



Training Module Six: TAC Application for IoT Manufacturers

IoT Module
October 2020 V2.0

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What is a TAC and who issues it?



Type Allocation Code (TAC)



Reporting Body identifier

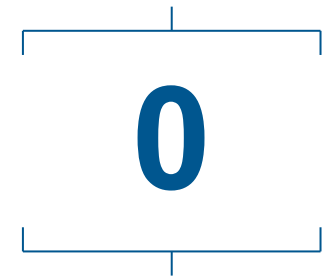
Type Identifier
Indicating brand owner and device model type

Serial Number



Unique Number assigned to individual devices by the manufacturer

Check Digit



A function of the other digits [calculated by the manufacturer]

The International Mobile Equipment Identifier (IMEI) is a unique 15 digit code which identifies each *individual* mobile device





What Mobile devices need a TAC?

IoT Equipment Types



IoT Device



Modem



Wearable

Other Equipment Types



Mobile /
Feature Phone



Smartphone



Tablet



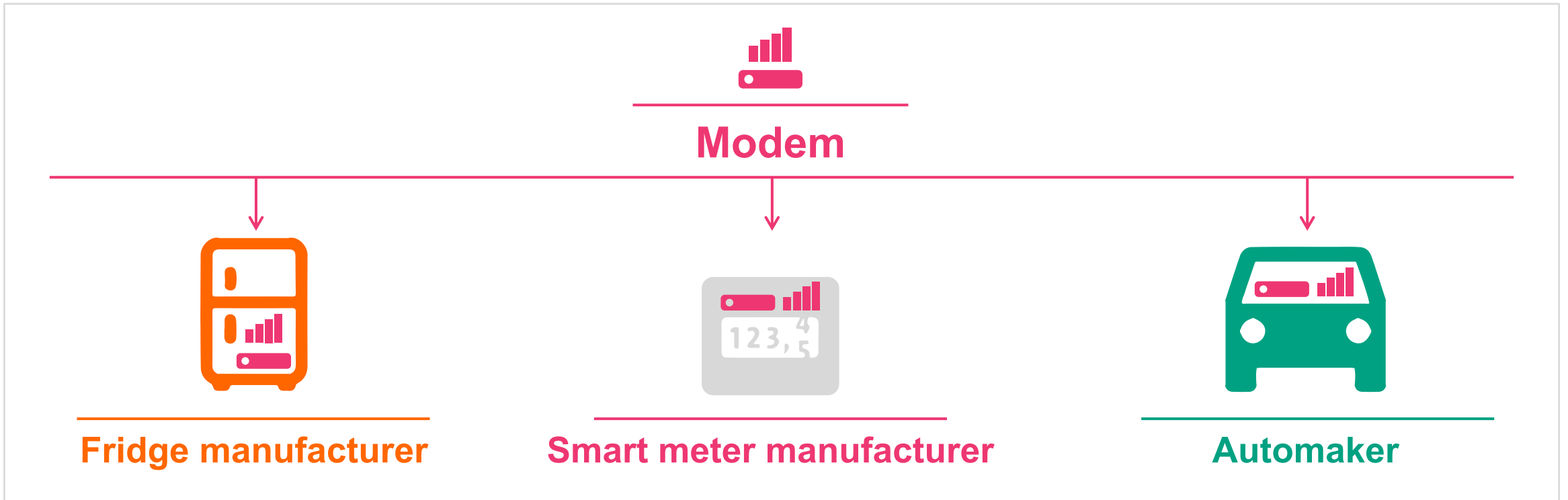
Dongle



WLAN Router



When IoT modems are installed in other equipment, who applies for TAC?



Modem producer applies for TAC






When do IoT require TAC?



Where a device connects to a cellular network, either a 3GPP or 3GPP2 defined network, it needs a TAC

2G	5G	GSMA	
3G	WCDMA	E-ULTRA	New Radio (NR) Standalone/ Dual Connectivity (DC)
4G	LTE-M	FDD /TDD	MIoT



Who benefits from IoT TAC / IMEI?



IoT Brand Owners and Modem Producers

- Network connectivity
- Compliance with international trade regulation
- Type approval



Customs & Excise

- Taxation
- Certification
- Authenticity
- Counterfeit detection



Operator

- | | |
|---|---|
| <ul style="list-style-type: none">• Identification• Support• Device blocking• Lawful interception / location• Updates | <ul style="list-style-type: none">• Configuration• Analytics• Sales & marketing• Service delivery• Whitelisting• Fraud detection |
|---|---|



Law Enforcement

- Theft checking
- Lawful interception / location
- Compliance checking



Government & Regulators

- Certification
- Type approval
- Taxation
- Crime management

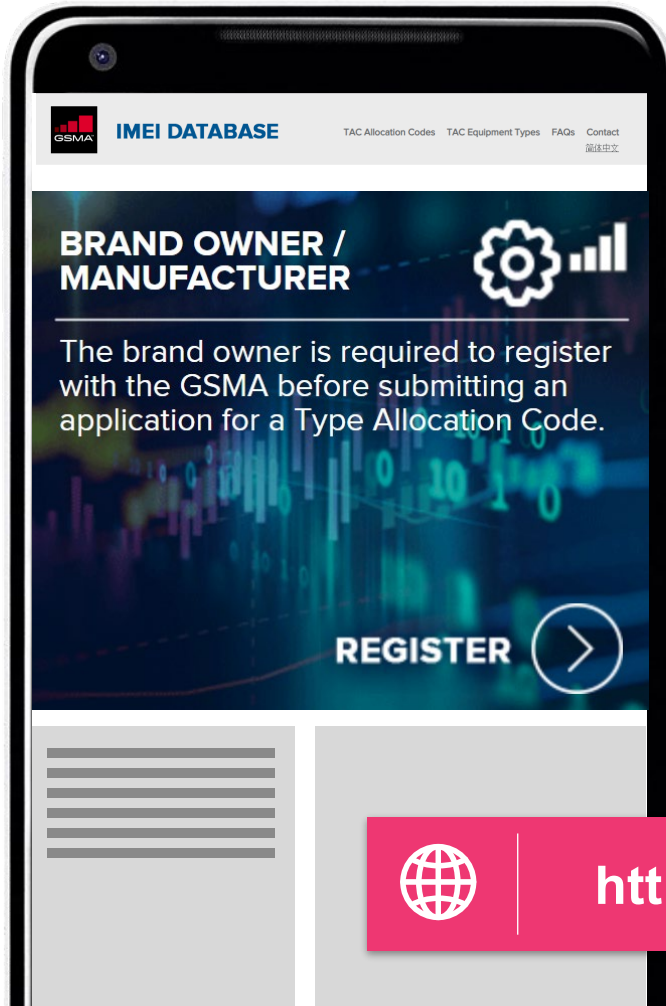


IoT Service Providers

- | | |
|--|--|
| <ul style="list-style-type: none">• Identification• SW updates• Remote control• Support | <ul style="list-style-type: none">• Blocking• Fraud detection |
|--|--|



Where to apply for TAC?



You will find training materials to help you



MODULE 1:
GSMA TAC ALLOCATION:
GOVERNING RULES

MODULE 2:
GSMA TAC ALLOCATION:
REGISTRATION

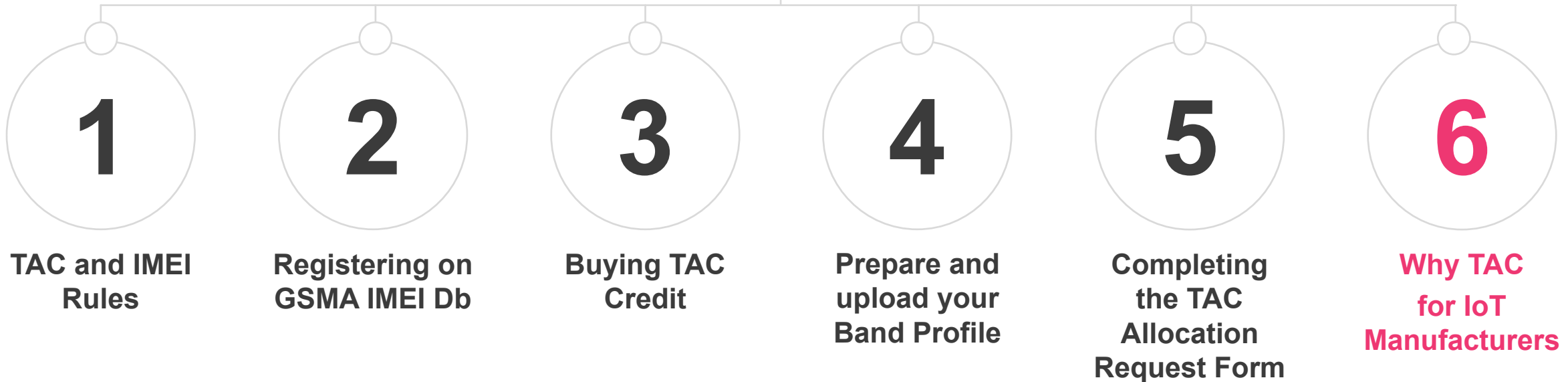
MODULE 3:
GSMA TAC ALLOCATION:
PAYMENT

MODULE 4:
GSMA TAC ALLOCATION:
APPLICATION FORM-FILL

 <https://imeidb.gsma.com/>



This document is part six of six TAC training modules





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