



# IMEI Database

## Manufacturer / Brand Owner User Guide

**Version 4.0**

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## **Introduction**

The GSMA has made technical improvements to the GSMA IMEI database, which will enable it to more efficiently allocate the finite number of codes in the current numbering convention. Demand for TAC codes will increase with the proliferation of embedded mobile chipsets in non- telecommunication devices and products, and this increased demand and need for improvements will directly impact the ability of the GSMA and its allocation partners to keep up with supply in the future.

The GSMA is also taking this opportunity to begin addressing the issue of fake and counterfeit IMEI numbers in the market, which is known to be a serious concern for all legitimate device manufacturers. As part of the new allocation process, the credentials of each TAC applicant will be certified by the appropriate Reporting Body, depending on region of operation and allocation. This has been considered a “best practice” to date, but now becomes a requirement, and will serve to reduce the number of semi-legitimate producers of counterfeit devices that obtain TAC allocations.

Further, in order to maintain the current level of activity, address future demand and further develop the services offered, the GSMA will now charge device manufacturers to manage the TAC allocation service. This approach will allow the GSMA to minimize the administrative burden and to optimize the use of available number ranges.

This IMEI Database New Process User Guide provides complete information on the new process through which manufacturers purchase and apply for TAC.

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# 1. MANUFACTURER REGISTRATION

Manufacturers and Brand Owners must register in the IMEI Database to apply for TAC codes.

The brand owner that markets the device under its name should register in the IMEI Database and apply for the TAC Code. It is important to note the TAC certificate will be provided under the name of the organization applying for the TAC code.

Follow the step-by-step guide below to register for an IMEI Database account:

- a. To get started, enter the IMEI Database URL <https://imeidb.gsma.com> in your web browser
- b. Click Register under the Manufacturer/Brand Owner section to start the registration process

The screenshot shows the IMEI Database website interface. At the top, there is a navigation bar with links for "TAC Allocation Codes", "TAC Equipment Types", "FAQs", and "Contact". The main header features the GSMA logo and the text "IMEI DATABASE" on the left, and a red bar with "简体中文" on the right. Below the header, there is a paragraph explaining the IMEI Database and its purpose. To the right, there is a "LOGIN" section with input fields for "User Id" and "Password", a "LOGIN" button, and a "Forgot Password?" link. Below the login section, there are three registration categories: "Manufacturer/Brand Owner", "Mobile Network Operator (MNO)", and "Other". Each category has a brief description and a "REGISTER" button. A red callout box on the left points to the "REGISTER" button in the "Manufacturer/Brand Owner" section, with the text: "Click the register button in the Manufacturer/Brand Owner section to Register".

Figure 1

## 1. Registration Form

The registration form as shown below will be displayed. The manufacturer should enter the organization name and address, trademark brand name of the device to be manufactured, the registration number or the certificate number of the brand name that was registered in the manufacturer country should be provided.

Provide the main contact and the second contact person details for the organization. The main contact person should be the primary contact of the organization. The second contact person may be a supporting person in the organization or in some cases acting as an agent by submitting TAC applications on behalf of the manufacturer/brand owner. The main contact will be notified of any activity within the IMEI Database.

Read the TS06 document carefully on the instructions relating to TAC Allocation process and TAC codes. The link to TS.06 document is provided in the registration form (Refer Figure 2).

The manufacturer/brand owner should read the Terms and Conditions carefully and accept the Terms and Conditions for the registration. In the case of manufacturer / brand owner rejecting the Terms and Conditions, the registration form will not be accepted. (Refer Figure 2)

Once the form is complete, click submit to complete the registration.

If there are any errors with the information provided, the system will alert you and allow you to make revisions. Resolve any issues and click submit.

On successful completion of the registration, you will receive an e-mail confirmation. The registration details will be forwarded to the reporting body for review and approval. You may be requested to provide additional documents relating to your organization and device brand. Should additional documents be required they will be submitted offline to the reporting body. The email id of the reporting body will be sent along with the confirmation email sent after registration. You can refer the TS.06 document to know the reporting body for your organization and the contact details.

On successful review by the reporting body, the organization registration will be approved. An organization Id will be provided for the organization. The organization ID along with the system generated password will be sent as an email to the main contact of the organization. The organization ID and the password are the authorization for the users of the organization to login and access the IMEI Database to apply for TAC codes.

The reporting body may reject the registration if they find the registration is invalid.

**Manufacturer Registration Form**

Company Name\*  **Note:** Only one company name is allowed per registration form.

The Registered Head Office Address:\*

Office Phone Number\*  Country Code   **Note:** To be completed in an international format. This should be the office main switch board phone number.

Company Registration Number\*  **Note:** This is number obtained from your local authority when you first registered your company. A copy of this registration certificate may be requested by the RB.

Company Website

ISO 9000 Certificate Allocation Body  **Note:** The organisation issuing your ISO9000 certificate.

ISO 9000 Certificate Number

Do you manufacture & sell devices under your own brand name?\*

Do you manufacture devices which are sold under other companies brand names?\*

Do you sell device under your band name, which are made by other manufacturers?\*

Company Registered Brand Name & Brand Name certificate number\*     **Note:** A copy of the brand registration certificate must be sent to the RB when requested.

My company is a GSMA Member\*  **Note:** The GSMA offers a 10% discount to GSMA members. Eligibility will be confirmed by the RB.

Are you aware of GSMA IMEI Allocation and Approval Process ([TS06](#))?\*

**Main Contact Details**

The Applicant is assumed to be the Main Contact for your organisation, in relation to IMEI allocations. This person shall be included in all application communications, even if these are submitted by another individual

**Note:** This person will be contacted to approve any changes to the second contacts details.

Name\*

Job Title\*

Mobile Phone Number\*  **Note:** To be completed in an international format. This should be the main contact's own phone number. Example: USA: 12481234567, UK: 448489123456,

Email\*

**Second Contact Details**

Name\*

Job Title\*

Mobile Phone Number\*  **Note:** To be completed in an international format. This should be the contact's own phone number. Example: USA: 12481234567, UK: 448489123456, China: 861069445464

Email\*

**Additional Information**

Comments\*

I Accept, [Terms And Conditions](#)\*

**Note:** \* Mandatory Field.

The TS.06 TAC Allocation and Approval document can be downloaded here

Up to 3 trademark brand name can be added. The brand registered certificate number has to be provided

Read and accept the Terms and Conditions before submitting the registration form

Figure 2 Manufacturer Registration Form

## 2. MANUFACTURER RE-REGISTRATION RE-CONFIRMATION

Each year on the date of initial registration, the manufacturer / brand owner should re-confirm the details provided at the time of registration or at the time of the previous re-confirmation. This process is termed as Re-Registration Re-Confirmation.

On the first log in by the manufacturer every year on the anniversary date of registration, the system will automatically block access to the IMEI DB functions and will display the re-confirmation form only as shown in Figure 3 below.

The Re-Registration Re-Confirmation form is a non-editable form, meaning, the manufacturer will not be able to make any changes to the details displayed.

The manufacturer can only select yes if there is change to,

- i. the organization details such as address and contact numbers,
- ii. the main contact or the second contact person,
- iii. the GSMA membership status

Select No if there is no change to any of the above

Once the right options are selected, click submit. The Re-Confirmation form will be sent to the reporting body for review and approval. If the manufacturer had selected yes for the above options, the updated details of the organization and the contact persons should be sent to the reporting body offline.

The reporting body will review the information, update the details as requested by the manufacturer and approve.

On approval by the reporting body, an email will be sent to the main contact of the organization. The access to the functions within the IMEI Database will be enabled.

The Re-Registration Re-Confirmation is an important process in the IMEI Database to help keep the information about the manufacturer/brand owner details up-to-date.

### Manufacturer Re-Registration Re-Confirmation Form

**Company Name\***  **Note:** Only one company name is allowed per registration form.

**The Registered Head Office Address:\***

**Is This your company Registered Head Office address?\***  Yes  No **Note:** Select the country where your head office is located from the drop down list.

**Country\***

**Office Phone Number\***  **Note:** To be completed in an international format. This should be the office main switch board phone number.

**Company Registration Number\***  **Note:** This is number obtained from your local authority when you first registered your company. A copy of this registration certificate may be requested by the RB.

**Company Website**

**ISO 9000 Certificate Allocation Body**  **Note:** The organisation issuing your ISO9000 certificate.

**ISO 9000 Certificate Number**

**Do you manufacture & sell devices under your own brand name?\***

**Do you manufacture devices which are sold under other companies brand names?\***

**Do you sell device under your brand name, which are made by other manufacturers?\***

**Company Registered Brand Name & Brand Name certificate number \***

**My company is a GSMA Member\***  **Note:** The GSMA offers a 10% discount to GSMA members. Eligibility will be confirmed by the RB.

**Are you aware of GSMA IMEI Allocation and Approval Process(1506)?\***

**Main Contact Details**

The Applicant is assumed to be the Main Contact for your organisation, in relation to IMEI allocations. This person shall be included in all application communications, even if these are submitted by another individual

**Note:** This person will be contacted to approve any changes to the second contacts details.

**Name\***

**Job Title\***

**Mobile Phone Number\***  **Note:** To be completed in an international format. This should be the main contact's own phone number. Examples: USA: 12481234567, UK: 448489123456, China: 861069445464

**Email\***

**Is Main Contact has been Changed?\***  Yes  No

**Second Contact Details**

**Name\***

**Job Title\***

**Mobile Phone Number\***  **Note:** To be completed in an international format. This should be the contact's own phone number. Example: USA: 12481234567, UK: 448489123456, China: 861069445464

**Email\***

**Is Second Contact has been Changed?\***  Yes  No

**Additional Information**

**Comments**

**Note:** \* Mandatory Field.

Select Yes or No if there is a change in the company address

Membership status change can be selected

Select Yes or No if there is a change to the main contact

Select Yes or No if there is a change to the second contact

Figure 3: Manufacturer Re-Registration Re-Confirmation form

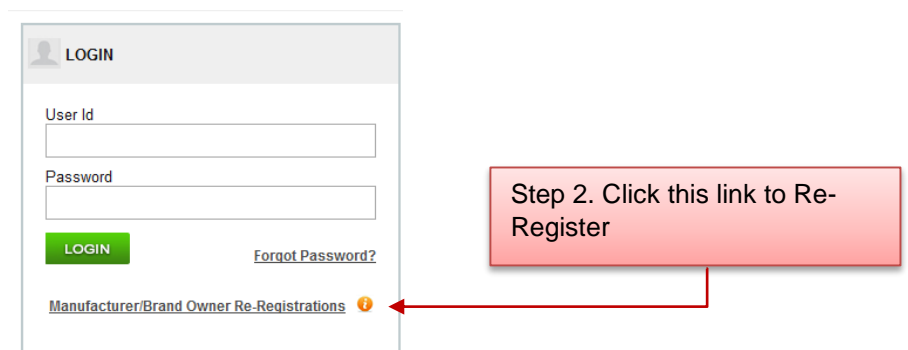


### 3. MANUFACTURER RE-REGISTRATION

The re-registration process is applicable to manufacturers who had registered in the IMEI Database prior to 2009 and were not provided with a login credential within the IMEI Database.

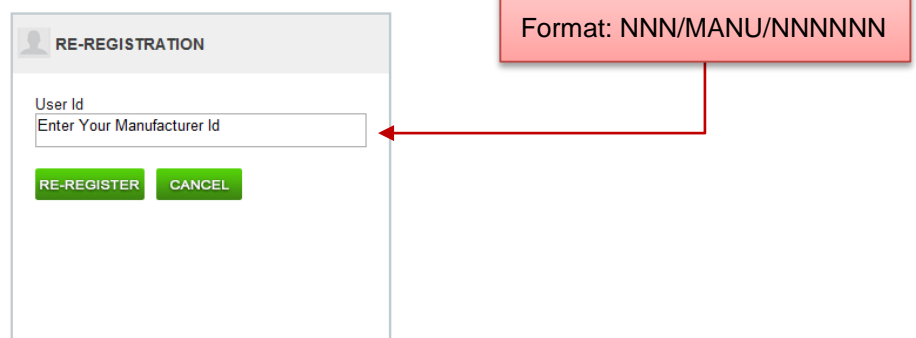
To receive the login credentials the manufacturer/brand owner has to re-register by following the steps below:

1. Enter the URL <https://imeidb.gsma.com> in your web browser
2. Select 'Manufacturer/Brand Owner Re-Registrations' link displayed below the login section
3. The login section would change to display only the user Id
4. Provide the organization ID provided at the time of registration
5. Click 'Re-Register'



The screenshot shows a 'LOGIN' form with two input fields: 'User Id' and 'Password'. Below the fields are a green 'LOGIN' button and a 'Forgot Password?' link. At the bottom of the form, there is a link for 'Manufacturer/Brand Owner Re-Registrations' with a small orange information icon. A red callout box on the right points to this link with the text: 'Step 2. Click this link to Re-Register'.

Figure 4 – Login Section



The screenshot shows a 'RE-REGISTRATION' form with a single 'User Id' input field containing the placeholder text 'Enter Your Manufacturer Id'. Below the field are two green buttons: 'RE-REGISTER' and 'CANCEL'. A red callout box on the right points to the input field with the text: 'Step 4. Enter the organization ID in the User Id input. Format: NNN/MANU/NNNNNN'.

Figure 5 – Input Organization Id to Re-Register

6. The Re-Registration form shown below will be displayed

**Manufacturer Registration Form**

Company Name\*  **Note:** Only one company name is allowed per registration form.

The Registered Head Office Address:\*   
  
  
  
  
  
Select

Office Phone Number\*  Country Code  **Note:** To be completed in an international format. This should be the office main switch board phone number.

Company Registration Number\*  **Note:** This is number obtained from your local authority when you first registered your company. A copy of this registration certificate may be requested by the RB.

Company Website

ISO 9000 Certificate Allocation Body  **Note:** The organisation issuing your ISO9000 certificate.

ISO 9000 Certificate Number

Do you manufacture & sell devices under your own brand name?\*

Do you manufacture devices which are sold under other companies brand names?\*

Do you sell device under your brand name, which are made by other manufacturers?\*

Company Registered Brand Name & Brand Name certificate number\*  -- Brand Name --  -- Brand Name Certificate Number -- **Note:** A copy of the brand registration certificate must be sent to the RB when requested.

My company is a GSMA Member\*  **Note:** The GSMA offers a 10% discount to GSMA members. Eligibility will be confirmed by the RB.

Are you aware of GSMA IMEI Allocation and Approval Process ([TS06](#))\*?

**Main Contact Details**

The Applicant is assumed to be the Main Contact for your organisation, in relation to IMEI allocations. This person shall be included in all application communications, even if these are submitted by another individual

**Note:** This person will be contacted to approve any changes to the second contacts details.

Name\*  --Title--  -- First Name --  -- Sur Name --

Job Title\*

Mobile Phone Number\*  **Note:** To be completed in an international format. This should be the main contact's own phone number. Example: USA: 12481234567, UK: 448489123456,

Email\*

**Second Contact Details**

Name\*  --Title--  -- First Name --  -- Sur Name --

Job Title\*

Mobile Phone Number\*  **Note:** To be completed in an international format. This should be the contact's own phone number. Example: USA: 12481234567, UK: 448489123456, China: 861069445464

Email\*

**Additional Information**

Comments\*

I Accept, [Terms And Conditions](#)\*

**Note:** \* Mandatory Field.

The TS.06 TAC Allocation and Approval document can be downloaded here

Up to 3 trademark brand name can be added. The brand registered certificate number has to be provided

Read and accept the Terms and Conditions before submitting the registration form

Figure 6 Manufacturer Re-Registration Form

The manufacturer should enter the organization details, trademark brand name of the device to be manufactured, the registration number or the certificate number of the brand name that was registered in the manufacturer country should be provided

Enter the main contact details and the second contact details of the organization. The main contact person should be the primary contact for the organization. The second contact person may be a supporting person in the organization or in some cases acting as an agent on behalf of the manufacturer/brand owner. The main contact will be notified of any activity within the IMEI Database.

Read the TS06 document carefully on the instructions relating to TAC Allocation process and TAC codes. The link to TS.06 document is provided in the registration form (Refer Figure 6).

The manufacturer/brand owner should read the Terms and Conditions carefully and accept the Terms and Conditions for the registration. In the case of manufacturer / brand owner rejecting the Terms and Conditions, the registration form will not be accepted. (Refer Figure 6).

Once the form is complete, click submit to submit the registration.

If there are any errors with the information provided, the system will alert you and allow you to make revisions. Resolve any issues and click submit.

On successful completion of the registration, you will receive an e-mail confirmation. The registration details will be forwarded to the reporting body for review and approval. You may be requested to provide additional documents relating your organization and device brand. Should additional documents be required, the documents will be submitted offline to the reporting body. Refer the TS.06 document to know the reporting body for your organization and the contact details.

On successful review by the reporting body, the organization registration will be approved. The organization ID along with the system generated password will be sent as an email to the main contact of the organization. The organization ID and the password are the credentials for the users of the organization to login and access the IMEI Database to apply for TAC codes.

The reporting body may reject the registration if they find the registration is invalid.

## 4. LOGIN

To login to the IMEI Database, enter the organization ID and the password provided at the time of registration. The credentials are common for all users of the organizations. The manufacturer can share their login credentials to the trusted contacts of the agencies who apply for TACs on behalf of the organization.

The screenshot shows the IMEI Database login interface. At the top left is the GSMA logo and the text 'IMEI DATABASE'. To the right, there are links for 'TAC Allocation Codes' and 'TAC Equ...'. A red box highlights the registration ID and password fields in the login form, with a callout box stating 'Enter the organization ID and the password provided during the registration'. Below the login form are three registration categories: Manufacturer/Brand Owner, Mobile Network Operator (MNO), and Other, each with a 'REGISTER' button.

**Manufacturer/Brand Owner**  
The brand owner is required to register with the GSMA before submitting an application for a Type Allocation Code.  
[REGISTER](#)

**Mobile Network Operator (MNO)**  
3GPP Mobile Network Operators are provided special access to the IMEI DB. To obtain a login, you must first register your company with the GSMA.  
[REGISTER](#)

**Other**  
Law enforcement and regulatory agencies, equipment recyclers, repair companies, device insurance agencies and other industry affiliates are allowed limited access to the IMEI DB. Please apply here.  
[REGISTER](#)

Figure 7: Login

If the user id and password does not match the details available in the database, the system will display an error 'Invalid Username / Password'.

On successful authentication, the system will log in to the IMEI Database and the welcome page will be displayed. The welcome page for the manufacturer will display the total number of TAC Credits purchased by the manufacturer and the total number of credits used / TACs allocated by the manufacturer.

The information will not be displayed if there are no TAC credits or TACs allocated for the manufacturer.

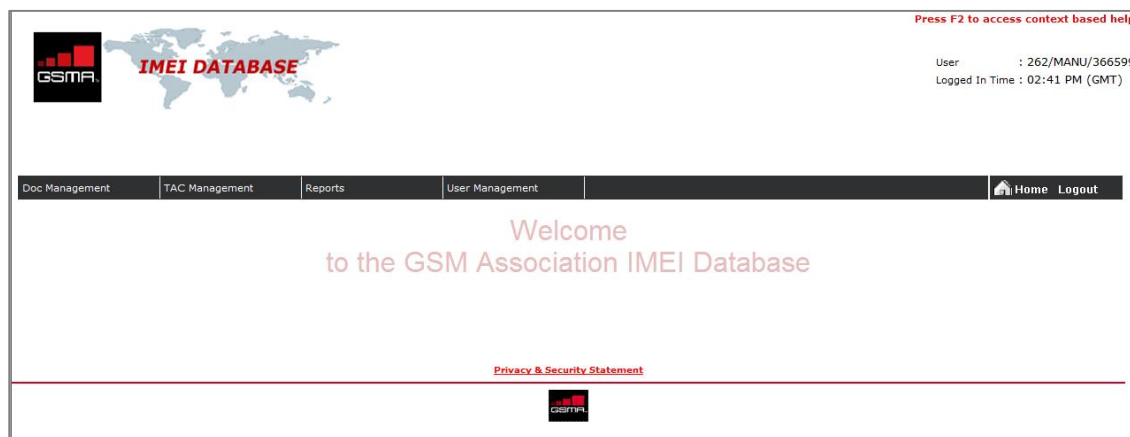
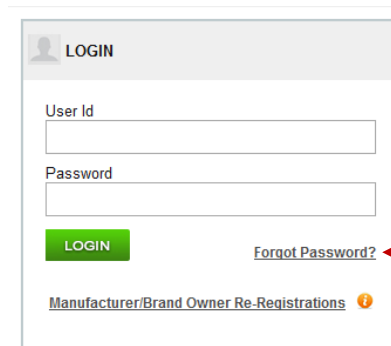


Figure 8 – Welcome Page

## 1. Forgot Password

If a password is forgotten or lost, it can be retrieved by selecting the Forgot Password option from the login screen. The organization Id for the account is required to begin the password retrieval process.

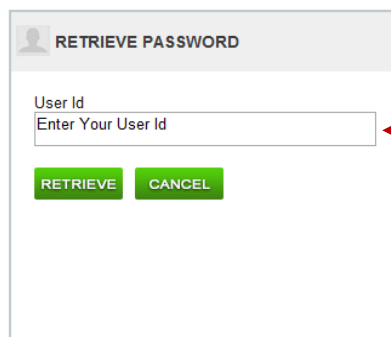
1. Go to IMEI Database home page
2. Click on Forgot Password link displayed below the login form
3. The system would change the display to enter organization ID.
4. Provide the organization ID in the 'User ID' field
5. Click 'Retrieve'.



The screenshot shows a login form titled 'LOGIN'. It contains two input fields: 'User Id' and 'Password'. Below the 'Password' field is a green 'LOGIN' button. To the right of the 'LOGIN' button is a blue link labeled 'Forgot Password?'. At the bottom of the form, there is a link for 'Manufacturer/Brand Owner Re-Registrations' with a small orange icon.

Step 2. Click on this link to retrieve password

Figure 9: Forgot Password



The screenshot shows a form titled 'RETRIEVE PASSWORD'. It features a single input field labeled 'User Id' with the placeholder text 'Enter Your User Id'. Below the input field are two green buttons: 'RETRIEVE' and 'CANCEL'.

Step 4. Enter the organization ID in the User Id input.  
Format: NNN/MANU/NNNNNN

Figure 10: Retrieve Password

Once the user submits the information, the system verifies the details and sends the password to the registered email id of the main contact.

Click Cancel the password retrieval form will be closed and the login screen will be displayed.

## 2. Change Password

On the first login after the registration, the user will be prompted to change the system generated password provided at the time of registration.

Only after the change of password will the system allow access to other functions.

The user can also change the password anytime using the menu 'User Management > Change IA Password'. The screen below will be displayed

1. The organization Id will be displayed. This is not editable.
2. Enter the current password
3. Enter the new password
4. Enter the new password again in the Confirm Password field
5. Click Submit.

The new password should follow the IMEI Database password rules mentioned on the right in red. (See Figure 11)

**Change Password**

User Name

Current Password \*

New Password \*

Confirm Password \*

Minimum password length is eight characters. You must include both alpha and numeric characters. Special characters or three or more repeated characters are not allowed. Password is case sensitive

Note: \* Mandatory Field.

Figure 11: Change Password

Once the password is changed the user will receive an email confirming the same.

The password will be valid for a period of 90 days. After 90 days the password will expire and the user is required to change the password after login.

## 5. BUY TAC

To apply for a TAC code the manufacturer / brand owner should have TAC credits in their IMEI Database account. TAC Credits can be purchased following the step by step guide below:

- a. Login to the IMEI Database account
- b. Go to menu 'TAC Management > Buy TAC'
- c. The screen as shown in figure 12 will be displayed

**TAC Credit Purchase**

Purchase Quantity :

Price Per Quantity \$ :

Purchase Value \$ :

Invoice Value \$ :

PO Number :

Mr. Bala Chandrudu  
imeihelpdesk@gmail.com

**Celkon Impex Private Limited**  
G-16 Swarnajayant, Complex Beside Maitri  
Vanam Ameerpet, India

If you have a PO number from your organisation you can input here for future reference.

**Pay Offline** **Pay Online**

Figure 12: Buy TAC

- d. Provide the number of TAC Credits required in the Purchase Quantity field
- e. The price per quantity is US \$400. The purchase value is calculated based on the TAC purchase quantity and price per quantity.
- f. GSMA members are eligible for a membership discount of 10%. The price per TAC credit for a GSMA member is US\$ 360.
- g. The total amount will be calculated by deducting the discount from the purchase value. The total amount will be displayed in the 'Invoice Value' field

The manufacturer can buy TAC credits either by

- a. Offline Payment, or
- b. Online Payment

If the manufacturer choose to pay by online, the TAC credits will be added to the manufacturer account immediately on successful processing of the credit card transaction.

The offline payment process may delay providing the TAC credit by 4-5 days depending on the date of payment, the information provided in the receipt shared with GSMA accounts, and the remittance period from manufacturer bank to GSMA bank.

The step by step guide to buy TAC using either of the methods is provided below



## 1. Select Pay Online

The online payment currently supports payment through credit card only.

On filling the Buy TAC form with the required TAC quantity, select 'Pay Online'. The manufacturer will be redirected to the secure trading page. The secure trading is the integrated payment processing gateway for payments to IMEI Database TAC credits. The screen as shown below will be displayed.

**secure trading**  
A UC GROUP COMPANY

Please select your payment method

AMERICAN EXPRESS VISA VISA DEBIT VISA ELECTRON VISA purchasing V PAY  
MasterCard MasterCard Debit Maestro

Please make sure that you select the correct payment type.

**Your Order**


Merchant name: GSMA Ltd - gsmavenusgeo  
Amount: \$400.00  
Currency: USD  
Order reference: 201509052

Figure 13: Select Payment Method

This section displays the merchant account which is GSMA and order details

The user should select the payment method. The order page will be displayed as shown in figure 14.

You can change the credit card type by clicking this link



**secure trading**  
A LC GROUP COMPANY

[Click here if you would like to change your payment method](#)

### Your Order

Merchant name: GSMA Ltd - gsmavenusgeo  
 Amount: \$400.00  
 Currency: USD  
 Payment type: Visa  
 Order reference: 201509052

### Billing Details

**Billing**



Title Mr <input type="text"/>	First name Bala <input type="text"/>	Last name Chandrudu <input type="text"/>
House name/no. G-16 Swamajayant <input type="text"/>	Country India <input type="text"/>	
Street Complex Beside Maitri Vanam Ameer <input type="text"/>	Email imeihelpdesk@gmail.com <input type="text"/>	
Town Tirupathi <input type="text"/>	Telephone 9865439448 <input type="text"/>	
County INDIA <input type="text"/>	Telephone type Mobile <input type="text"/>	
Postcode 643212 <input type="text"/>	<input checked="" type="radio"/> This is also my delivery address <input type="radio"/> I have a different delivery address	

Card number \*  
456\*\*\*\*\*568

Expiry date \*  
07  2017

Security code \*  
325

Where is my security code?

\* Indicates a required field

### Delivery Details

**Delivery Address**  
 G-16 Swamajayant  
 Complex Beside Maitri Vanam Ameerpet  
 Tirupathi  
 INDIA  
 643212

[Edit delivery address](#)

Figure 14: Payment Form

The billing details are filled with the organization details registered within IMEI Database. The user can modify the information and provide the credit card billing details.

Enter the Credit Card number, expiry date and the security code.

The secure trading payment is 3D enabled, which means you will be required to provide additional security information like your transaction PIN or password if this is enabled with your bank account.

#### Note:

The credit card information are processed by secure trading which is a PCI compliant website for payment processing. Secure trading follows the rules set for processing online transaction and is secured. The IMEI Database does not store any credit card information provided in the secure trading page. However in the case of any concerns related to transaction, the IMEI Database helpdesk would co-ordinate with the secure trading support to solve any issues.

Refer <https://www.securetrading.com> for more information

If the information provided by the user is invalid, secure trading will display the error as shown in figure 15

The screenshot shows the 'secure trading' payment interface. At the top, there is a red error message: 'There has been a problem with your payment: Please verify your details and try again'. Below this is a link to 'change your payment method'. The form is divided into 'Billing Details' and 'Delivery Details' sections. The 'Billing Details' section includes fields for Title (Mr), First name (Bala), Last name (Chandrudu), House name/no. (G-16 Swarnajayant), Street (Complex Beside Maitri Vanam Ameer), Town (Tirupathi), Country (INDIA), Postcode (643212), Email (imeihelpdesk@gmail.com), Telephone (9865439448), and Telephone type (Mobile). There are also radio buttons for 'This is also my delivery address' and 'I have a different delivery address'. The 'Card number' field contains '45626526266558', the 'Expiry date' is '07/2017', and the 'Security code' is '325'. A 'Pay' button is visible. To the right, the 'Your Order' summary shows Merchant name, Amount: \$400.00, Currency: USD, Payment type, and Order reference. Below that, the 'Delivery Address' is listed as G-16 Swarnajayant, Complex Beside Maitri Vanam Ameerpet, Tirupathi, INDIA, 643212. A red callout box on the right lists three potential issues: 'a. Credit Card number not matching the card type', 'b. Invalid Expiry date', and 'c. Invalid Security Code format'.

Figure 15: Payment Form – Invalid Details

Resolve any issues and re-submit the payment.

On successful payment the user will be displayed the screen as shown in figure 16.

The screenshot shows a 'Successful Message' dialog box. The text inside reads: 'Payment Successful', 'Your payment is successful. A copy of the invoice has been sent to your registered email id.', 'Your payment Reference', 'Invoice Number : TAC\_INVOICE\_201509215', 'Amount Paid : USD 400', and 'Transaction Reference Number : 5-9-2081548'. At the bottom center, there is a red 'OK' button.

Figure 16: Online Payment – Success Message

The system will generate an invoice for the payment and send as an email to the main contact of the organization. The number of TAC credits requested will be added to the manufacturer account.

Click “Ok” to view the manufacturer home page.



Figure 17: Home page

If for some reason the credit card is rejected by the secure trading, the transaction will fail and no invoice will be generated. The screen as shown in figure 18 will be displayed. The user has to Buy TAC once again.

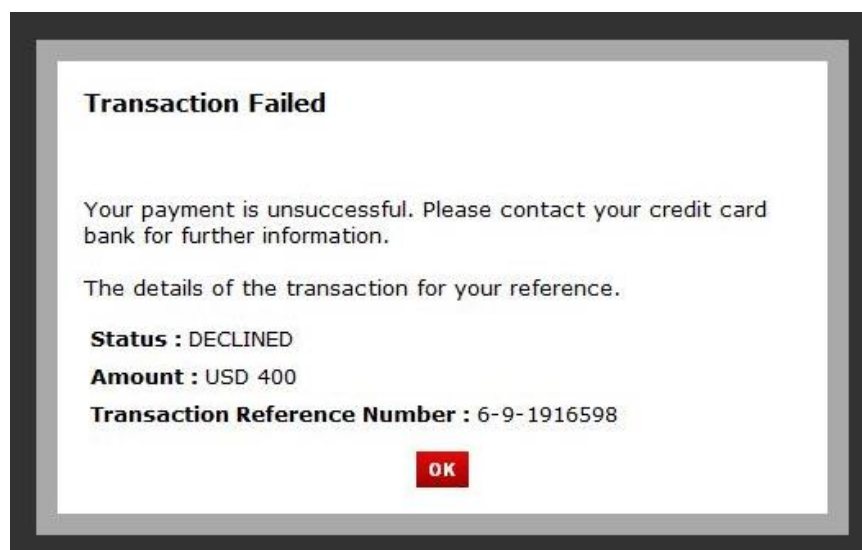


Figure 18: Online Payment Failed

## 2. Select Pay Offline

The user can buy TAC credit by making a payment to GSMA bank account through wire transfer. To pay to the GSMA bank the manufacturer should have an invoice created for the payment within IMEI Database.

To create invoice, fill the Buy TAC form with the TAC quantity required and select 'Pay Offline'. The invoice will be generated and the following message will be displayed to the user.

<p><b>Thank You For Your Purchase!</b></p> <p>Your purchase will be processed and TAC will be released once the payment is made. Payment Due Date : <b>10-Oct-2015</b></p>	<p><b>Mr. Bala Chandrudu</b></p> <p>Celkon Impex Private Limited G-16 Swarnajayant, Complex Beside Maitri Vanam Ameerpet, India</p>	
<b>Your Order Summary</b>		
Invoice Number : TAC_INVOICE_201509102		
<b>Pricing Type</b>	<b>Credits Purchased</b>	<b>Amount</b>
Regular TAC Purchase	1	\$400.00
<b>Total Amount :</b>		<b>\$400.00</b>

Figure 19: Invoice

The invoice will be sent as an email to the main contact of the organization with the details of the bank account to remit payment.

The organization should make the payment within one month from the date of invoice. The GSMA Accounts may cancel the invoice if not paid within the period of one month. The system will send a reminder to the main contact of the organization on the outstanding invoice to be paid.

While making the payment through the bank, the organization should mention the organization name and invoice number. This helps GSMA accounts to identify the payment relating to the invoice.

Upon payment to the bank, the user should forward the receipt of the transaction to GSMA accounts.

On receiving the invoice the GSMA accounts would approve the invoice in the system. This may take 4 to 5 days depending on the time required for the amount to be remitted from the organization bank to GSMA bank.

Once the GSMA Accounts approve the invoice, an email will be sent to the main contact of the organization. The TAC Credits requested will be added to the manufacturer account. To view the TAC credits, select 'Home' displayed on the right in the menu bar

## Financial Year

The financial year is a period within the IMEI Database for the manufacturer / brand owner. The financial year is not the same for every manufacturer / brand owner.

The financial year for a manufacturer starts on the date of the first TAC credit purchase through online payment or the date of invoice approved for an offline payment, whichever comes first.

The Financial year will be for a period of one year. The subsequent financial years will start and end at the same dates as the previous financial year.

The financial year is important in the system to calculate the FREE TAC eligibility and Grandfathered eligibility of a manufacturer account to Buy TACs on discount. These are explained in sections 3, 4 and 5 below.

### 3. FREE TACs

Once the manufacturer / brand owner has purchased TAC credits equaling US\$ 30,000 within a single financial year, they are eligible for FREE TAC.

Once the manufacturer has reached the threshold within the financial year, the Buy TAC form will be displayed as shown in figure 20.

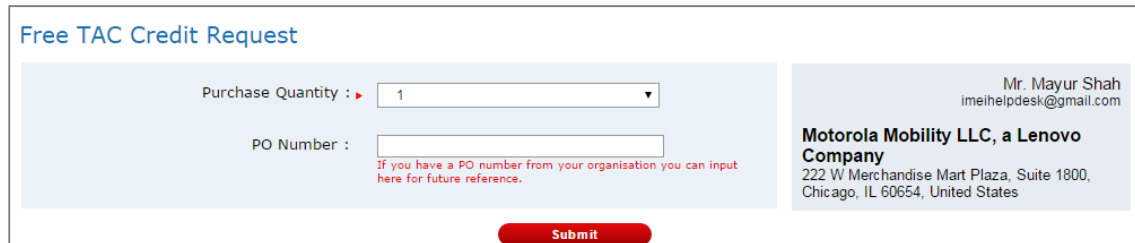


Figure 20: Free TAC form

The manufacturer has to select the number of TAC credits required. The maximum purchase quantity is 10 in a single request. The manufacturer can provide the PO number created for the purchase and click 'Buy'. The FREE TAC request will be sent for the approval of the GSMA Accounts.

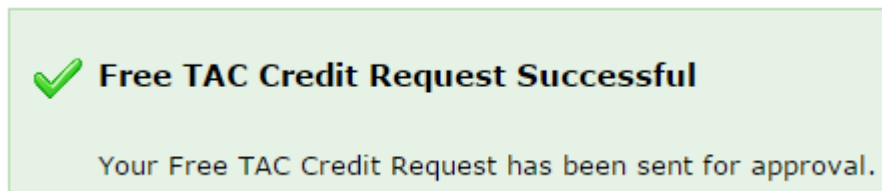


Figure 21: Free TAC Success page

Once GSMA accounts approves the request, the TAC credits will be added to the manufacturer account.

In a FREE TAC eligibility, the manufacturer can buy 'n' number of TAC credits at no cost within the same financial year. However there are few conditions for requesting FREE TACs.

- a. The maximum number of TAC credits that can be requested in a single request is 10.
- b. Manufacturer / Brand Owner cannot request more FREE TAC, if the total TAC credits in hand is greater than 20. The TAC credits in hand will be decreased for every TAC allocated to the manufacturer.
- c. Manufacturer / Brand owner can request more FREE TAC Credits only on the approval of the previous request by GSMA Accounts.
- d. Once the financial year is ended and a new financial year starts, the FREE TAC eligibility will be expired automatically. The manufacturer / brand owner should Buy TAC credits at the purchase value.

## 4. Grandfathered Discount

The manufacturer / brand owner is eligible for Grandfathered discount at the start of every new financial year, if they satisfy the following conditions while requesting TAC credits:

- The first Buy TAC request for the new financial year
- The total TAC codes allocated in the previous financial year for the manufacturer is more than 30.

If the manufacturer is eligible for the Grandfathered discount, the Buy TAC form will be displayed as shown in figure 22.

The screenshot shows a web form titled "TAC Credit Purchase" with a sub-header "You are eligible for GrandFather discount". The form is divided into several sections:

- Select Purchase Type:** Two radio buttons are present: "Regular TAC" (unselected) and "Avail GrandFather Discount" (selected). A red callout box with an arrow points to the "Regular TAC" option, containing the text: "Select the Regular TAC option if you do not wish to avail the Grandfather discount".
- GrandFather Purchase Quantity:** A text input field containing the value "41".
- Purchase Value \$:** A text input field containing the value "12000".
- Avail Additional 10 TAC For \$3000:** Two radio buttons: "Yes" (unselected) and "No" (selected).
- Total Purchase Value \$:** A text input field containing the value "12000".
- Final Invoice Value \$:** A text input field containing the value "12000".
- PO Number:** An empty text input field.

On the right side of the form, there is a user profile section for "Mr. Hari Om Rai" with email "imeihelpdesk@gmail.com" and address "Xolo, 1466/B-1, Vasant Kunj, New Delhi-110070, India". At the bottom, there are two red buttons labeled "Pay Offline" and "Pay Online". A small red note at the bottom right says: "If you have a PO number from your organisation you can input here for future reference."

Figure 22: Grandfather Form

The total purchase quantity will be equal to the number of the TAC codes allocated the previous financial year. The total purchase value will be at a fixed price of US \$12,000. The TAC credits and purchase value are non-editable in the Buy TAC form.

If the manufacturer / brand owner is a GSMA member, a further 10% discount is applicable on the fixed price. The manufacturer may choose to purchase the Grandfathered TAC credits or if the manufacturer does not have plans to produce such number of devices for the year, they can choose to buy through regular TAC Buy process. To Buy through regular TAC process, select the option 'Purchase through Regular' option on top of the form. The Grandfathered discount Buy form will be changed to regular Buy TAC form (explained in Section 5. BUY TAC). The user can provide the number of TAC credits required and buy.



## 5. Grandfathered Bundle Discount

If the manufacturer had used the Grandfathered discount to purchase in a new financial year, they are eligible for Grandfathered bundle discount for the subsequent purchases in the same financial year

In a grandfathered bundle purchase, the manufacturer can buy TAC credits in bundles of 10 for a discount price of US \$3000. The price per TAC credit is US\$ 300. The TAC bundles will be available as a drop down to select. This is shown in figure 23.

The screenshot shows a web form titled "TAC Credit Purchase" with a sub-header "You are eligible for GrandFather Bundle". The form is divided into two main sections. The top section contains three rows of input fields: "GrandFather Bundle Purchase Quantity" with a dropdown menu set to "10", "Price for Quantity \$" with a text box containing "3000", and "Purchase Value \$" with a text box containing "3000". The bottom section contains two rows: "Invoice Value \$" with a text box containing "3000" and "PO Number" with an empty text box. To the right of the form, contact information for "Mrs. Jeanette Rixborn" (imeihelpdesk@gmail.com) and "Sony Mobile Communications" (Nya Vattentornet, 221 88 Lund, Sweden) is displayed. A red note states: "If you have a PO number from your organisation you can input here for future reference." At the bottom of the form are two red buttons: "Pay Offline" and "Pay Online".

Figure 23: Grandfather Bundle form

The bundle purchase will be available to the manufacturer in a financial year until they reach the maximum purchase value of US \$30,000.

## 6. TAC ALLOCATION

To get TAC codes for a new device the manufacturer / brand owner should fill the TAC application form by providing the specifications of the model / device. The reporting body authorized to provide TAC codes would verify the information provided and allocate a TAC code for the manufacturer.

The TAC Code is the 8 digit of a 15 digit IMEI number

One TAC code equals 1 million devices with the last 6 digits of the IMEI number ranging from 000000 to 999999. The last digit of an IMEI being the check digit, calculated based on the Luhn formula.

The GSMA policy determines a manufacturer to allocate 1 TAC for 1 model only. Read TS.06 V8.0 for details on the 1 TAC 1 model policy.

To apply for a TAC, follow the step by step guide explained below:

Go to the tab TAC Management and select Request a TAC

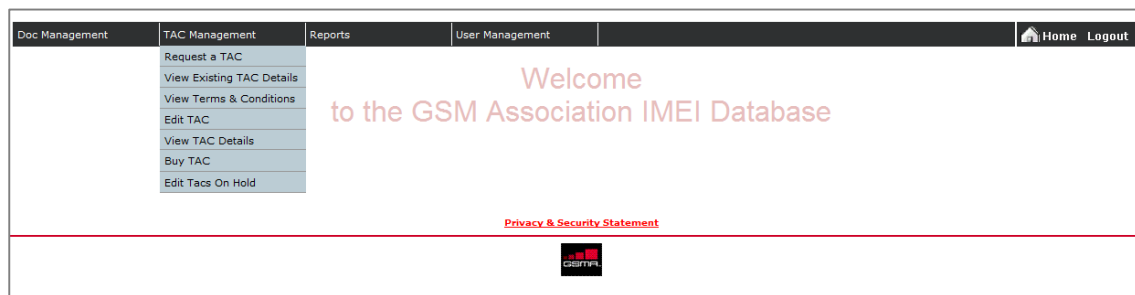


Figure 24: Request TAC Menu

The system checks the manufacturer account for the following conditions to apply TAC:

### **TAC Credits in Hand**

If the manufacturer does not have any TAC credits in hand the TAC application form will not be displayed, instead the message as shown in figure 24.1 will be displayed.

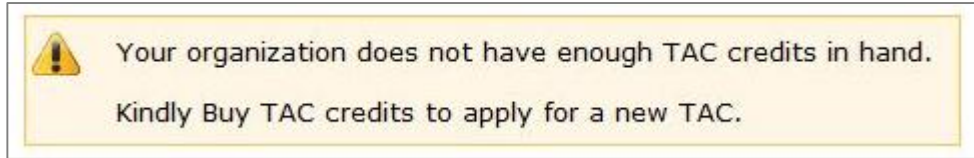


Figure 24.1 No Credits to Apply TAC

### **Associated Brand Name**

If there are no brand names associated with the manufacturer IMEIDB account, the system will display the following message

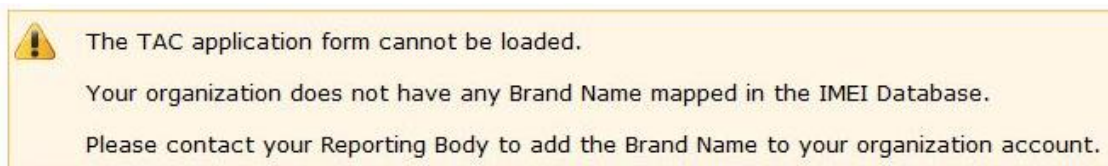


Figure 24.2 No Brand Name Warning Message

The manufacturer should contact BABT ([imei@babt.com](mailto:imei@babt.com)) with the brand name and brand certificate details. BABT will add the brand name to the manufacturer account and confirms the same through an email.

If the manufacturer has at least one TAC credit, the TAC application form as shown in figure 25 will be displayed

The manufacturer should buy TAC credits before applying for TACs. Refer Section 5 on steps to Buy TAC credits.

The TAC application is divided into 5 sections to ease user filling of the data.

## 1. Device Details

The first section displayed is the Device Details page as shown in figure 25.

**TAC Application Request Form**

1 Device Details      2 Operating System      3 Networks      4 Device Certification Bodies      5 Review

Applicant Name:       Applicant Email:

Brand Name:       Equipment Type:

Model Name:       Internal Model Name:

Marketing Name:

Quantity Of TAC Required:       Multi Sim Support:

Note: You are eligible to request a maximum of 5 TACS

Does the device support NFC?  Yes  No

Does the device support WLAN?  Yes  No

Does the device support BLUETOOTH?  Yes  No

Note :      

Figure 25: Device Details form

The user should provide the name and email id of the applicant filling the form. The applicant could be a manufacturer contact or the contact of the agency approved to apply for TACs. The form would display by default the second contact person registered in the applicant name and email id fields.

The IMEI applicant should provide the details about the device in the TAC application form.

### 1.1 Important form fields to understand

Manufacturer	Brand Name	Model name	Marketing name(s)
Nokia	Nokia	X8	Lumia X8
Apple	Apple	A1234	iPhone 5
RIM	Blackberry	9900	Bold

The maximum quantity of TAC allowed is 5 per application or the number of TAC credits available with the manufacturer whichever is the least.

Once all the mandatory information are complete, Select 'Next' for the next section of the TAC application form. If the type of the device selected in the 'Equipment Type' drop down is one of the below

- a. Mobile / Feature Phone
- b. Dongle
- c. WLAN Router
- d. Modem

The system would set the value of the operating system by default and hence would skip the operating system section and displays the 'Networks' section. If any other equipment type selected, the operating system section will be displayed

## 2. Operating System

Select the operating supported by the device from the list of operating systems displayed.

The screenshot displays the 'TAC Application Request Form' with a progress indicator at the top showing five steps: 1. Device Details, 2. Operating System (current step), 3. Networks, 4. Device Certification Bodies, and 5. Review. Below the progress bar, the 'Operating System' section is highlighted in light blue. It contains a heading 'Operating System (Please select Operating System supported by the Device)' and a grid of 15 checkboxes for various operating systems: Android, Bada, Blackberry, Firefox, iOS, Symbian, TIZEN, UBUNTU, Windows Phone, Nucleus, RTOS, YunOS, ThreadX, MTK, and S30. At the bottom left is a red button labeled '<< Previous' and at the bottom right is a red button labeled 'Next >>'.

Figure 26: Operating system form

A maximum of 2 operating systems can be selected for devices supporting more than 1 OS.

If the supporting operating system is not displayed in the list, the user can complete the form by selecting the operating system as 'None' and write an email to IMEI helpdesk to add the operating system for the TAC application.

Select "Next" to complete the networks section.

### 3. Networks

The bands are grouped under each mode. Select the network bands supported by the device.

**TAC Application Request Form**

1 Device Details      2 Operating System      **3 Networks**      4 Device Certification Bodies      5 Review

**Bands Supported** (Atleast one band should be selected)

**GSM**

GSM 450       GSM850 (GSM800)       GSM 900       GSM 1800       GSM 1900

**WCDMA**

WCDMA FDD Band I       WCDMA FDD Band II       WCDMA FDD Band III       WCDMA FDD Band IV       WCDMA FDD Band V

WCDMA FDD Band VI       WCDMA FDD Band VII       WCDMA FDD Band VIII       WCDMA FDD Band IX       WCDMA TDD Band "a"

WCDMA TDD Band "b"       WCDMA TDD Band "c"       WCDMA TDD Band "d"

**TD-SCDMA band**

TD-SCDMA

**E-UTRA (LTE) FDD**

LTE FDD BAND 1       LTE FDD BAND 2       LTE FDD BAND 3       LTE FDD BAND 4       LTE FDD BAND 5

LTE FDD BAND 6       LTE FDD BAND 7       LTE FDD BAND 8       LTE FDD BAND 9       LTE FDD BAND 10

**E-UTRA (LTE) TDD**

LTE TDD BAND 33       LTE TDD BAND 34       LTE TDD BAND 35       LTE TDD BAND 36       LTE TDD BAND 37

LTE TDD BAND 38       LTE TDD BAND 39       LTE TDD BAND 40       LTE TDD BAND 41       LTE TDD BAND 42

LTE TDD BAND 43       LTE TDD BAND 44

**INTRA-Band contiguous Carrier Aggregation (CA) operating bands**

CA\_1       CA\_3       CA\_7       CA\_23       CA\_27

CA\_38       CA\_39       CA\_40       CA\_41

**INTER-Band Carrier Aggregation (CA) operating bands**

CA\_1-5       CA\_1-8       CA\_1-18       CA\_1-19       CA\_1-21

CA\_1-26       CA\_2-4       CA\_2-5       CA\_2-12       CA\_2-13

**INTRA-Band non-contiguous Carrier Aggregation operating bands**

CA\_7-20       CA\_7-28       CA\_8-20       CA\_11-18       CA\_12-25

CA\_19-21       CA\_23-29       CA\_39-41

**INTRA-Band non-contiguous Carrier Aggregation operating bands**

CA\_3-3       CA\_4-4       CA\_7-7       CA\_23-23       CA\_25-25

CA\_41-41

**CDMA band**

CDMA2000

**GAN band**

GAN

**OTHER bands**

2.4-2.5 GHz       2496-2690MHz       698-2690MHz       742-774MHz       870-921MHz

AXGP TDD 41       GSM-R Railway Appl.       LTE FDD BAND 31       LTE TDD BAND 60       LTE TDD BAND 61

WCDMA FDD BAND XI       WCDMA FDD BAND XIX

**Radio Interfaces Supported**(Please select atleast one Radio Interface Supported)

NONE       CDMA       3GPP2       SATELLITE     

Figure 27: Networks form

Click "Next" to complete the Device Certification Bodies.

#### 4. Device Certification Bodies

If the device has been certified, select the appropriate device certification body if applicable.

**TAC Application Request Form**

1 Device Details    2 Operating System    3 Networks    4 Device Certification Bodies    5 Review

**Device Certification Bodies(If applicable)**

CE     FCC     IC     GCF     PTCRB

CCC     Anatel

<< Previous    Next >>

Figure 28: Device Certification form

Click “Next” to review the information.

#### 5. Review

This page displays the information provided in each of the sections. Verify the details provided. If the information requires any change, select “previous” to navigate to the respective section to make the modification.

**TAC Application Request Form**

1 Device Details    2 Operating System    3 Networks    4 Device Certification Bodies    5 Review

Applicant Name : Mr RadhaKrishna    Applicant Email : radhakrishnak@venusgeo.com

Brand Name : Radha    Equipment Type : Smartphone

Model Name : TSCKON-2015    Internal Model Name : TSCKON-2015

Marketing Name : TSCKON-2015    Quantity Of TAC Required : 2

Multi Sim Support : 1 SIM

Bands Supported

OTHER bands : LTE TDD BAND 61

Does the device support NFC? : No    Operating System : S30

Does the device support WLAN? : Yes    Radio Interfaces Supported : NONE

Does the device support BLUETOOTH? : Yes

Device Certification Bodies :

Submit

Figure 29: Review form

If the information provided are accurate, select “Submit” to submit the TAC application.

An email will be sent to the manufacturer to confirm the submission. The TAC application will be sent to the reporting body for review.

The manufacturer has to submit the relevant documents supporting the device specification to the reporting body offline. Please refer TS.06 v8.0 for details on the document requisite.

The document can also be submitted through the IMEI Database by selecting the tab Document Management > Upload Documents. The page provides an option to upload and submit documents to the reporting body.

The reporting body would contact the manufacturer for additional information if required.

The reporting body can reject the application if the information found are not valid.

If the reporting body puts the application on hold, the manufacturer would receive an email on the reason for hold. The manufacturer can then modify the information in the TAC application and re-submit. Please refer to the section “how to edit applications on hold”.

Upon approval by the reporting body, the manufacturer main contact and the applicant would receive an email confirmation with the TAC code and a GSMA document certifying the TAC allocated to the manufacturer and the model. The TAC certificate is the documented proof that the TAC is allocated to the manufacturer for the handset model and is an internationally accepted document by customs and regulatory agencies of all countries.

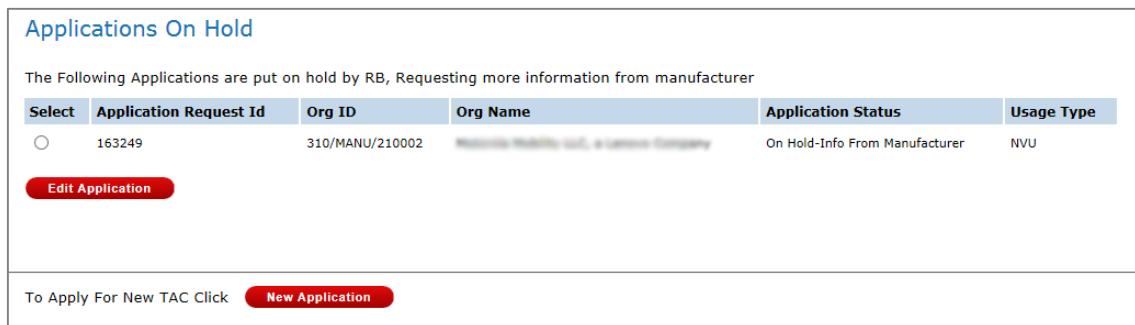


## 6. Edit TAC Application on Hold

Upon the reporting body putting a TAC application on Hold, the IMEI Applicant will receive an email confirming the same. The reason for the hold will be provided by the reporting body and the same will be shown in the email.

The IMEI Applicant should edit the application to modify the details as requested by the reporting body and re-submit the application. To view the applications on hold, the IMEI applicant should login to the IMEI Database and select the menu '**TAC Management > Request a TAC**'.

The applications that are put on Hold are listed on the top of the page. Select the application to edit and click 'Edit application' as shown in figure 30.



**Applications On Hold**

The Following Applications are put on hold by RB, Requesting more information from manufacturer

Select	Application Request Id	Org ID	Org Name	Application Status	Usage Type
<input type="radio"/>	163249	310/MANU/210002	Microsoft Mobile Ltd, a Licensed Company	On Hold-Info From Manufacturer	NVU

[Edit Application](#)

To Apply For New TAC Click: [New Application](#)

Figure 30: TAC Application on Hold

The Edit form with previously provided details will be displayed as shown in figure 31.

### Edit TAC Application

Applicant Name : <input type="text" value=""/>	Applicant Email : <input type="text" value=""/>
------------------------------------------------	-------------------------------------------------

**Device Details**

Brand Name : <input type="text" value="brand1"/>	Equipment Type : <input type="text" value="Smartphone"/>
Model Name : <input type="text" value="Moto - M 166"/>	Internal Model Name : <input type="text" value="Moto - M 166"/>
Marketing Name : <input type="text" value="Moto - M 166"/>	

Quantity Of TAC Required : <input type="text" value="1"/>	Multi Sim Support : <input type="text" value="1 SIM"/>
-----------------------------------------------------------	--------------------------------------------------------

Does the device support NFC?  Yes  No

Does the device support WLAN?  Yes  No

Does the device support BLUETOOTH?  Yes  No

**Operating System**

<input checked="" type="checkbox"/> Android	<input type="checkbox"/> Bada	<input type="checkbox"/> Blackberry	<input type="checkbox"/> Firefox	<input type="checkbox"/> iOS
<input type="checkbox"/> Symbian	<input type="checkbox"/> TIZEN	<input type="checkbox"/> UBUNTU	<input type="checkbox"/> Windows Phone	<input type="checkbox"/> Nucleus
<input type="checkbox"/> Not Known	<input type="checkbox"/> RTOS	<input type="checkbox"/> YunOS	<input type="checkbox"/> ThreadX	<input type="checkbox"/> Sailfish
<input type="checkbox"/> S30	<input type="checkbox"/> NONE	<input type="checkbox"/> Mac OS		

**Radio Interfaces Supported**

<input checked="" type="checkbox"/> NONE	<input type="checkbox"/> CDMA	<input type="checkbox"/> 3GPP2	<input type="checkbox"/> SATELLITE	<input type="text" value="If you select satellite, please specify the details here"/>
------------------------------------------	-------------------------------	--------------------------------	------------------------------------	---------------------------------------------------------------------------------------

**Device Certification Bodies(If applicable)**

<input type="checkbox"/> CE	<input type="checkbox"/> FCC	<input type="checkbox"/> IC	<input type="checkbox"/> GCF	<input type="checkbox"/> PTCRB
<input type="checkbox"/> CCC	<input type="checkbox"/> Anatel			

Figure 31: Edit TAC Application form

The IMEI applicant can make changes to the form and submit. An email will be sent to the reporting body and a copy of the email is sent to the applicant and the main contact of the organization.

The reporting body will review the application and approve. Upon approval by the reporting body, the main contact and the applicant would receive an email confirmation with the TAC code and a GSMA document certifying the TAC allocated to the manufacturer and the model. The TAC certificate is the documented proof that the TAC is allocated to the manufacturer for the handset model and is an internationally accepted document by custom and regulatory agencies of all countries.

## 7. EDIT TAC

The manufacturer / brand owner may not provide the right information at the time of the initial TAC application. This could be done because they might want to keep the vital information such as the model name and/or marketing name confidential; or the model name and marketing name are not yet finalized. Therefore, the manufacturer can apply for TAC code by providing alternate information in the TAC application. This is subjective to the approval of the reporting body.

Once the details are confirmed and to receive the final TAC certificate with valid information, the manufacturer can edit the TAC details approved earlier.

The TACs mapped to a single model specification can be modified as a group. All the TACs mapped to the specific model will reflect the new values. The TAC certificate will be generated with the new values.

To edit a TAC application, the manufacturer has to login to the IMEI Database account and select the menu 'TAC Management > Edit TAC'

The list of approved TAC applications will be displayed as shown in figure 32. The page will list the TAC applications and the TAC codes mapped to the application. The IMEI applicant can search the list by providing an application request ID or by providing the TAC code.

Upon search the page will display the matching application request ID.

**TAC Edit Application**

Total Applications : 280      Search On : --Show All--           

Select Application	Application Req ID	TACs	Allocated Date
<input checked="" type="radio"/>	0	91004010	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004012	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004011	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004013	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004014	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004015	2009-11-28 00:00:00.0
<input type="radio"/>	0	91004067	2009-12-16 00:00:00.0
<input type="radio"/>	0	91050010	2010-04-22 00:00:00.0
<input type="radio"/>	0	91050020	2010-04-22 00:00:00.0
<input type="radio"/>	0	91051250	2010-05-18 00:00:00.0
<input type="radio"/>	0	91111525	2011-04-22 00:00:00.0
<input type="radio"/>	21289	91146700	2015-07-17 00:00:00.0
<input type="radio"/>	21636	91146900	2015-07-28 00:00:00.0
<input type="radio"/>	22017	91147060	2015-08-07 00:00:00.0

Figure 32: Edit TAC Application

Select the application request ID and click submit. The Edit form will be displayed as shown in figure 33 with previously provided details.

**Edit Application Form**

Select the TACs to Modify Application Request Id : 0

91004010

Applicant Name :  Applicant Email :

**Device Details**

Brand Name :  Equipment Type :

Model Name :  Internal Model Name :

Marketing Name :

Multi Sim Support :

Does the device support NFC?  Yes  No

Does the device support WLAN?  Yes  No

Does the device support BLUETOOTH?  Yes  No

**Operating System**

Android  Bada  Blackberry  Firefox  iOS

Symbian  TIZEN  UBUNTU  Windows Phone  Nucleus

Not Known  RTOS  YunOS  ThreadX  MTK

S30  NONE

**Bands Supported**

**GSM**

GSM 450  GSM850 (GSM800)  GSM 900  GSM 1800

GSM 1900

**Radio Interfaces Supported**

NONE  CDMA  3GPP2  SATELLITE


**Device Certification Bodies(If applicable)**

CE  FCC  IC  GCF  PTCRB

CCC  Anatel

Figure 33: Edit TAC Application form

The IMEI applicant can make changes to the form and submit. An email will be sent to the reporting body and a copy of the email is sent to the applicant and the main contact of the organization.

 **TAC Application is Modified.**

New Application Request ID : **163005**. Please note the application request ID for future reference

Mail Information is sent to the following contacts

Reporting body : [jyothana.s@venusgeo.com](mailto:jyothana.s@venusgeo.com)

Manufacturer Main Contact : [imeihelpdesk@gmail.com](mailto:imeihelpdesk@gmail.com)

Applicant : [sasi@venusgeo.com](mailto:sasi@venusgeo.com)

Figure 34: EDIT TAC Success Page

The reporting body can approve, reject or put the application on hold.

Upon approval by the reporting body, the new values provided by the manufacturer are updated to the device specification and a new TAC certificate is generated for each TAC code associated with the application.

## 8. TAC CERTIFICATE DOWNLOAD

The manufacturer / Brand Owner can download the TAC certificate by logging into their account and using the menu 'Reports > TAC Certification'

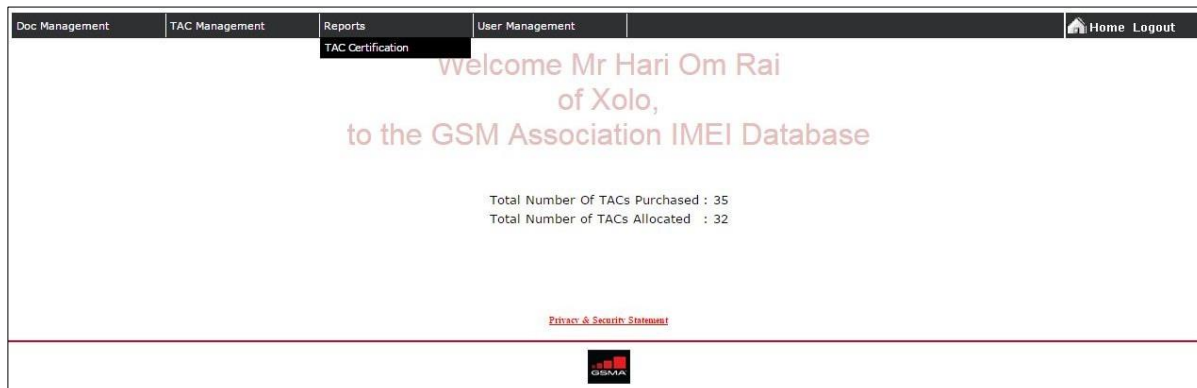


Figure 35: TAC certificate Menu

Enter the TAC code for which the certificate is required and click submit.

The screenshot shows a form for requesting a TAC certificate. The text reads: 'To receive the certificate associated with previously allocated TAC, Enter TAC Number'. There is a text input field containing the value '91124675'. Below the input field are two buttons: 'Submit' and 'Home'.

Figure 36: TAC Certificate form

The PDF format of the TAC certificate will be emailed to the main contact of the manufacturer.

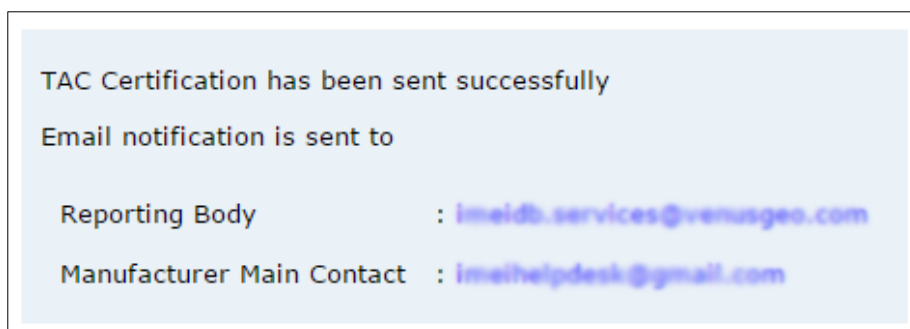


Figure 37: TAC Certificate Success Page

## 9. VIEW EXISTING TAC DETAILS

The manufacturer / Brand Owner can download the specification of the device in the text format. Go to the menu 'TAC Management > View Existing TAC Details'.

The screenshot shows a web interface with a navigation menu on the left and a main content area. The navigation menu includes: Doc Management, TAC Management (selected), Reports, User Management, Home, and Logout. Under 'TAC Management', the following options are listed: View Existing TAC Details (highlighted), View Terms & Conditions, Buy TAC, Request a TAC, Edit TAC, and Edit Tacs On Hold. The main content area displays a welcome message: 'Welcome Mr IMEI Helpdesk of IMEI Helpdesk, to the GSM Association IMEI Database'. Below this, it shows statistics: 'Total Number Of TACs Purchased : 77' and 'Total Number of TACs Allocated : 0'. A link for 'Privacy & Security Statement' is also visible. At the bottom, there is a GSM logo.

Figure 38: View Existing TAC Menu

Click the TAC code to view the model information in the browser window.

The screenshot shows a web page titled 'Existing TAC Details'. At the top, it states: 'You have the option to select the required TAC's and have it details sent to your registered email as a text file'. Below this, it shows 'Total no of allocated TAC's : 32' and a search box for 'TAC Number :' with a 'Go' button. A list of TAC codes is displayed, each with a checkbox:
 

- All
- 91124675  91124680  91124890  91125050  91125465
- 91125715  91125975  91130045  91130675  91131020
- 91131045  91131945  91131965  91132590  91132885
- 91132985  91133130  91133230  91133780  91133975
- 91134390  91134415  91135045  91135100  91135105
- 91135305  91135650  91135670  91136025  91136065
- 91136145  91136360

 A 'Submit' button is located below the list. At the bottom, there is a 'Note' section:
 

**Note:**  
 1.To download all the TAC details in a text file you check tick 'All'  
 2.You can also select specific TACs to be included by ticking the respective TACs

Figure 39: Existing TAC Details

Select the TAC code and click submit, the model information will be sent as an email to the main contact of the manufacturer.



## 10. VIEW TERMS AND CONDITIONS

Manufacturer should go to the *TAC Management* menu and click *View Terms & Conditions*. You can open or save the file direct to your computer.



Figure 40: Terms and Conditions Menu