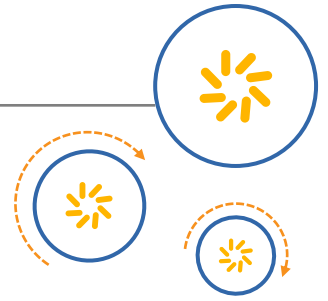




Qualcomm Technologies, Inc.



Device Registration Subsystem 3.0.0

User Guide (Exporter)

DRS-User-Guide-Exporter-3.0.0

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Revision history

Revision	Date	Description
A		Release 2.0.0
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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 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	<ul style="list-style-type: none"> 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 user to DRS.
Portal Sections	<p>The portal is divided into following sections.</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Facilitate user to deregister their device IMEIs by completing following two steps <ul style="list-style-type: none"> Basic Deregistration Details Approval Documents
Required Input(s) for Basic De-Registration	<ul style="list-style-type: none"> 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	<p>Displays complete information of device model in a table.</p> <p>Device Model Information</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • Three types of approval documents are required for deregistration of the device • Shipment Document • Authorization Document • Certificate Document
Search Requests	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.

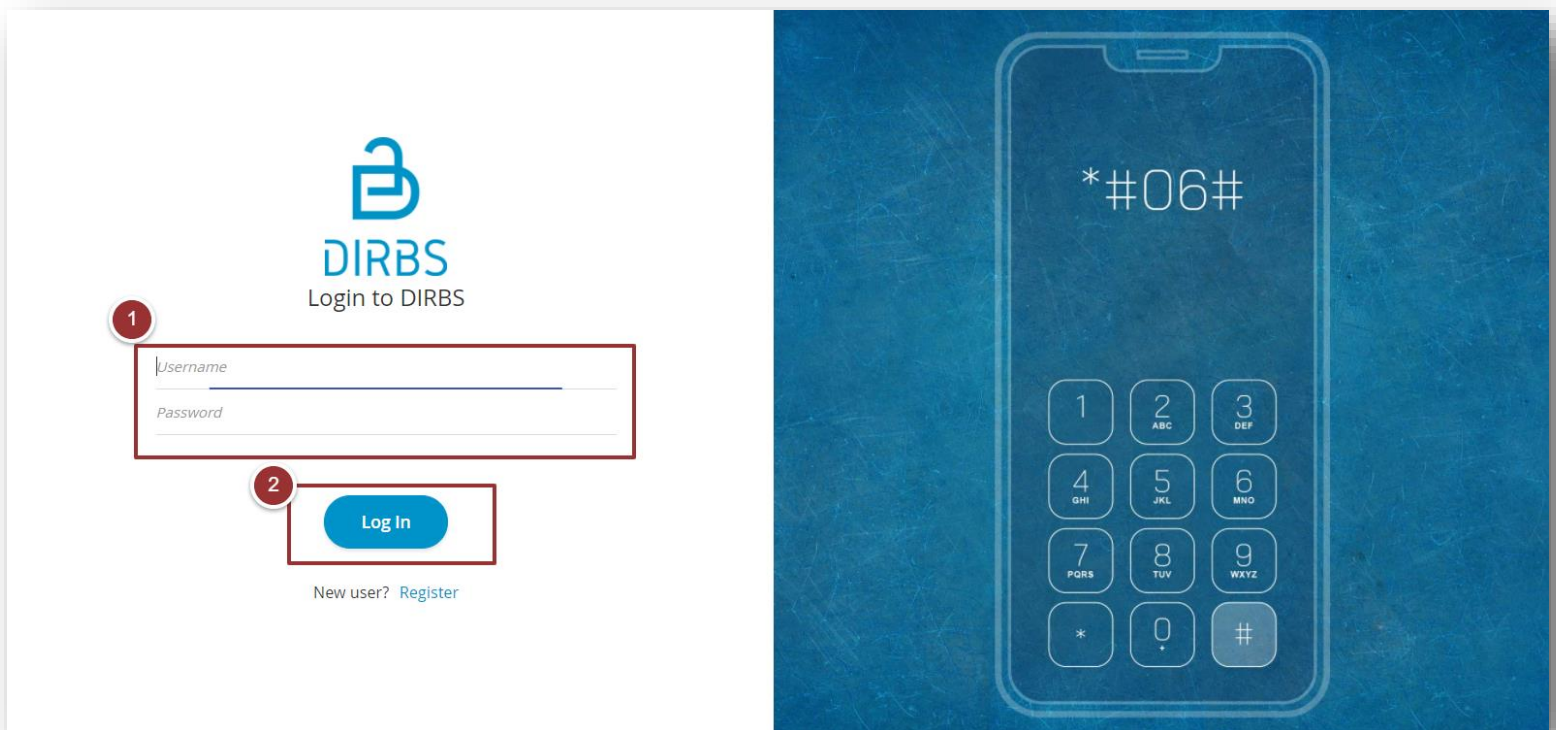


Figure 1 - Login Screen

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.

The screenshot shows the DRS - Device Registration Subsystem portal. The interface includes a header bar with the system name, language dropdown, notification icon, and user information. A main navigation panel on the left lists options like Dashboard, De-registration, and Search request. The main content area displays four summary cards for Pending Reviews (45), Awaiting Documents (61), In Review Requests (18), and Information Requested (1). Below these is a table of recent pending requests.

#	Request ID	Request type	Device Count	Date created	Request status
1	[REDACTED]	De-registration	3	15:13 18/03/2019	Pending review
2	[REDACTED]	De-registration	3	12:33 18/03/2019	Pending review
3	[REDACTED]	De-registration	3	12:30 18/03/2019	Pending review
4	[REDACTED]	De-registration	3	12:28 18/03/2019	Pending review
5	[REDACTED]	De-registration	3	12:22 18/03/2019	Pending review
6	[REDACTED]	De-registration	3	12:17 18/03/2019	Pending review
7	[REDACTED]	De-registration	3	15:35 11/03/2019	Pending review
8	[REDACTED]	De-registration	3	14:33 11/03/2019	Pending review
9	[REDACTED]	De-registration	3	14:33 11/03/2019	Pending review
10	[REDACTED]	De-registration	3	12:04 29/10/2018	Pending review

The footer contains the copyright notice: © Copyright 2011 DIRBS. All Rights Reserved. and the version information: Version: [REDACTED].

Figure 2 - Portal Sections

Language Menu

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

The screenshot shows the DRS - Device Registration Subsystem dashboard. At the top right, there is a language drop-down menu labeled 'English' with a red circle and the number '1' indicating it should be clicked. The menu is open, showing options for English, Spanish, and Indonesian. The dashboard includes a main navigation sidebar with links to Dashboard, De-registration, and Search request. The main content area features four summary cards: Pending Reviews (45 Requests), Awaiting Documents (61 Requests), Requests (18 Requests), and Information Requested (1 Requests). Below these cards is a table titled 'Recent pending requests' with 10 rows of data.

#	Request ID	Request type	Device Count	Date created	Request status
1	[REDACTED]	De-registration	3	15:13 18/03/2019	Pending review
2	[REDACTED]	De-registration	3	12:33 18/03/2019	Pending review
3	[REDACTED]	De-registration	3	12:30 18/03/2019	Pending review
4	[REDACTED]	De-registration	3	12:28 18/03/2019	Pending review
5	[REDACTED]	De-registration	3	12:22 18/03/2019	Pending review
6	[REDACTED]	De-registration	3	12:17 18/03/2019	Pending review
7	[REDACTED]	De-registration	3	15:35 11/03/2019	Pending review
8	[REDACTED]	De-registration	3	14:33 11/03/2019	Pending review
9	[REDACTED]	De-registration	3	14:33 11/03/2019	Pending review
10	[REDACTED]	De-registration	3	12:04 29/10/2018	Pending review

Figure 3 - Language Menu

Notification Alerts

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



DRS - Device Registration Subsystem

English | Hi, drs exporter user

Home / Dashboard

MAIN NAVIGATION

- Dashboard
- De-registration
- Search request

Pending Reviews
45 Requests [View](#)

Awaiting Documents
61 Requests [View](#)

Information Requested
18 Requests [View](#)

Recent pending requests

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

Notifications

- Your request [REDACTED] has been rejected
14/03/2019 04:9:36 pm [Rejected](#)
- Your request [REDACTED] has been approved
13/03/2019 02:58:4 pm [Approved](#)
- Your request [REDACTED] has been reviewed
12/03/2019 03:20:34 pm [Information requested](#)
- Your request [REDACTED] has been reviewed
12/03/2019 03:18:57 pm [Information requested](#)

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.

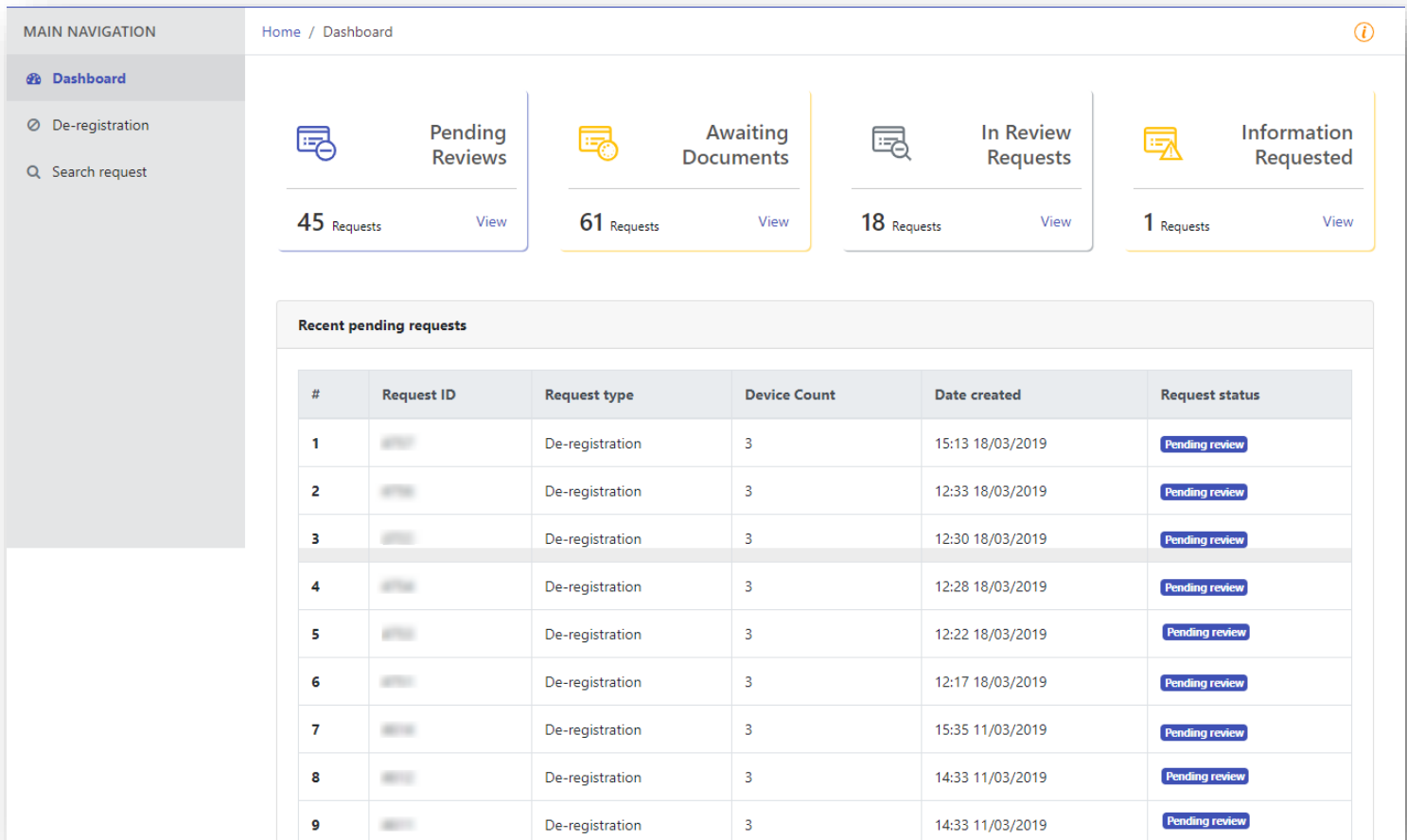


Figure 5 - Dashboard

System Instructions

1. To view instructions, click on icon

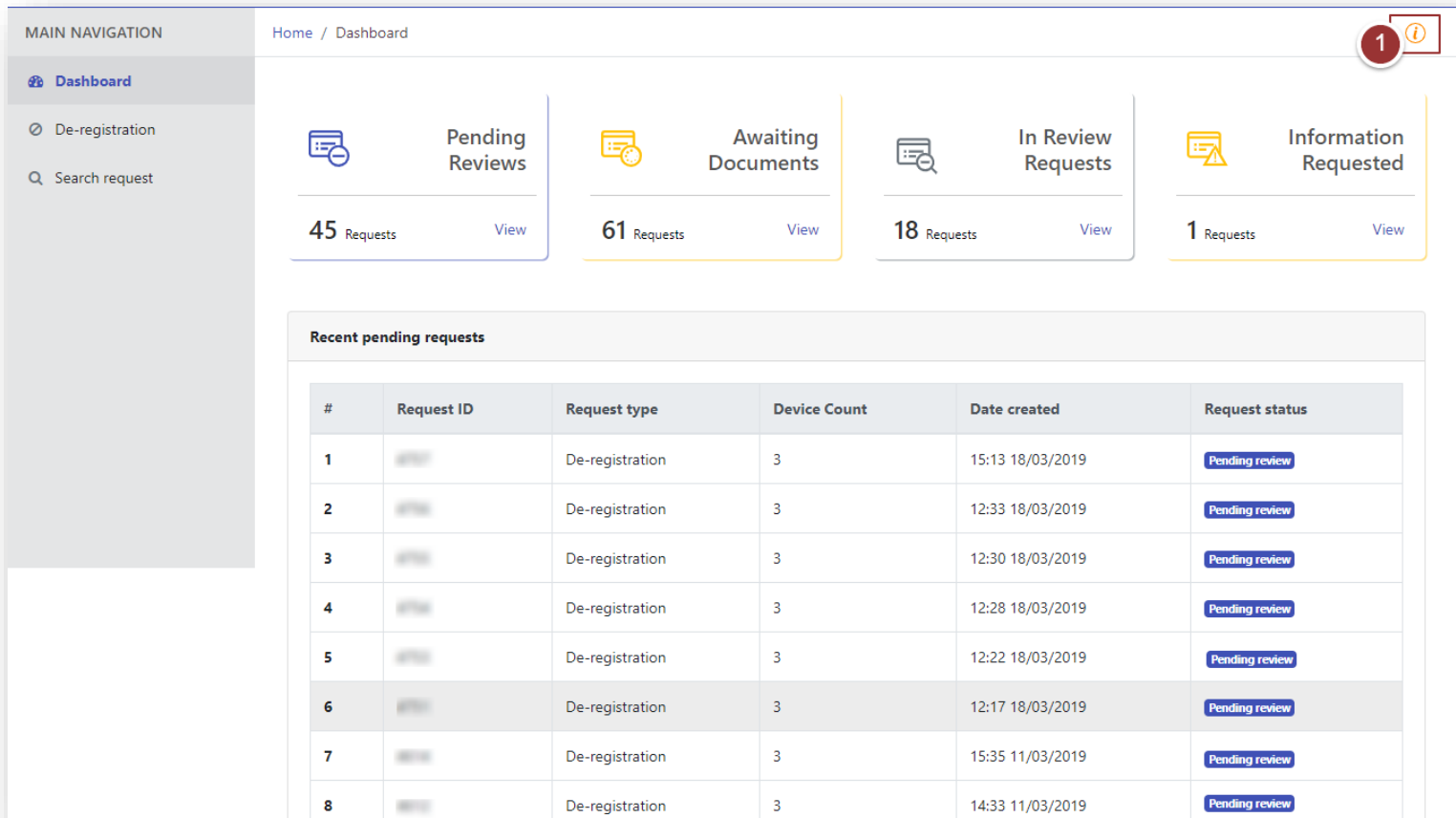


Figure 6 - System Instructions (i)

By clicking on instructions icon,



a pop up will appear displaying instructions for user.

2. Click on “Close” button to proceed further.

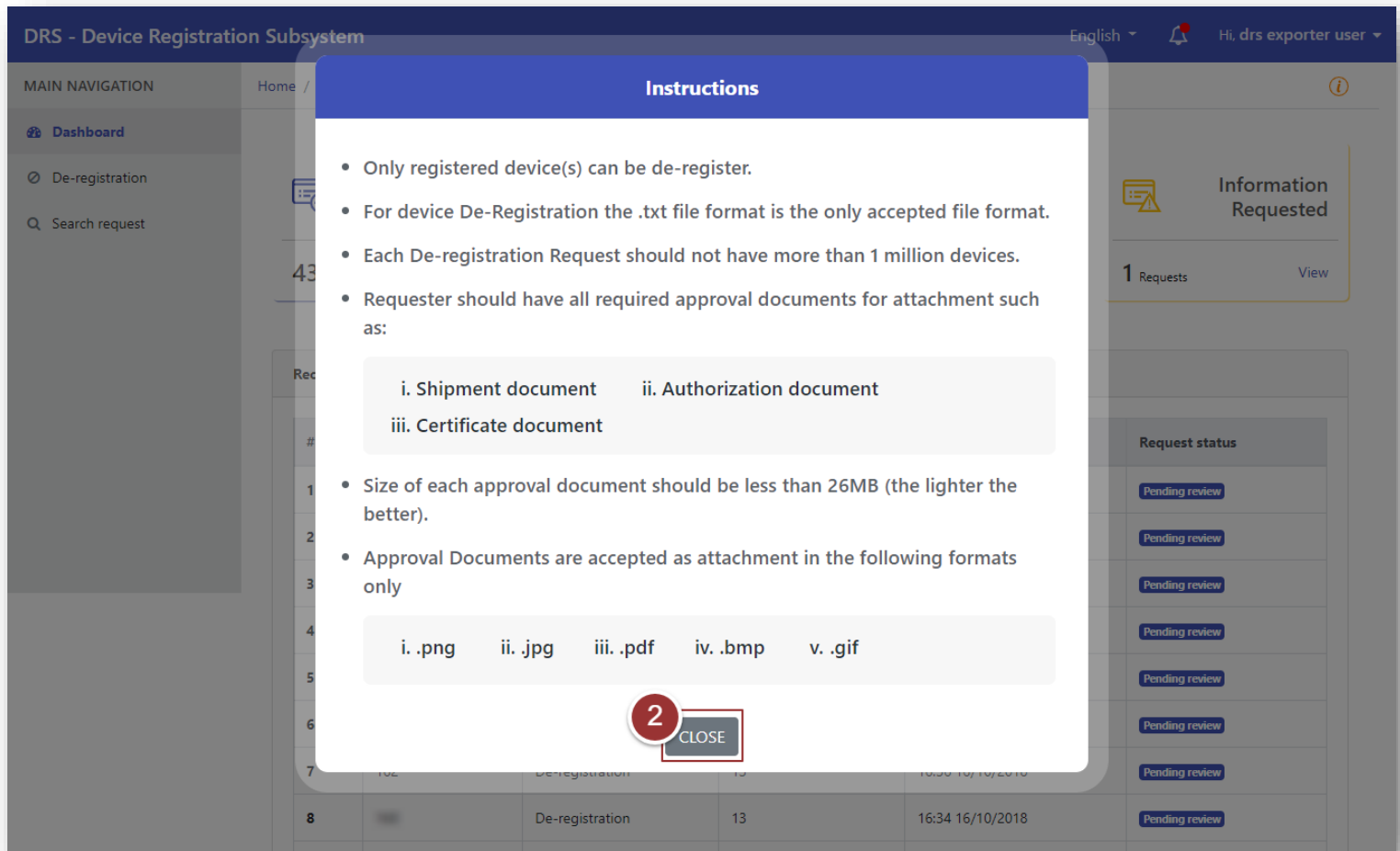


Figure 7 - System Instructions (ii)

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.

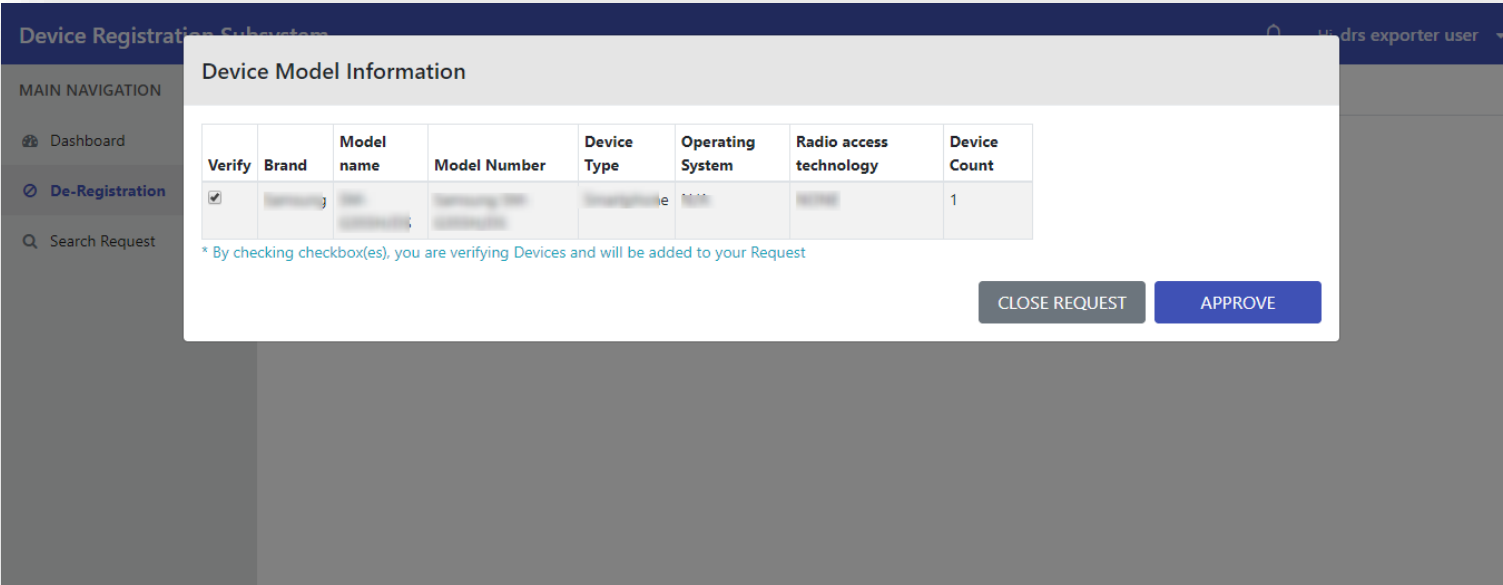


Figure 9 - Device Model Information

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.

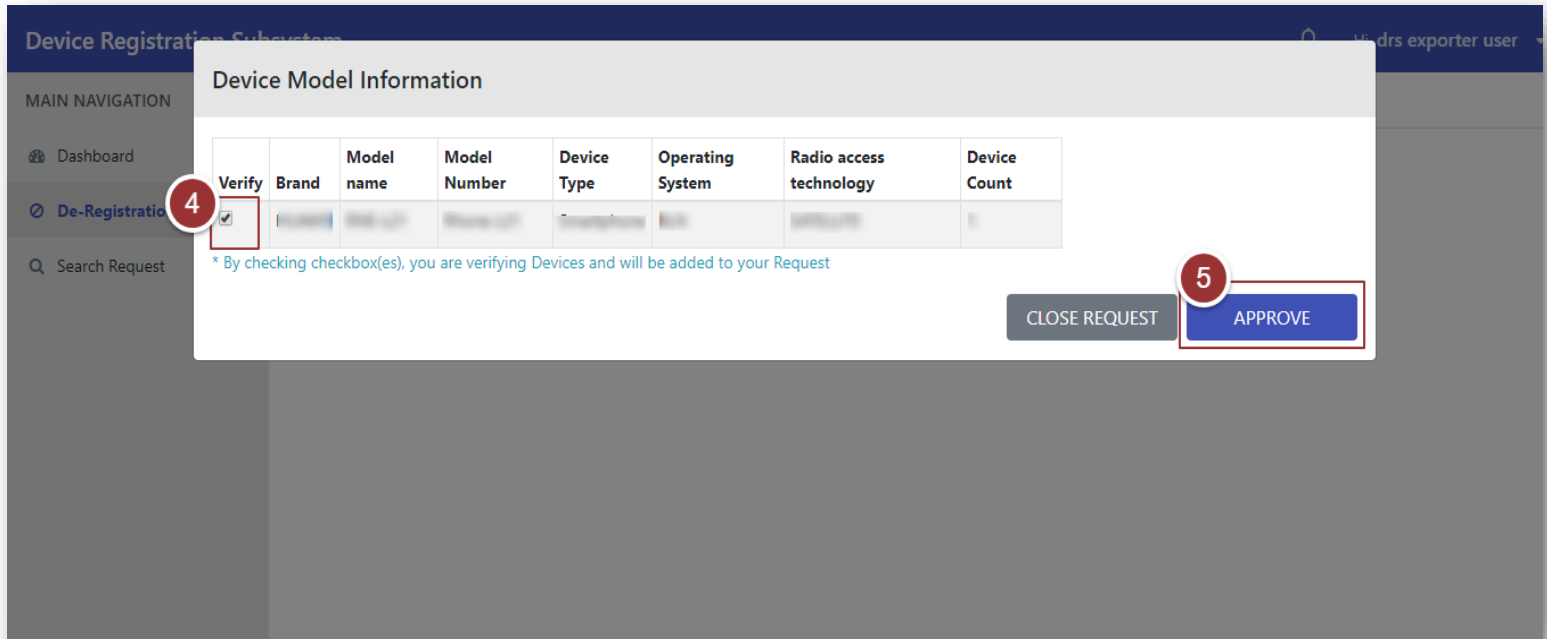


Figure 10 - Approve Request

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.

Home / De-Registration

Request ID: [redacted] Request Type: De-registration

Status: Awaiting Documents

6

Approval Documents

Shipment document *

Choose File No file chosen

Authorization document *

Choose File No file chosen

Certificate document *

Choose File No file chosen

7

Previous Details

8

SUBMIT

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.

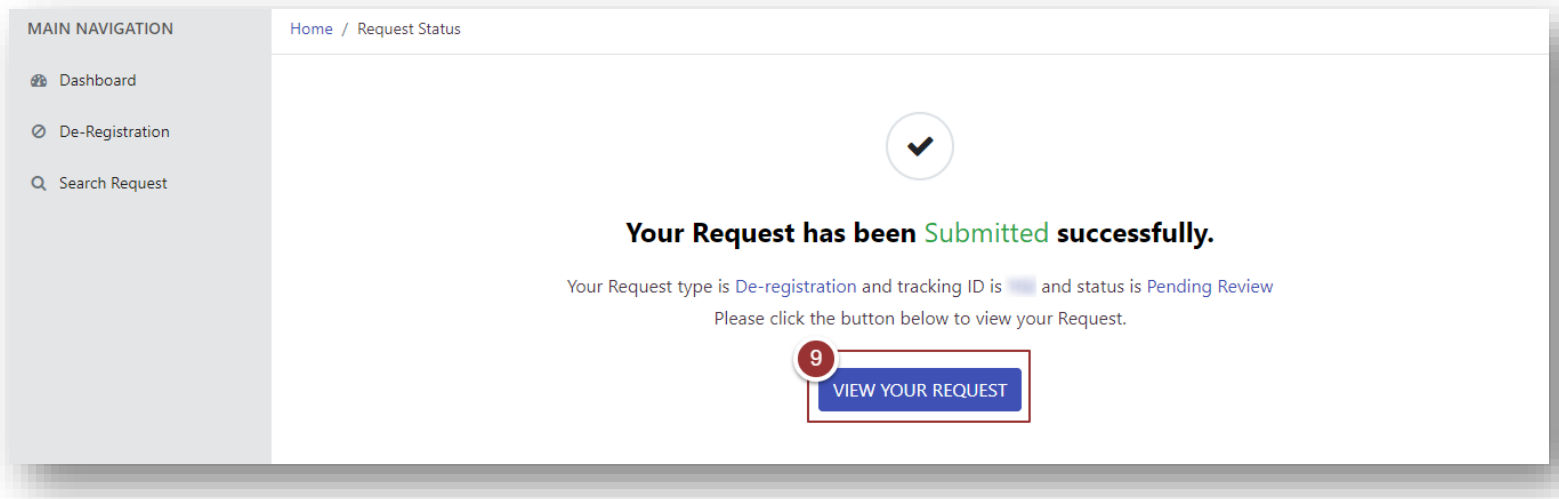


Figure 12 - View Your Request

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.

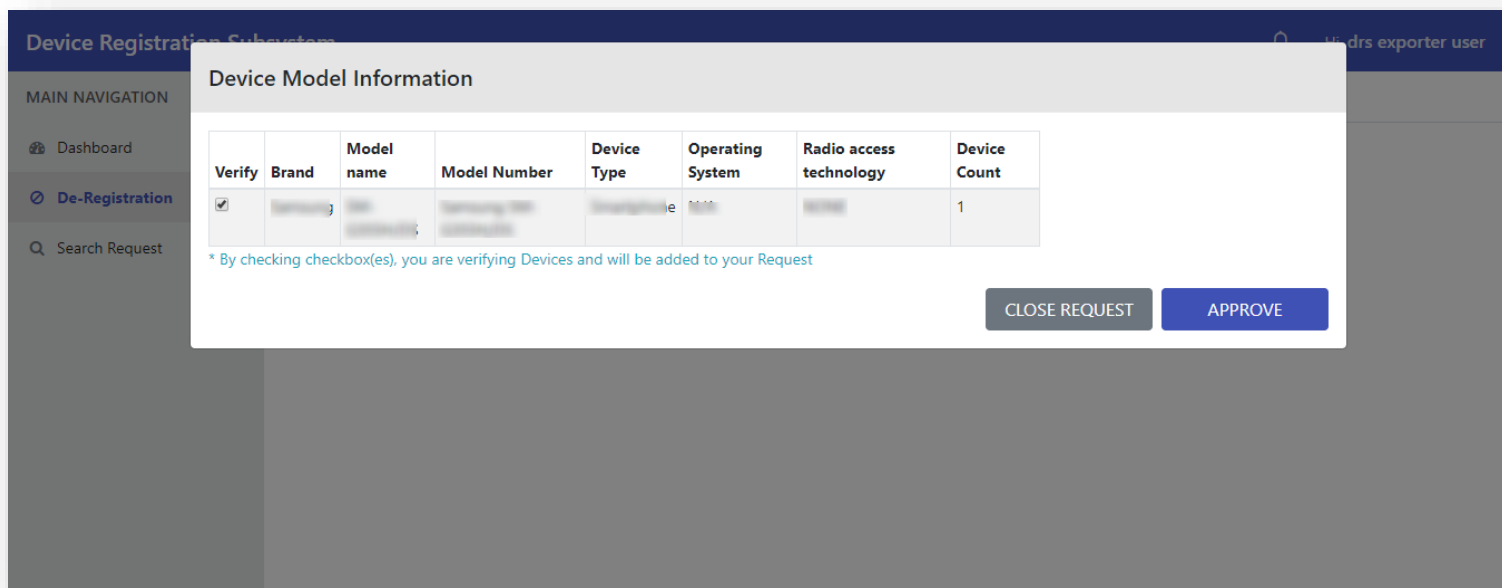


Figure 14 - Device Model Information

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.

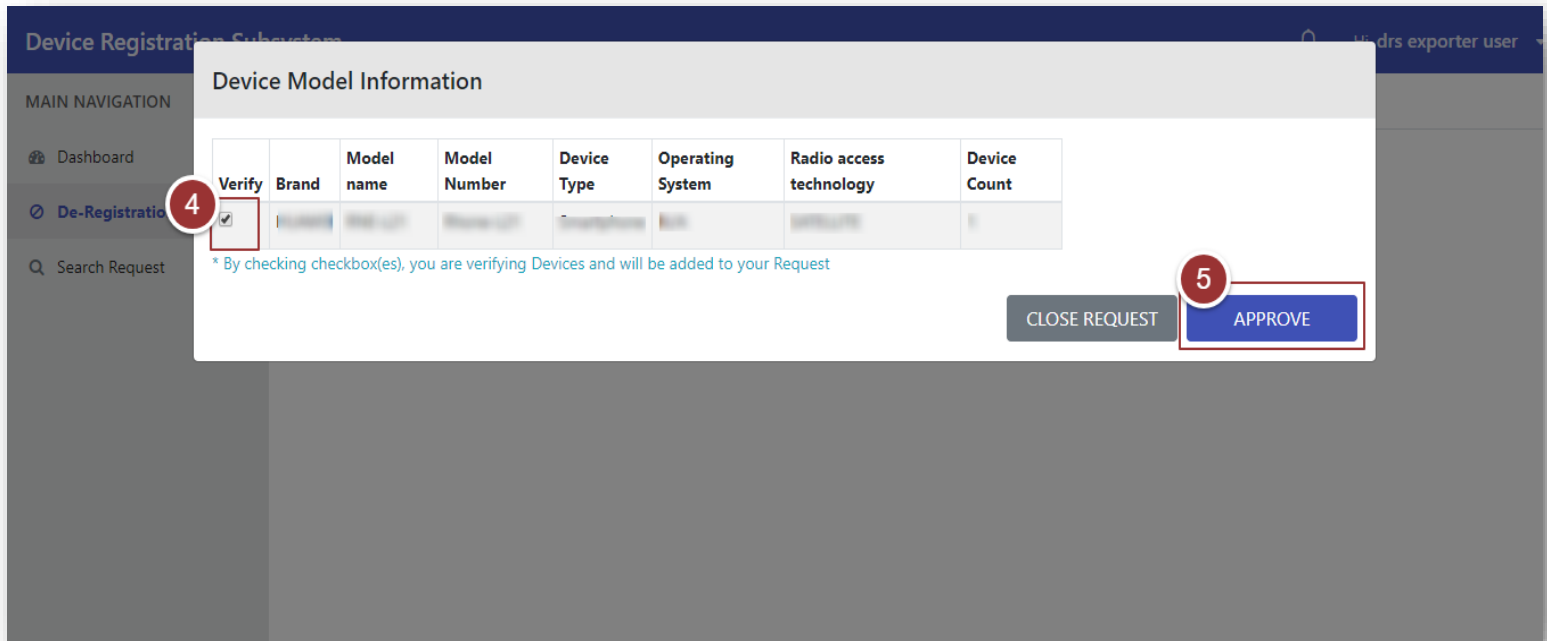


Figure 15 - Approve Request

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.

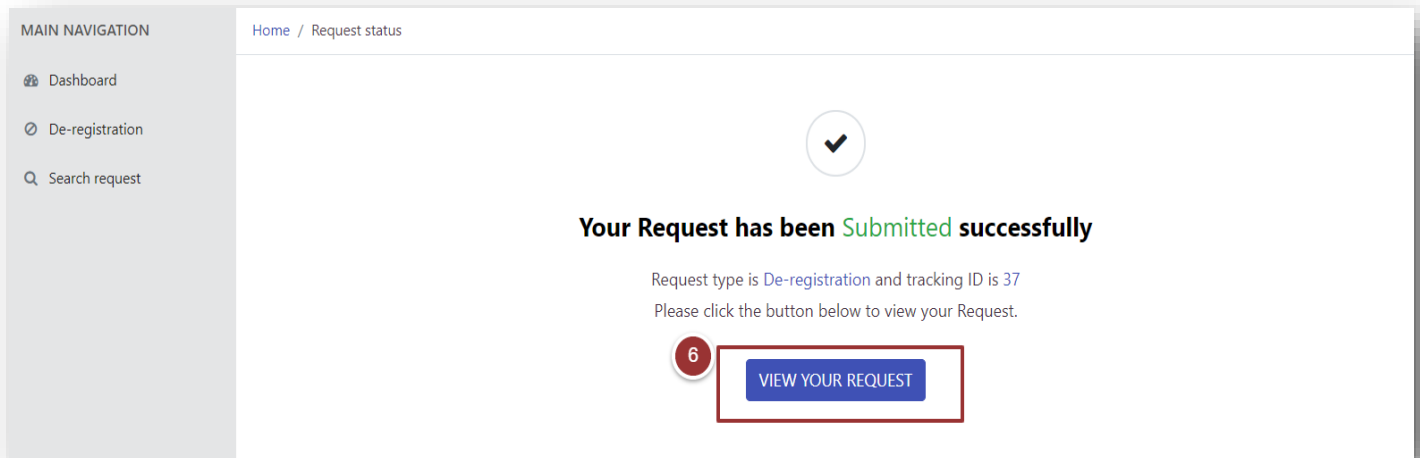


Figure 16 - View Your Request

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.

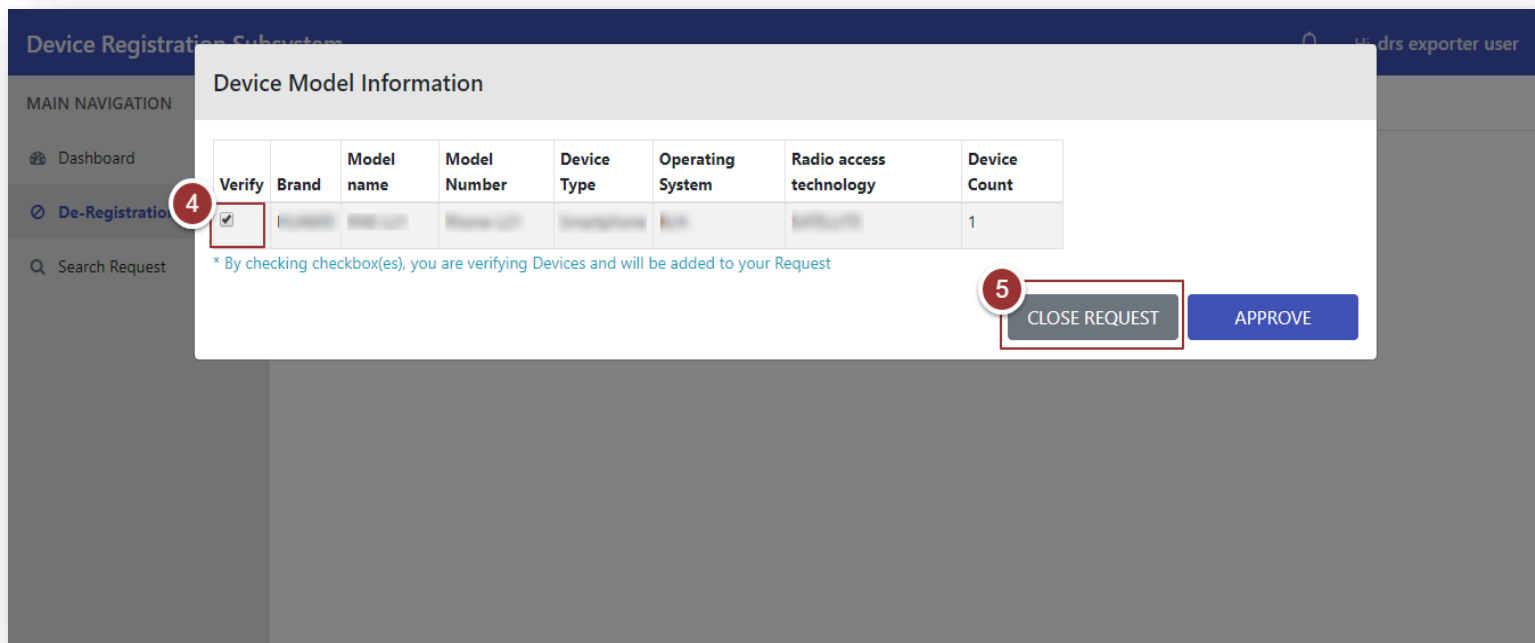


Figure 17 - Close Request

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.

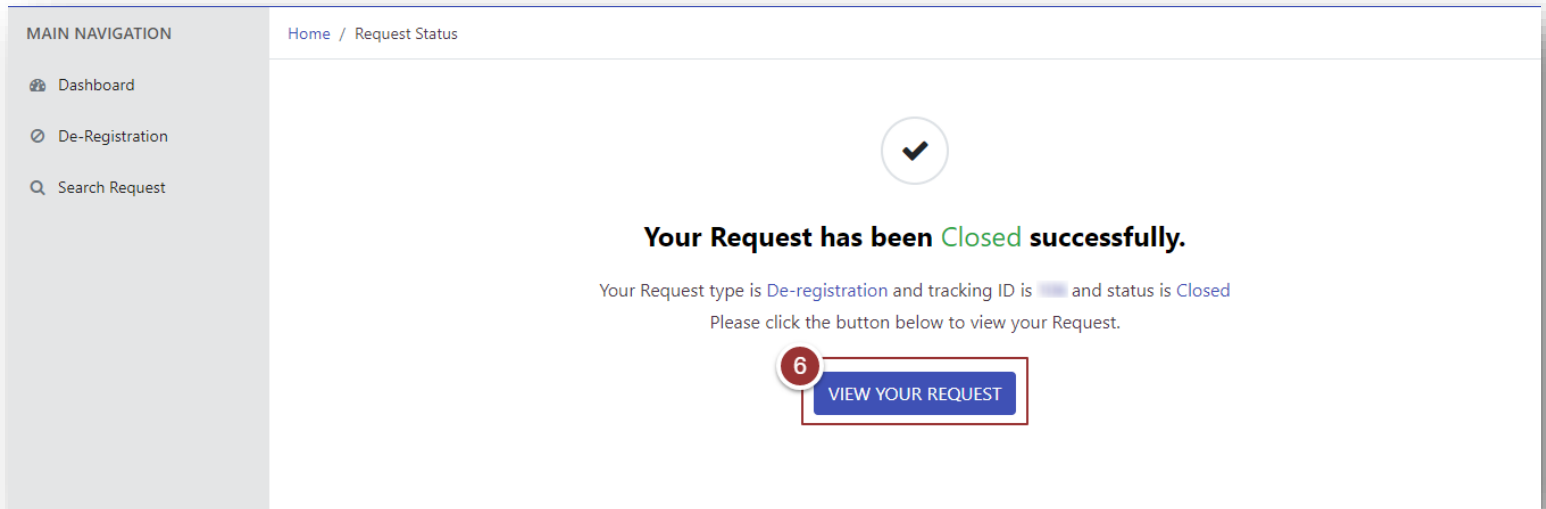


Figure 18 - View Your Request

Search Request

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

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 '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 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.

MAIN NAVIGATION

Dashboard
De-registration
Search request

Home / Search request

Search filters

Request ID

Request status

Device IMEIs

Request ID

Select request status

Type IMEI and press enter

SHOW MORE FILTERS

SEARCH REQUESTS

239 Requests found

Request ID	Request type	Device Count	Created date	Date last updated	Request status	Actions
	De-registration	3	12:30 18/03/2019	12:30 18/03/2019	Awaiting documents	Complete Close
	De-registration	3	12:28 18/03/2019	12:30 18/03/2019	Pending review	Modify View Close
	De-registration	3	12:22 18/03/2019	12:25 18/03/2019	Incomplete	Modify View Close
	De-registration	3	12:22 18/03/2019	12:22 18/03/2019	Closed	View
	De-registration	3	12:17 18/03/2019	12:26 18/03/2019	Pending review	Modify View Close
	De-registration	3	12:16 18/03/2019	12:16 18/03/2019	Closed	View
	De-registration	3	12:07 18/03/2019	12:07 18/03/2019	Closed	View
	De-registration	3	15:21 15/03/2019	15:38 15/03/2019	Closed	View
	De-registration	3	15:19 15/03/2019	15:21 15/03/2019	Awaiting documents	Complete Close
	De-registration	3	15:18 15/03/2019	12:04 18/03/2019	Closed	View

Showing 1 to 10 of 239 requests

Show 10 Requests

1 2 3 4 5 6 7 8 9 10

Figure 20 - Action Tab(s)

4. To view request, click on “View” link.

Home / Search request

Search filters

Request ID: Request status: Device IMEIs:

[SHOW MORE FILTERS](#) [SEARCH REQUESTS](#)

240 Requests found

Request ID	Request type	Device Count	Created date	Date last updated	Request status	Actions
██████	De-registration	1	18:31 12/03/2019	18:31 12/03/2019	Closed	View
██████	De-registration	3	15:47 12/03/2019	14:58 13/03/2019	Approved	View
██████	De-registration	3	15:17 12/03/2019	15:07 13/03/2019	In Review	View
██████	De-registration	3	14:49 12/03/2019	15:48 12/03/2019	Approved	View
██████	De-registration	3	14:47 12/03/2019	15:09 13/03/2019	Rejected	View
██████	De-registration	3	11:41 12/03/2019	11:46 12/03/2019	Closed	View
██████	De-registration	3	19:28 11/03/2019	18:01 12/03/2019	In Review	View
██████	De-registration	3	18:13 11/03/2019	18:17 11/03/2019	In Review	View
██████	De-registration	3	17:07 11/03/2019	16:09 14/03/2019	Rejected	View
██████	De-registration	3	15:35 11/03/2019	12:11 18/03/2019	Incomplete	Modify View Close

Showing 21 to 30 of 240 requests

Show Requests

« (1 2 **3** 4 5 6 7 8 9 10) »

Figure 21 - View Request (i)

A page will appear displaying basic deregistration details of device.

Home / View request

Request ID: [redacted] Request type: De-registration Status: In Review

Basic De-registration details

Device Count	1
File	Click here to view this file
Reason	sse

Basic De-registration details

Device model description

Approval documents

Report [DOWNLOAD REPORT](#)

Remarks

drs auth user ddsd 08/03/2019 11:17:3 am

[NEXT](#)

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.

MAIN NAVIGATION

- Dashboard
- De-registration
- Search request

Home / View request

Request ID: [redacted] Request type: De-registration Status: **Closed**

Basic De-registration details

Device Count	1
File	Click here to view this file
Reason	sse

Report

Remarks

- drs auth user ddsd 08/03/2019 11:17:3 am
- drs auth user dz 08/03/2019 09:44:32 pm

5 DOWNLOAD REPORT

6 NEXT

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.

The screenshot shows a web application interface for searching requests. On the left is a 'MAIN NAVIGATION' sidebar with links for 'Dashboard' and 'De-registration'. The 'Search request' link is highlighted with a red box and a red circle containing the number 1. The main content area has a breadcrumb 'Home / Search request'. Below this is a 'Search filters' section, outlined with a red box and a red circle containing the number 2. This section contains three input fields: 'Request ID' (with placeholder text 'Request ID'), 'Request status' (a dropdown menu with 'Select request status'), and 'Device IMEIs' (with placeholder text 'Type IMEI and press enter'). Below these fields are two buttons: 'SHOW MORE FILTERS' and 'SEARCH REQUESTS'. The 'SEARCH REQUESTS' button is highlighted with a red box and a red circle containing the number 3.

Figure 24 - Search Filter (i)

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

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 two active filter tags: 'Request ID: 4563' and 'Request status: Closed', each with a red 'x' to remove it. A 'Clear all' link is in the top right of the filter section. Below the tags are three input fields: 'Request ID' with the value '4563', 'Request status' with a dropdown menu showing 'Closed', and 'Device IMEI' with a placeholder 'Type IMEI and press enter'. To the right of these fields are two buttons: 'SHOW MORE FILTERS' and 'SEARCH REQUESTS'. Below the filter section, a message states '1 Request found'. At the bottom is a table with the following data:

Request ID	Request type	Device Count	Created date	Date last updated	Request status	Actions
4563	De-registration	1	11:15 08/03/2019	15:49 11/03/2019	Closed	View

Figure 25 - Search Filter (ii)