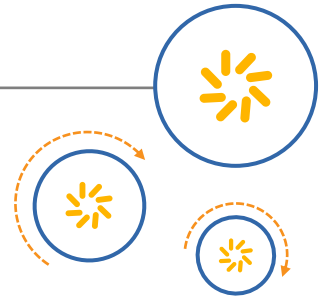




Qualcomm Technologies, Inc.



Device Registration Subsystem 1.0.0

User Guide (Importer)

DRS-User-Guide-Importer-1.0.0

June 19, 2018

Revision history

Revision	Date	Description
A		Initial 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) and importer(s) to request for device registration.

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.

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	11.0
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
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 authenticate user from the IAM and redirects user to DRS
Dashboard Screen	<p>The dashboard screen displays the instruction for the user (individual and importer) which has following sections</p> <ul style="list-style-type: none"> Header Header section displays the name of the system, name of the logged in user with logout functionality 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
Device Registration	<ul style="list-style-type: none"> Facilitate user to register their device(s) by completing following three steps <ul style="list-style-type: none"> Basic Registration Details Device Model Description Approval Documents

Feature/Sections	Explanation
Required Input(s) for Basic Registration	<ul style="list-style-type: none"> • Device Count Takes the total number of devices as input • Number of IMEIs per Device Takes total number of IMEIs that entered for per 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)
Required Inputs for Device Model description	<ul style="list-style-type: none"> • Brand Takes brand name of the device as input. Enter the brand name of the device to be registered • Model Name Takes the Model name of the device as input. Enter model name of the 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 the type (i.e. smart phone, tablet, dongle, router, Feature phone etc.) of the device from the drop-down menu • Operating System Takes the operating system (i.e. android, IOS) of the device as input. Enter the operating system of the device to be registered • Radio Access Technology Allows user to select the radio based technologies i.e. 2G, 3G, 4G that your device supports

Feature/Sections	Explanation
Approval Documents	<ul style="list-style-type: none"> • Takes three types of document of the device as input <ul style="list-style-type: none"> • 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, number of IMEIs per device, manufacturing location
Request Status	<ul style="list-style-type: none"> • New Request Add/Verify the details of the device model • Awaiting Documents Request is still awaited for approval documents to upload • Pending Review Request is not yet assigned to any authorized entity • In Review Request has 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. 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 of the system

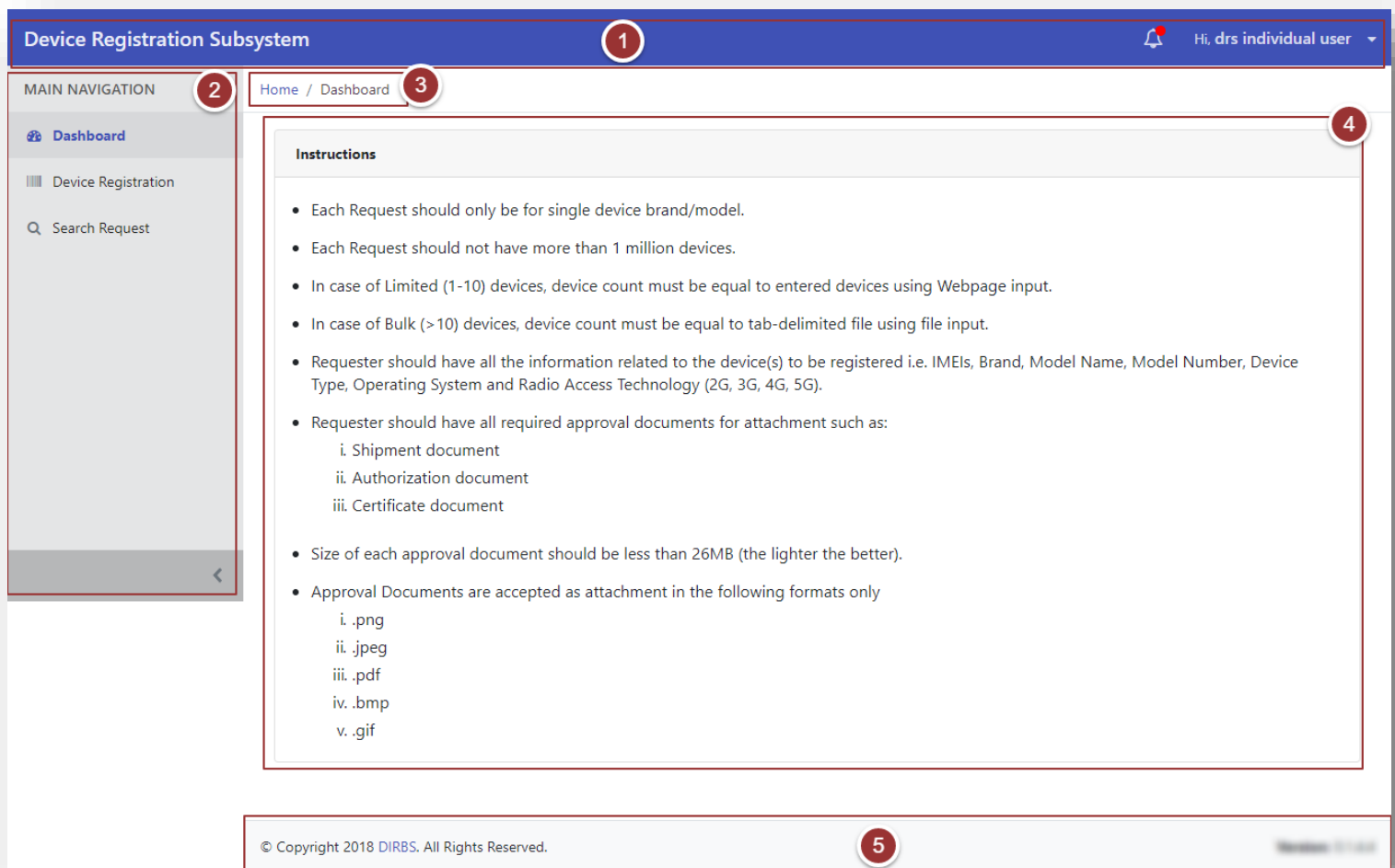


Figure 2-Dashboard Screen

3.3. Device Registration

1. Click on the “Device Registration” tab under the “Main Navigation” heading
2. Enter the basic registration details (i.e. Device Count, Number of IMEs per Device, Device IMEs and Manufacturing location)

Note: All the field(s) are mandatory.

MAIN NAVIGATION

Dashboard

Device Registration

Search Request

Home / Device Registration

Basic registration details

Device Count *
Device Count

Number of IMEs per Device *
Number of IMEs per Device

Device IME(s) *
Please enter Device count

Manufacturing Location *
Select Manufacturing Location

NEXT

Basic registration details

Device model description

Approval documents

Sample IMEI File
DOWNLOAD FILE

Webpage input: You can add upto 10 devices with 5 IMEs per device.

Tab-delimited file: You can add upto 1,000,000 devices with 5 IMEs per device.

Figure 3-Device Registration

3. Click on the “Add Device” Button

The screenshot displays the 'Device Registration' interface. On the left, a 'MAIN NAVIGATION' sidebar includes 'Dashboard' and 'Device Registration' (highlighted). The main content area is titled 'Home / Device Registration'. It features a 'Basic registration details' form with fields for 'Device Count' (set to 1), 'Number of IMEIs per Device' (set to 1), 'Device IMEI(s)' (set to 'Webpage input'), and 'Manufacturing Location' (set to 'Local'). Below these fields is a 'Devices List' table. A red box highlights the 'ADD DEVICE' button, which is also marked with a red circle containing the number 3. To the right of the form, there are sections for 'Basic registration details' (with sub-sections for 'Device model description' and 'Approval documents'), a 'Sample IMEI File' download link, and two informational boxes: 'Webpage input: You can add upto 10 devices with 5 IMEIs per device.' and 'Tab-delimited file: You can add upto 1,000,000 devices with 5 IMEIs per device.' A 'NEXT' button is located at the bottom right of the form area.

Figure 4-Add Device

4. Now, Type and re-type the IMEI in the respective fields
5. Click on the “Next” Button

Home / Device Registration

MAIN NAVIGATION

- Dashboard
- Device Registration**
- Search Request

Basic registration details

Device Count * 1

Number of IMEIs per Device * 1

Device IMEI(s) * ☒ Webpage input

Manufacturing Location * Local

Devices List

Device #	IMEI #	Type IMEI	Retype IMEI	DELETE
1	IMEI # 1	Type IMEI 1	Retype IMEI 1	

Basic registration details

Device model description

Approval documents

Sample IMEI File [DOWNLOAD FILE](#)

Webpage input: You can add upto 10 devices with 5 IMEIs per device.

Tab-delimited file: You can add upto 1,000,000 devices with 5 IMEIs per device.

NEXT

Figure 5-Type IMEI

After clicking on the “Next” button, it will redirect to a page where user enters the device model description.

6. Enter the device model description i.e. Brand Name, Model Name, Model Number, Device Type, Operating System, and Radio Access Technology in the respective field(s)
7. To view the previous entered details i.e. Basic Registration Details, click on the “Previous Details” tab
8. Click on the “Next” button

The screenshot displays the 'Device Registration' page. On the left is a 'MAIN NAVIGATION' sidebar with links to 'Dashboard' and 'Device Registration'. The main content area shows a breadcrumb 'Home / Device Registration' and a header 'Request ID: 80 Request Type: Registration'. Below this is a 'Device model description' form with the following fields:

- Brand * (text input)
- Model Name * (text input)
- Model Number * (text input)
- Device type * (dropdown menu with 'Select Device type' text)
- Operating System * (text input)
- Radio Access Technology: * (checkboxes for 2G, 3G, 4G, 5G)

To the right of the form is a sidebar with three tabs: 'Basic registration details' (checked), 'Device model description' (active), and 'Approval documents'. At the bottom right of the form is a blue 'NEXT' button. Red callout boxes with numbers 6, 7, and 8 highlight the form, the 'Previous Details' tab, and the 'NEXT' button respectively.

Figure 6-Device Model Description

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

9. 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.

10. To view the previous entered details i.e. Basic Registration Details and Device Model Description, click on the “Previous Details” tab
11. Click on the “Submit” Button

Home / Device Registration

Request ID: 80 Request Type: Registration

Status: Awaiting Documents [Previous Details](#)

Approval Documents

Shipment document * change 111111.jpg ✕

Authorization document * logo1.png ✕

Certificate document * Screenshot_201...00017 (1).png ✕

Figure 7-Approval Documents

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

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

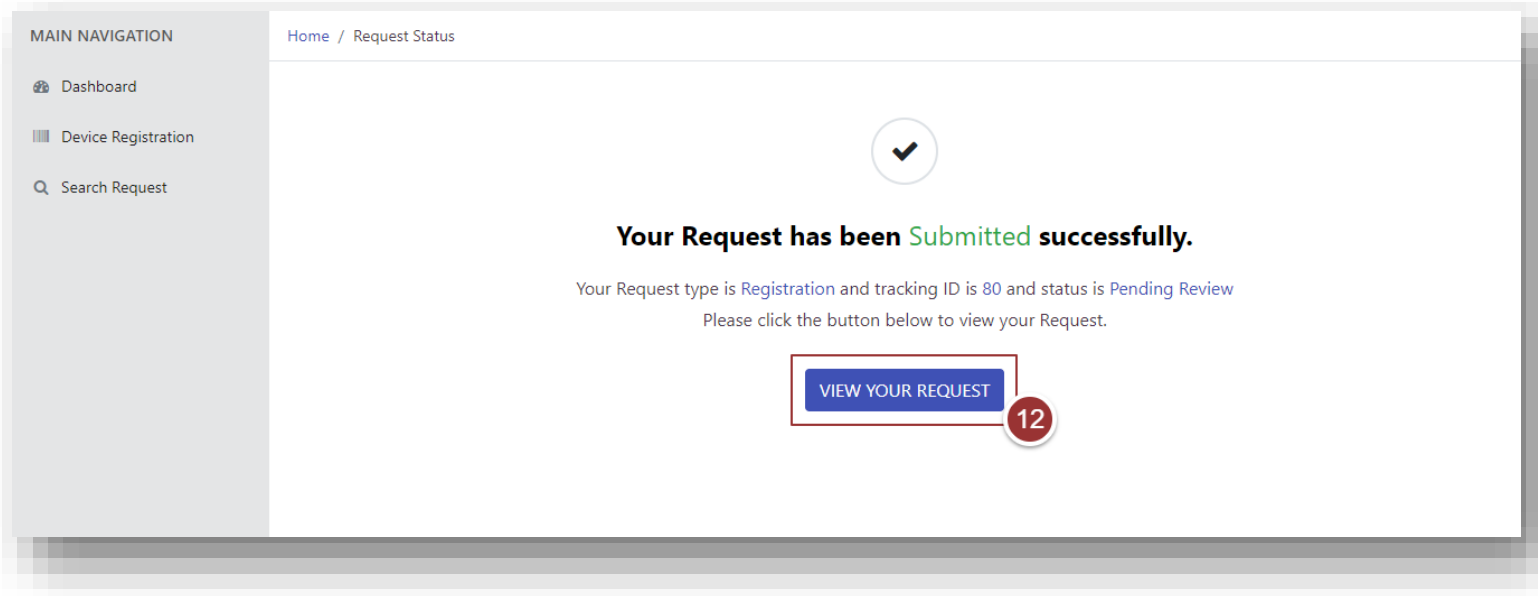


Figure 8-Request Status

3.4. Search Request

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

The screenshot displays the 'Search Request' interface. On the left, the 'MAIN NAVIGATION' sidebar includes 'Dashboard' and 'Device Registration', with 'Search Request' highlighted and marked with a red circle and 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 showing 'Select Request status'), and 'Device IMEIs' (a text input 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 circle and the number 2.

Figure 9- 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 (Complete, Modify, and Close)

The screenshot shows the 'Search Request' page. On the left is a 'MAIN NAVIGATION' sidebar with links to 'Dashboard', 'Device Registration', and 'Search Request' (which is highlighted). The main content area has a breadcrumb 'Home / Search Request' and a 'Search Filters' section with input fields for 'Request ID', 'Request Status' (a dropdown), and 'Device IMEIs'. Below the filters are buttons for 'CLEAR SEARCH', 'SHOW MORE FILTERS', and 'SEARCH REQUESTS'. A message states '58 Requests found'. Below this is a table with 7 columns: Request ID, Request Type, Device Count, Date Created, Date Last Updated, Request Status, and Actions. The table contains 12 rows of data. A red circle with the number 3 highlights the 'Complete | Close' link in the 'Actions' column for the row with Request ID 265.

Request ID	Request Type	Device Count	Date Created	Date Last Updated	Request Status	Actions
247	Registration	20	2018-10-16 05:24:15	2018-10-16 10:41:54	In Review	View
265	Registration	1	2018-10-16 09:56:46	2018-10-16 09:56:46	New Request	Complete Close
264	Registration	11	2018-10-16 09:24:54	2018-10-16 09:30:50	Approved	View
263	Registration	11	2018-10-16 09:23:48	2018-10-16 09:29:06	Approved	View
45	Registration	1	2018-10-12 11:21:10	2018-10-16 09:22:23	Approved	View
260	Registration	1	2018-10-16 08:43:05	2018-10-16 08:45:29	Awaiting Documents	Complete Close
3	Registration	1	2018-10-12 09:39:54	2018-10-16 07:56:57	Closed	View
251	Registration	1000	2018-10-16 05:53:45	2018-10-16 05:57:40	Approved	View
250	Registration	1	2018-10-16 05:45:51	2018-10-16 05:48:09	Awaiting Documents	Complete Close
248	Registration	20	2018-10-16 05:40:55	2018-10-16 05:43:08	Pending Review	Modify View Close

At the bottom right of the table, there is a pagination control showing a sequence of numbers from 1 to 6, with '1' currently selected.

Figure 10-Action Tab(s)

4. To search particular requests 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 within a web application. On the left is a 'MAIN NAVIGATION' sidebar with links to 'Dashboard', 'Device Registration', and 'Search Request' (which is highlighted). The main content area has a breadcrumb 'Home / Search Request'. Below this is a 'Search Filters' section, indicated by a red circle with the number '4'. 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' (a text input with placeholder text '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 blue button labeled 'SEARCH REQUESTS', which is highlighted with a red circle and the number '5'.

Figure 11-Search Filters