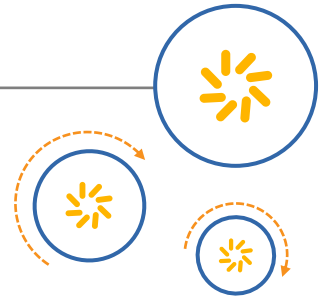




Qualcomm Technologies, Inc.



# Device Registration Subsystem 1.0.0

User Guide (Exporter)

DRS-User-Guide-Exporter-1.0.0

June 19, 2018

## Revision history

Revision	Date	Description
A		Initial release

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# 1. Introduction

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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, refurbishes 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	11.0
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**

<b>Name</b>	<b>Version</b>
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**

<b>Term</b>	<b>Definition</b>
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

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Table 4-System Description

Feature/Sections	Explanation
Login Screen	<ul style="list-style-type: none"><li>• 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</li></ul>
Dashboard Screen	<p>The dashboard screen displays the instructions for the user which has following sections</p> <ul style="list-style-type: none"><li>• <b>Header</b> Header section displays the name of the system, name of the logged in user with logout functionality</li><li>• <b>Navigation Panel</b> Navigation Panel contains main navigation menu through which user can navigate the whole system.</li><li>• <b>Main Content Area</b> Main Content Area contains all the content to be displayed and actions to be performed for respective feature</li><li>• <b>Breadcrumbs</b> Breadcrumbs allows user to keep track of their location within the system</li><li>• <b>Footer</b> Footer contains the software version and copyright text</li></ul>
Deregistration	<ul style="list-style-type: none"><li>• Facilitate user to de-register their device IMEIs by completing following two steps<ul style="list-style-type: none"><li>• Basic Deregistration Details</li><li>• Approval Documents</li></ul></li></ul>
Required Input(s) for Basic De-Registration	<ul style="list-style-type: none"><li>• <b>Device Count</b> Takes the total number of devices as input</li><li>• <b>Device IMEIs</b> Takes the file that contains the valid IMEI as input</li></ul>

Feature/Sections	Explanation
Device Model Information	<p>Displays the complete information of the device model in a table.</p> <p><b>Device Model Information</b></p> <ul style="list-style-type: none"><li>• <b>Brand</b> Displays the brand name of the device</li><li>• <b>Model Name</b> Displays the model name of the device</li><li>• <b>Model Number</b> Displays the model number of the device</li><li>• <b>Device Type</b> Displays the device type i.e. smartphone, tablet etc.</li><li>• <b>Operating System</b> Displays the operating system of the device i.e. Android or iOS</li><li>• <b>Radio access technology</b> Displays the radio access technologies of that device i.e. 2G, 3G, 4G, 5G etc.</li><li>• <b>Device Count</b> Takes the total number of devices as input</li></ul>
Approval Documents	<ul style="list-style-type: none"><li>• Takes three types of document of the device as input<ul style="list-style-type: none"><li>• Shipment Document</li><li>• Authorization Document</li><li>• Certificate Document</li></ul></li></ul>
Search Requests	<ul style="list-style-type: none"><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</li></ul>

Feature/Sections	Explanation
Request Status	<ul style="list-style-type: none"><li>• <b>New Request</b> Verify the details of the device model</li><li>• <b>Awaiting Documents</b> Request is still awaited for approval documents to upload</li><li>• <b>Pending Review</b> Request is not yet assigned to any authorized entity</li><li>• <b>In Review</b> Request has assigned to authorized entity</li><li>• <b>Information Requested</b> Request has some missing information</li><li>• <b>Approved</b> Request has been approved by authorized entity</li><li>• <b>Rejected</b> Request has been rejected by authorized entity due to invalid information</li><li>• <b>Closed</b> Request has been closed by the user</li></ul>



## 3. System Navigation

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### 3.1. Login Screen

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

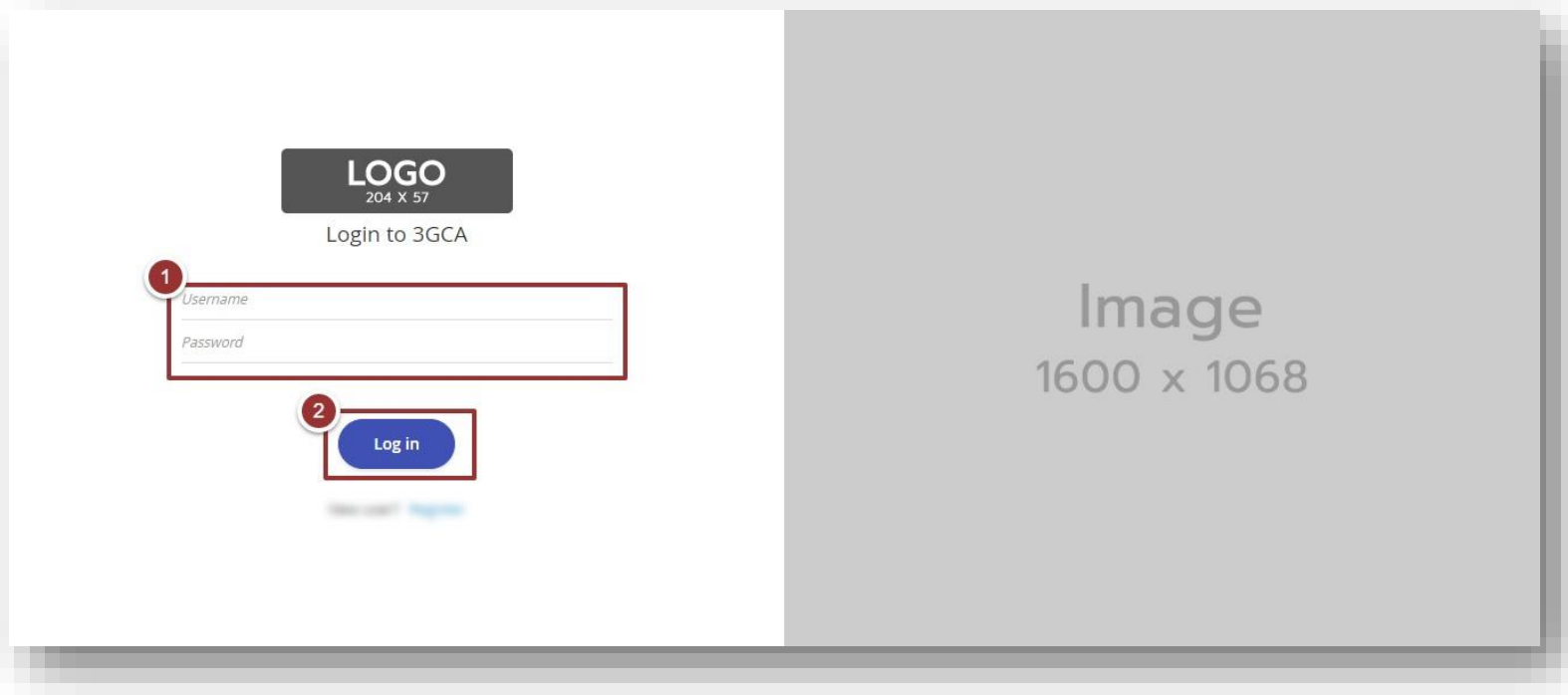


Figure 1-Login Screen

## 3.2. Dashboard Overview

The dashboard screen is divided into following sections

1. **Header** section displays the name of the system, name of the 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 the version and copyrights statement

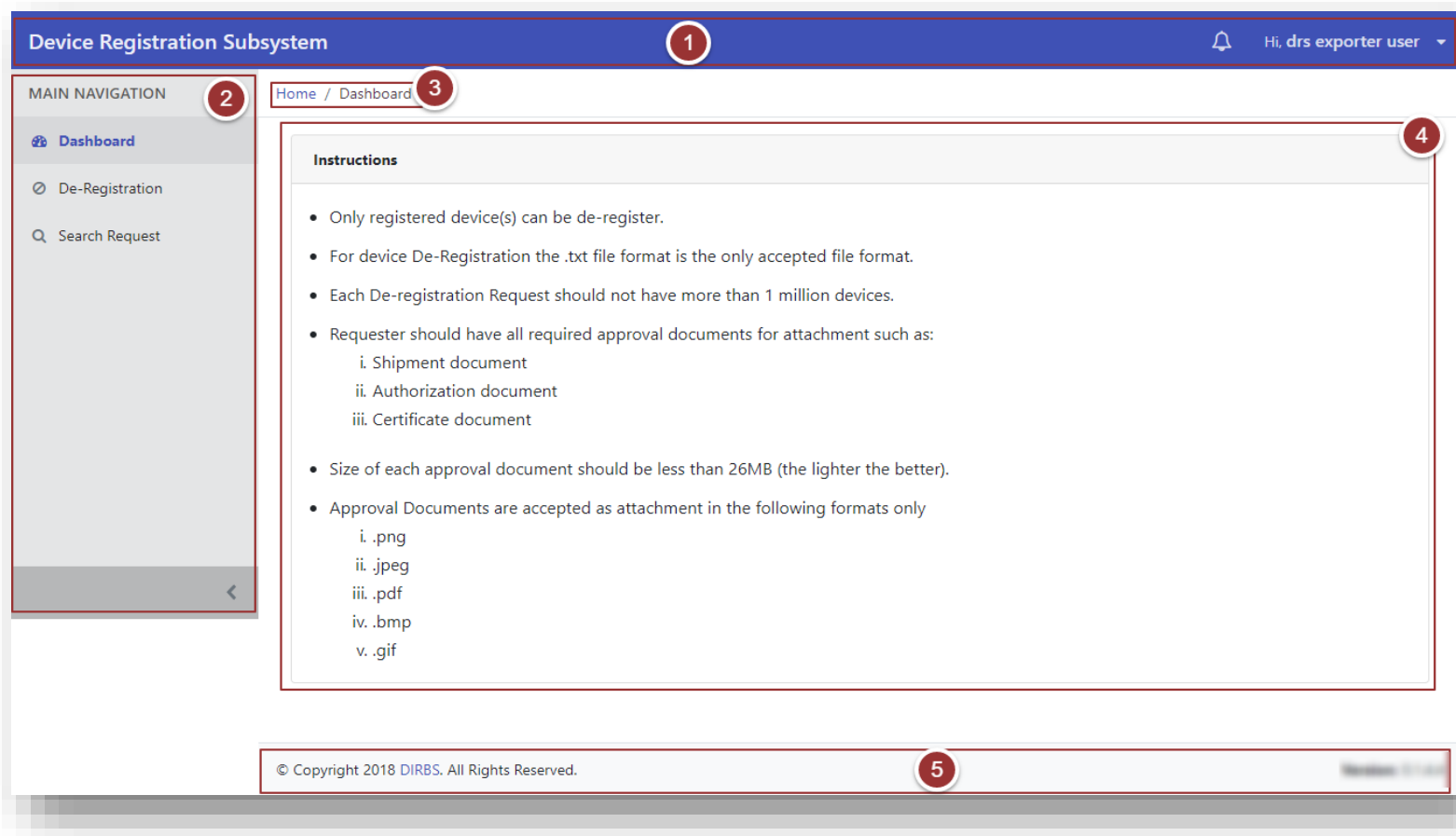


Figure 2-Dashboard Screen

### 3.3. De-Registration

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

Home / De-Registration

**MAIN NAVIGATION**

- Dashboard
- De-Registration**
- Search Request

**Basic De-registration details**

Device IMEIs \*

Choose File No file chosen

Device Count \*

Device Count

Reason for De-registration \*

Type reason for De-registration

**Basic De-registration details**

Approval documents

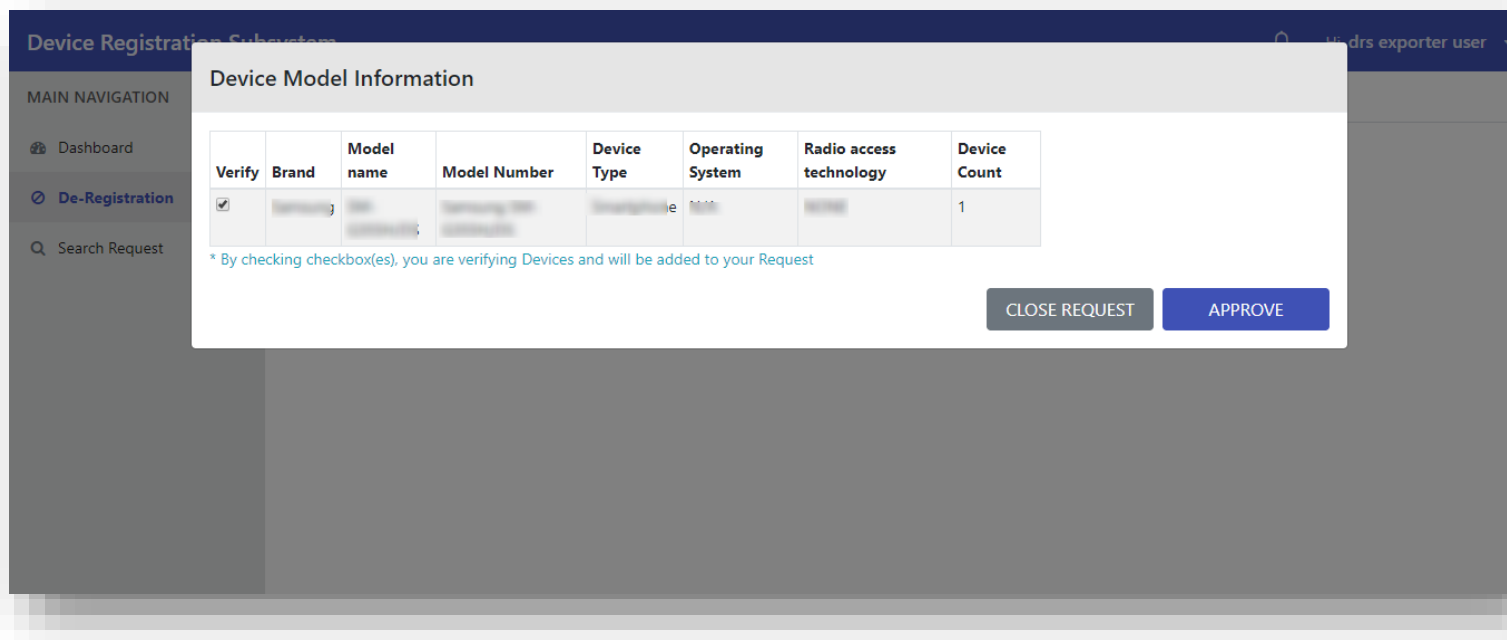
Sample IMEI File

DOWNLOAD FILE

**NEXT**

Figure 3-Deregistration

A popup will appear that contains the details of the device model.



**Figure 4-Device Model Information**

### 3.3.1. Approve Request

Perform steps 1-3

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

**Note:** Only registered IMEIs can be approved

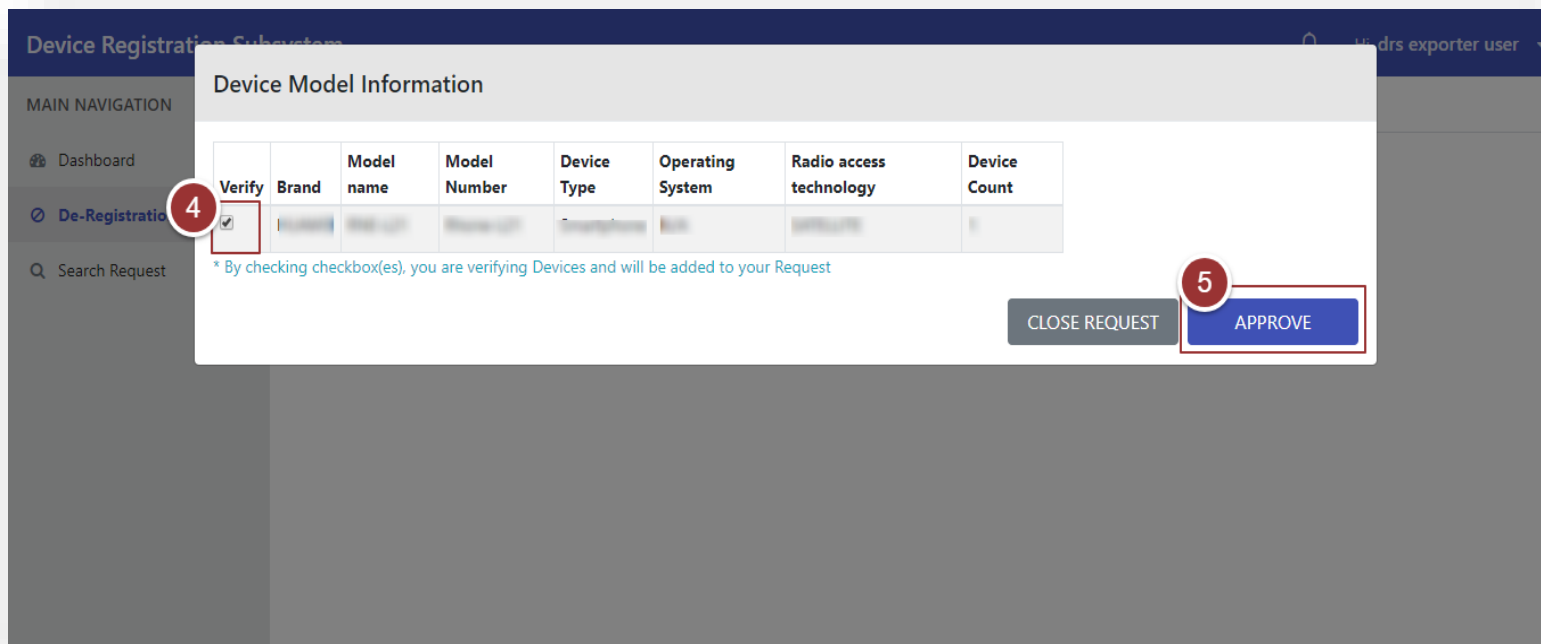


Figure 5-Approve Request

After clicking on the “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 the file, click on the “Choose File” button and select the file containing required information

**Note:** File should be in pre-defined format.

7. To view the previous entered details i.e. Basic Deregistration Details and Device Model Information, click on the “Previous Details” tab
8. Click on the “Submit” Button

Home / De-Registration

Request ID: 102 Request Type: De-registration

Status: Awaiting Documents

Previous Details

6

Approval Documents

Shipment document \*

Choose File No file chosen

Authorization document \*

Choose File No file chosen

Certificate document \*

Choose File No file chosen

8 SUBMIT

7

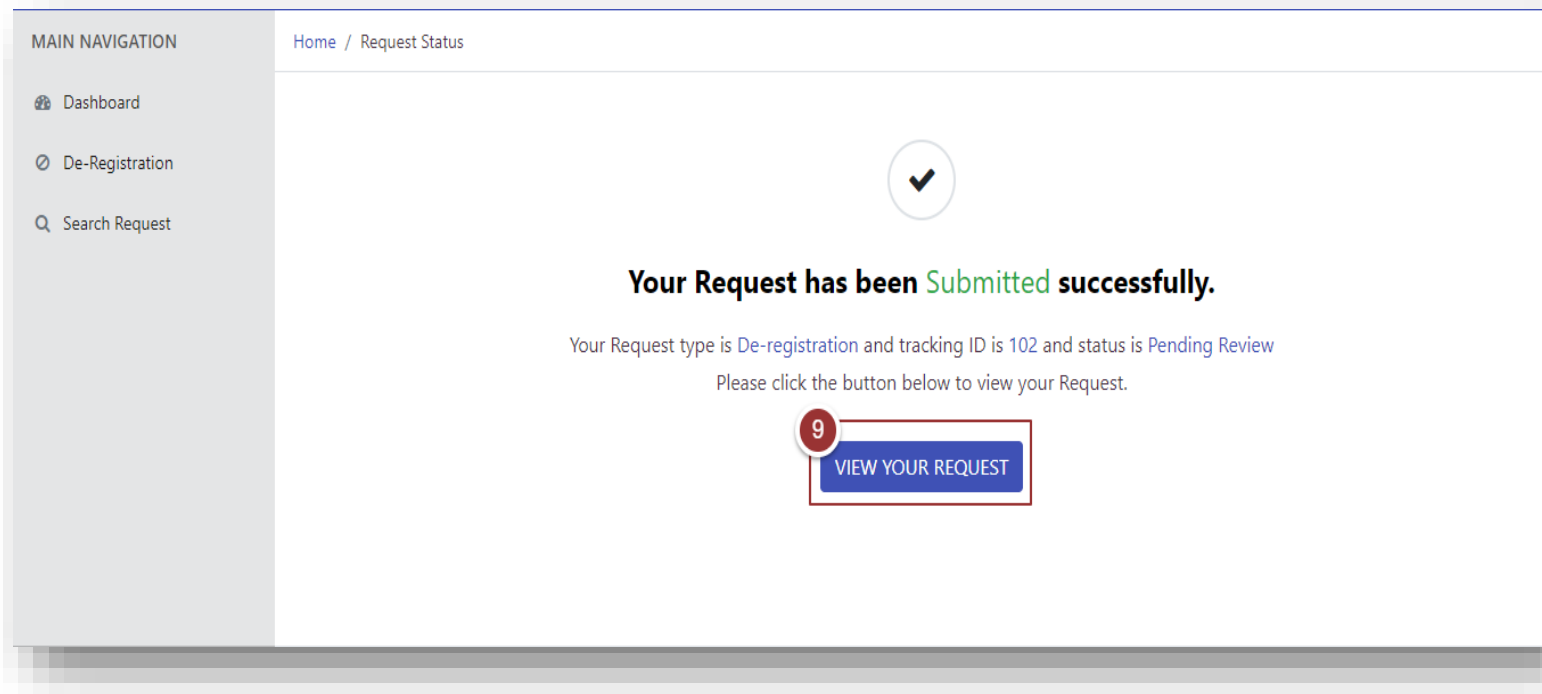
Basic De-registration details

Approval documents

Figure 6-Approval Documents

On submission of the request, a page will appear that displays the details (Confirmation Message, Tracking ID, and Status)

9. To view the submitted request, click on the “View Your Request” button



**Figure 7-View Your Request**

### 3.3.2. Close Request

Perform steps 1-3

4. To close the request, verify the details and check the checkbox(es) against the correct device information
5. Click on the “Close Request” button

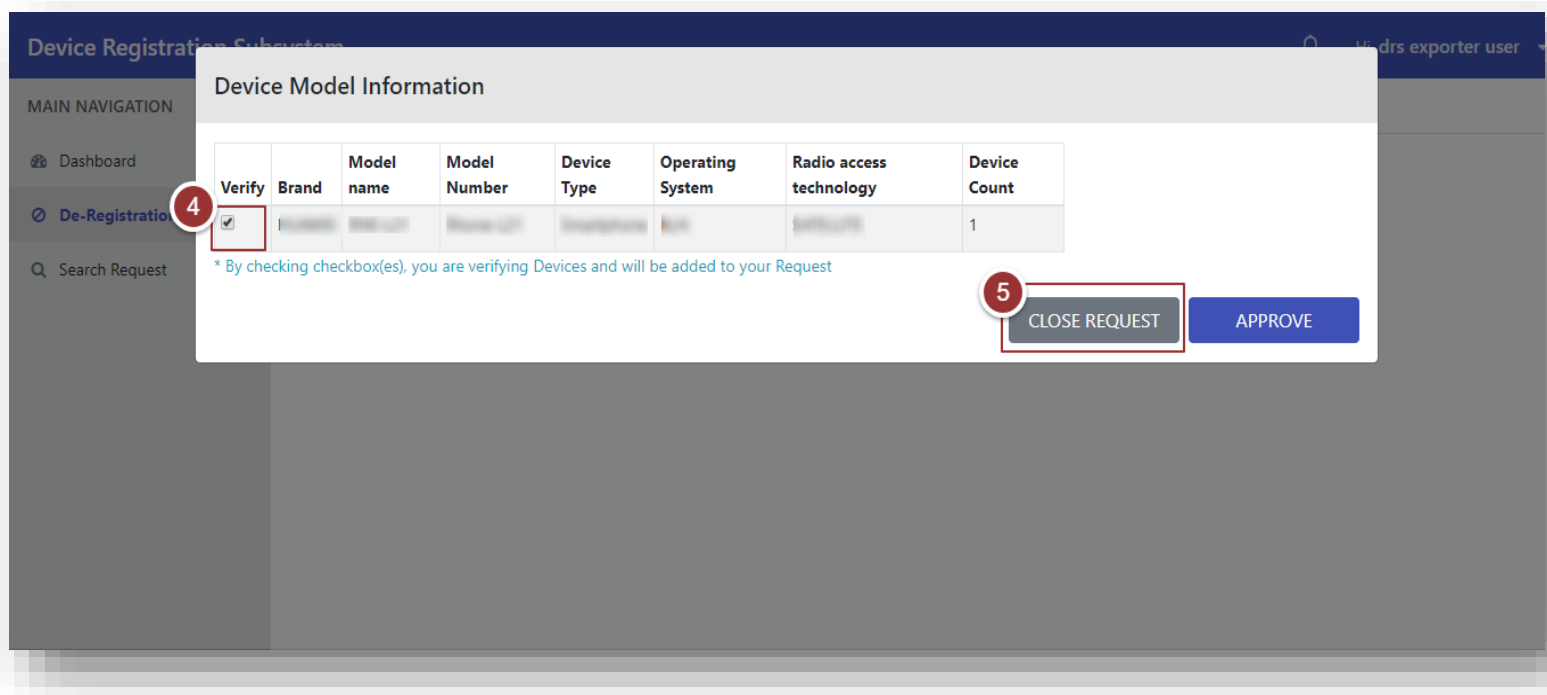
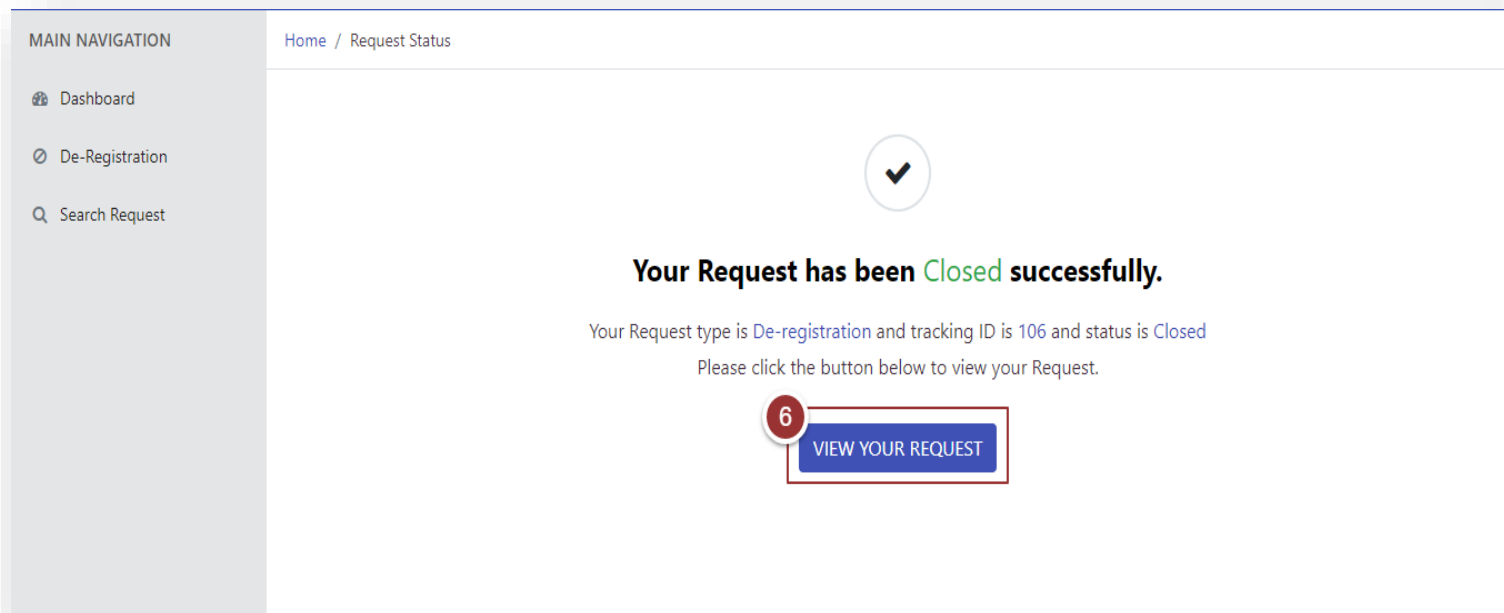


Figure 8-Close Request



On clicking the button, a page will appear that displays the details (Confirmation Message, Tracking ID, and Status)

6. To view the closed request, click on the “View Your Request” button



**Figure 9-View Your Request**

## 3.4. Search Request

1. To search any request(s) click on “Search Request ” tab
2. To view all request(s) click on the “Search Requests” tab

The screenshot displays the 'Search Request' interface. On the left, a 'MAIN NAVIGATION' sidebar contains three items: 'Dashboard', 'De-Registration', and 'Search Request'. The 'Search Request' item is highlighted with a red box and a red circle containing the number '1'. The main content area has a breadcrumb trail 'Home / Search Request'. Below this is a 'Search Filters' section with three input fields: 'Request ID' (with a placeholder 'Request ID'), 'Request Status' (a dropdown menu with 'Select Request status'), and 'Device IMEIs' (with a placeholder 'Type IMEI and Press Enter'). Below these fields are three buttons: 'CLEAR SEARCH', 'SHOW MORE FILTERS', and 'SEARCH REQUESTS'. The 'SEARCH REQUESTS' button is highlighted with a red box and a red circle containing the number '2'.

Figure 10-Search Request

On clicking the button, system will display all requests that contain (Request ID, Request Type, Device Count, Date Created, Date Last Updated, Request Status, and Actions)

- To update the request, click on the required action(s) (Complete, Modify, and Close)

MAIN NAVIGATION

Dashboard
De-Registration
Search Request

Home / Search Request

**Search Filters**

Request ID

Request ID

Request Status

Select Request status

Device IMEIs

Type IMEI and Press Enter

CLEAR SEARCH

SHOW MORE FILTERS

SEARCH REQUESTS

94 Requests found

Request ID	Request Type	Device Count	Date Created	Date Last Updated	Request Status	Actions
117	De-registration	26	2018-10-16 06:22:00	2018-10-16 06:26:37	In Review	View
116	De-registration	10	2018-10-16 06:10:52	2018-10-16 06:10:52	New Request	Complete   Close
115	De-registration	5	2018-10-16 06:10:25	2018-10-16 06:36:52	Pending Review	Modify   View   Close
114	De-registration	5	2018-10-16 06:09:49	2018-10-16 06:11:52	Pending Review	Modify   View   Close
113	De-registration	19	2018-10-16 06:05:11	2018-10-16 06:07:16	Pending Review	Modify   View   Close
112	De-registration	8	2018-10-16 06:03:30	2018-10-16 06:05:35	Pending Review	Modify   View   Close
111	De-registration	11	2018-10-16 06:02:39	2018-10-16 06:04:45	Pending Review	Modify   View   Close
110	De-registration	21	2018-10-16 05:59:36	2018-10-16 06:01:48	Awaiting Documents	Complete   Close
109	De-registration	15	2018-10-16 05:42:06	2018-10-16 05:44:11	Pending Review	Modify   View   Close
108	De-registration	15	2018-10-16 05:37:36	2018-10-16 05:37:43	Closed	View

< ( 1 2 3 4 5 6 7 8 9 10 ) >

Figure 11-Action Tab(s)

4. To search the particular request 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 the request
5. Click on “Search Requests” button

The screenshot displays the 'Search Request' page. On the left is a 'MAIN NAVIGATION' sidebar with links to 'Dashboard', 'De-Registration', and 'Search Request' (which is highlighted). The main content area has a breadcrumb 'Home / Search Request'. Below this is a 'Search Filters' section. It contains three input fields: 'Request ID' (with a placeholder 'Request ID'), 'Request Status' (a dropdown menu with 'Select Request status'), and 'Device IMEIs' (a text input with a placeholder 'Type IMEI and Press Enter'). Below these fields are two buttons: 'CLEAR SEARCH' and 'SHOW MORE FILTERS'. To the right of these buttons is a prominent blue 'SEARCH REQUESTS' button. Red callout boxes with numbers 4 and 5 highlight the search filter area and the 'SEARCH REQUESTS' button, respectively.

**Figure 12-Search Filter(s)**