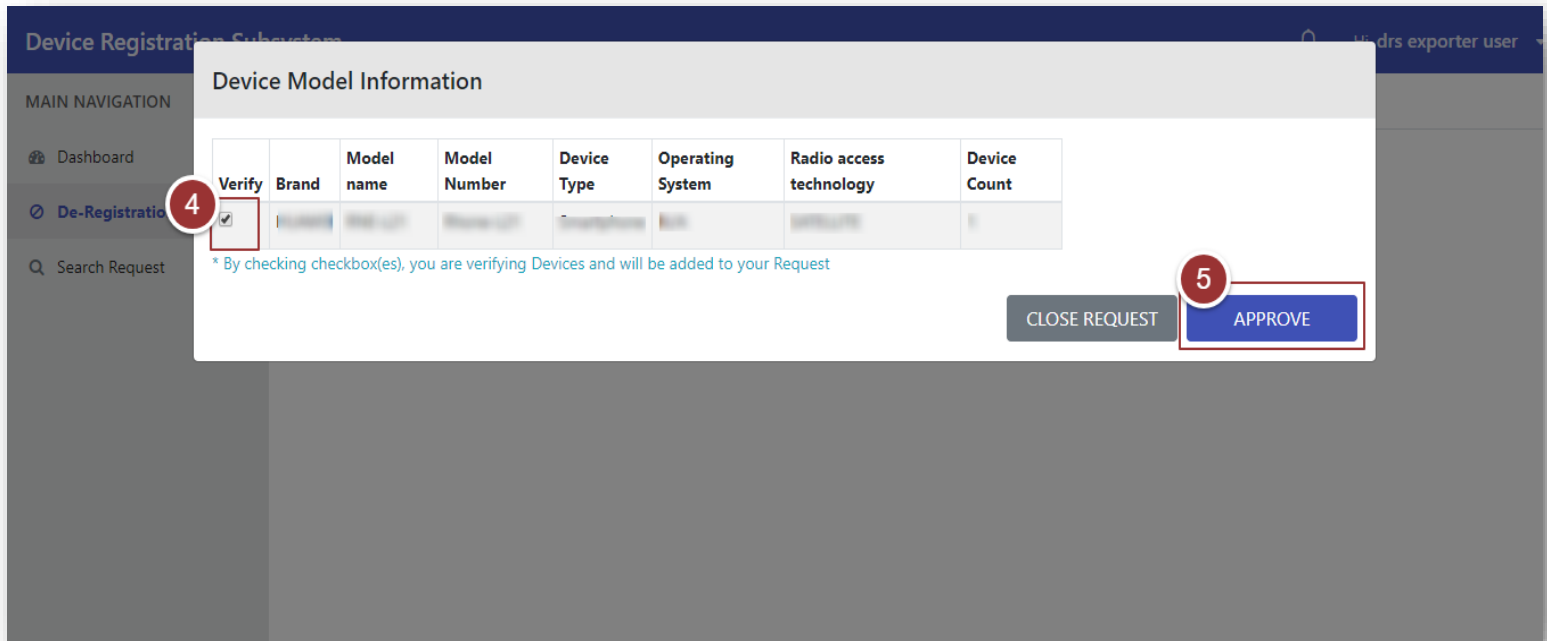
Figure 15 - Approve Request

After clicking on "Approve" button, it will redirect to Request view with tracking ID.

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

6. To view submitted request, click on "View Your Request" button.
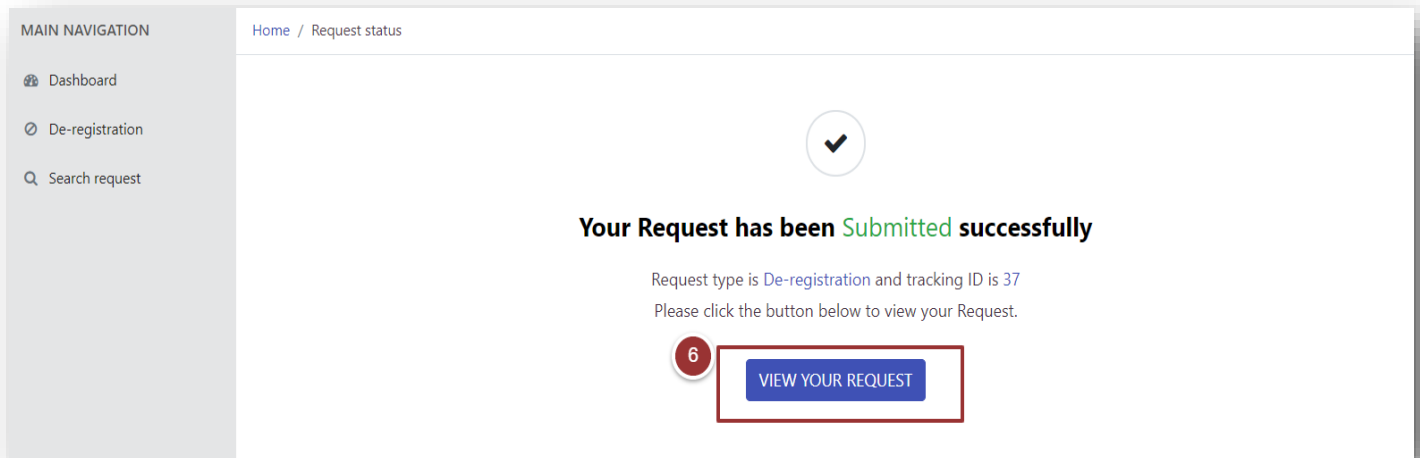
Figure 16 - View Your Request

Close Request

Perform steps 1-3 as per section 3.4

4. To close request, verify details and check checkbox(es) against correct device information.
5. Click on "Close Request" button.
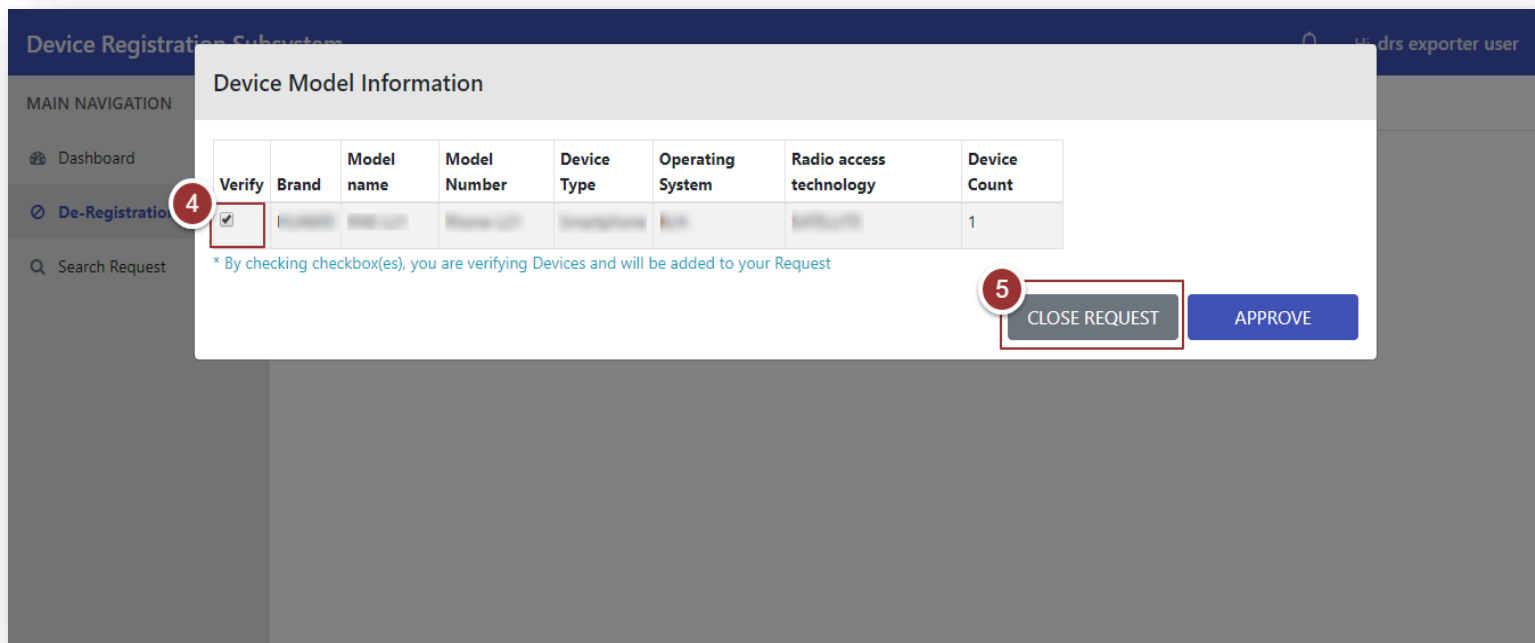
Figure 17 - Close Request

On clicking "Closed Request" button, a page will appear displaying details i.e. Confirmation Message, Tracking ID, and Status.

6. To view closed request, click on "View Your Request" button.
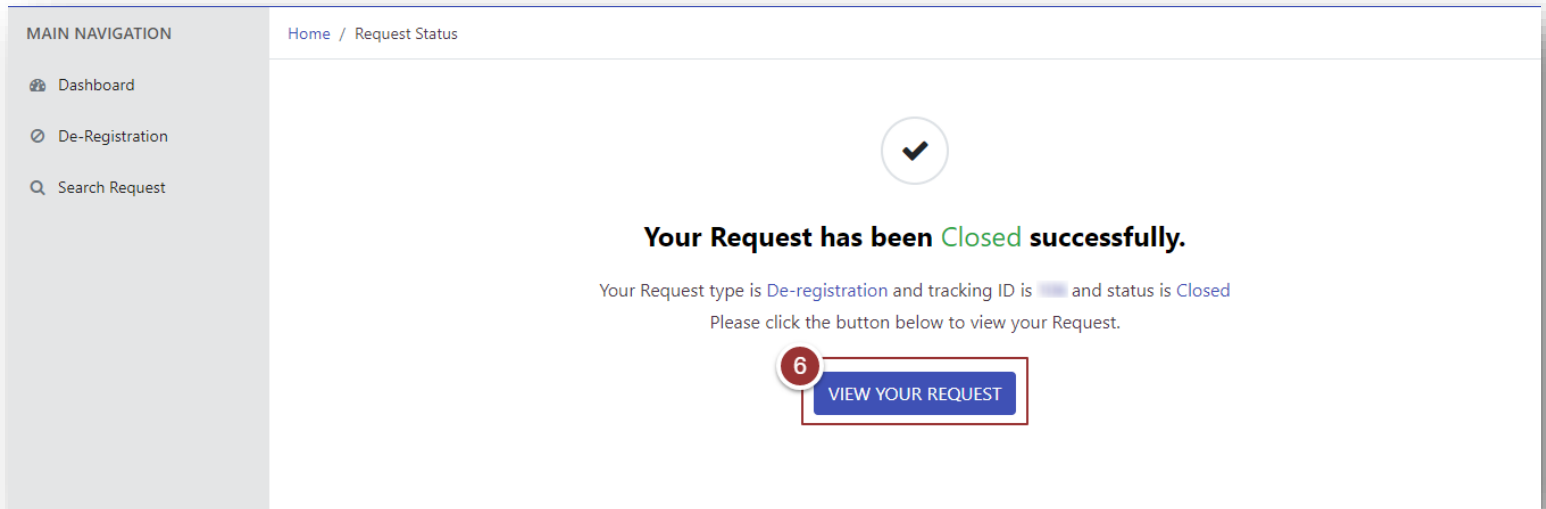
Figure 18 - View Your Request

Search Request

1. To search any request(s), click on "Search Request" tab.
2. To view all request(s), click on "Search Requests" button.

Figure 19 - Search Request

On clicking "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(s) i.e. Complete, Modify, and Close.

Figure 20 - Action Tab(s)

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

Figure 21 - View Request (i)

A page will appear displaying basic deregistration details of device.

Figure 22 - 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 23 - Download Report Button

Search Particular Request

1. To search any particular request(s), click on "Search Request" tab.
2. Enter any known information 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 request.
3. Click on "Search Requests" button.

Figure 24 - Search Filter (i)

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

MAIN NAVIGATION

- Dashboard
- De-registration
- Search request

Home / Search request

Search filters

Clear all

Request ID: ▮▮▮▮ ✖   Request status: **Closed** ✖

Request ID	Request status	Device IMEIs
4563	Closed	Type IMEI and press enter

SHOW MORE FILTERS   SEARCH REQUESTS

1 Request found

Request ID	Request type	Device Count	Created date	Date last updated	Request status	Actions
▮▮▮▮	De-registration	1	11:15 08/03/2019	15:49 11/03/2019	Closed	View

Figure 25 - Search Filter (ii)