Training Module Six: TAC Application for IoT Manufacturers

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What is a TAC and who issues it?

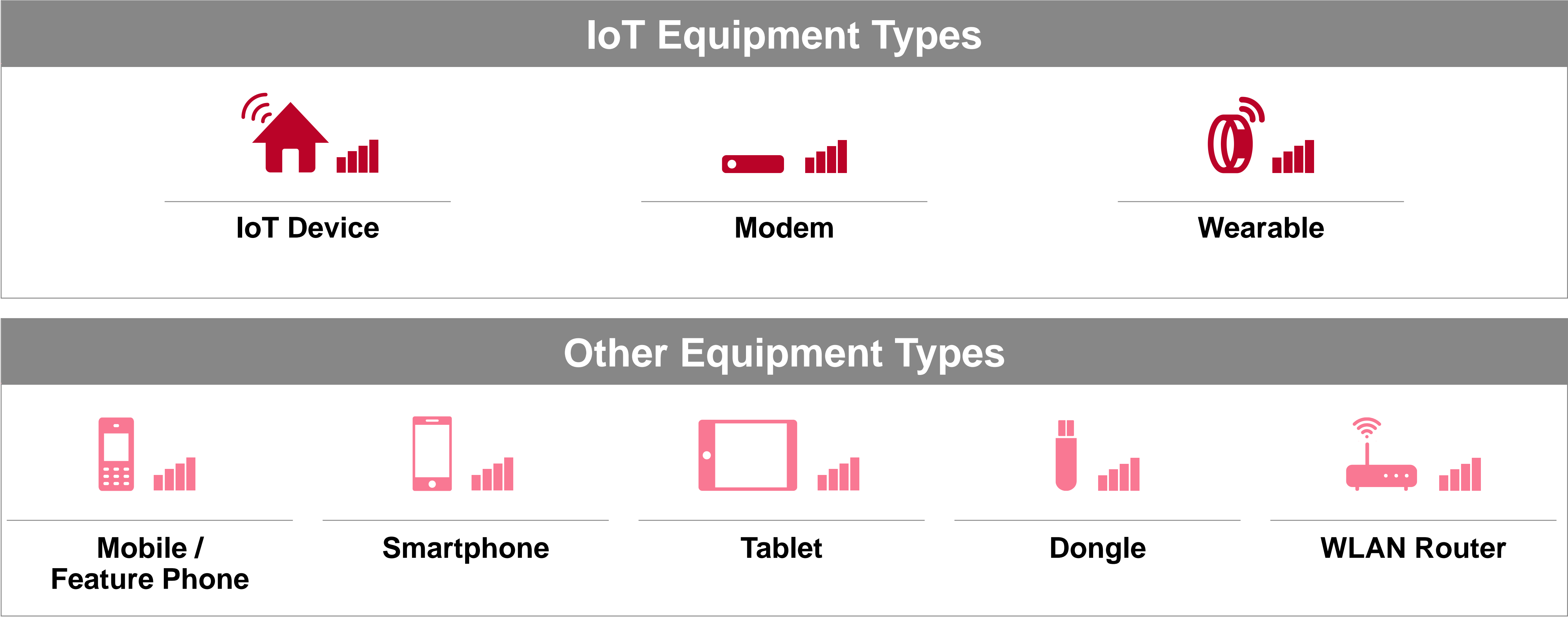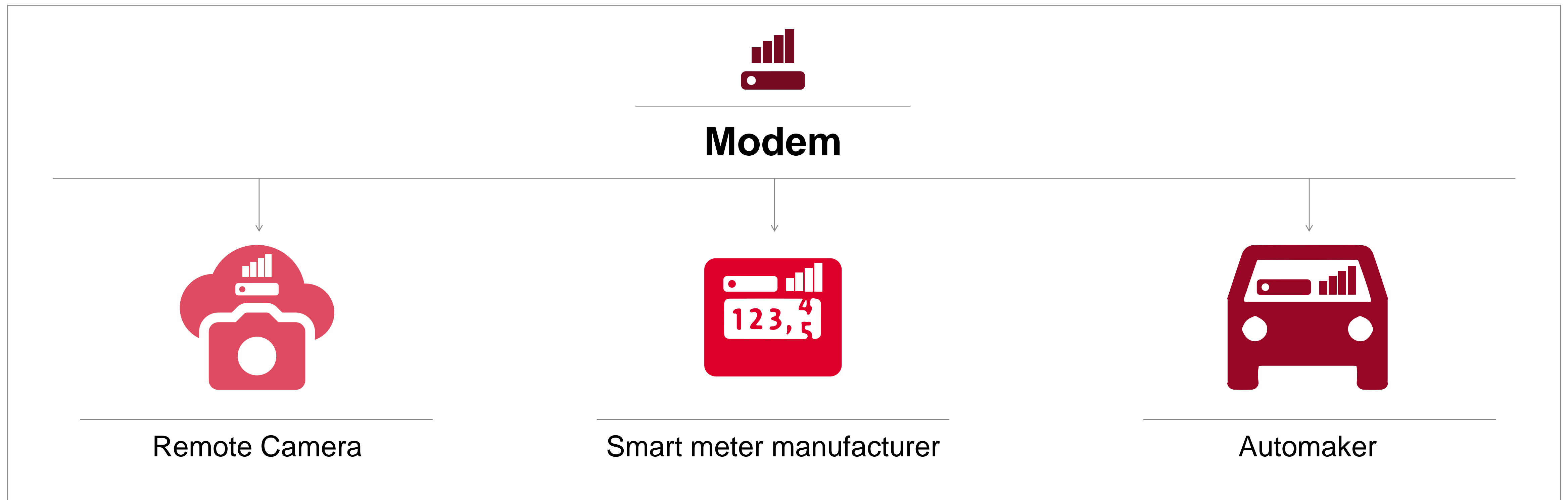| Type Allocation Code (TAC)		Serial Number	Check Digit
86	**916102**	**991292**	**0**
Reporting Body identifier	**Type Identifier** Indicating brand owner and device model type	**Unique Number** assigned to individual devices by the manufacturer	A function of the other digits [calculated by the manufacturer]

The **International Mobile Equipment Identifier (IMEI)** is a unique15 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

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

Modem

| Remote Camera | Smart meter manufacturer | Automaker |

Modem producer applies for TAC

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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**	GSM	NB-IoT
3G	WCDMA	E-ULTRA	New Radio (NR) Standalone/ Dual Connectivity (DC)
4G	LTE-M	FDD /TDD	MIoT

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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
- Identification
- Support
- Device blocking
- Lawful interception / location
- Updates
- Configuration
- Analytics
- Sales & marketing
- Service delivery
- Allowlist
- Fraud detection

Law Enforcement
- Theft checking
- Lawful interception / location
- Compliance checking
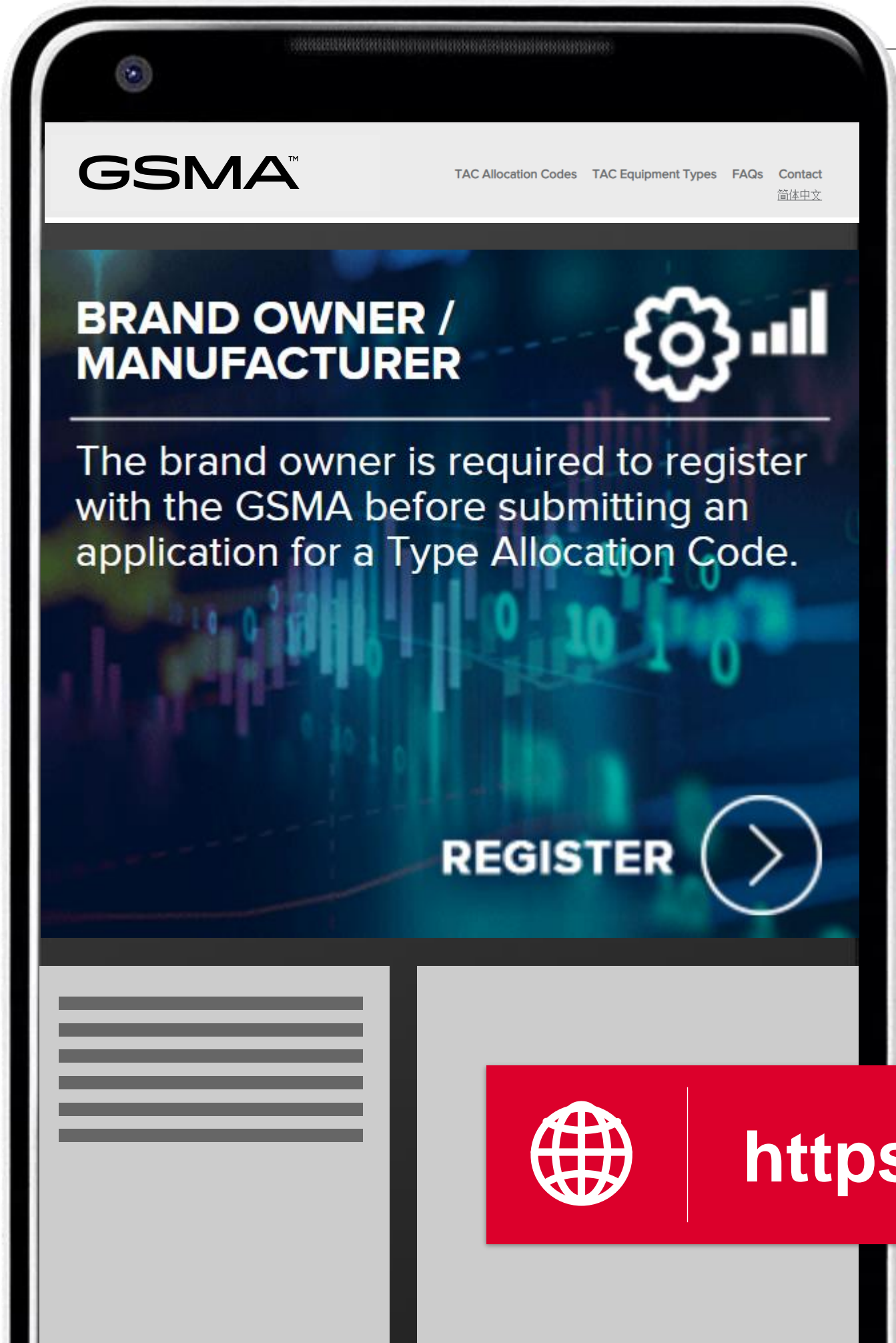
Government & Regulators
- Certification
- Type approval
- Taxation
- Crime management

IoT Service Providers
- Identification
- SW updates
- Remote control
- Support
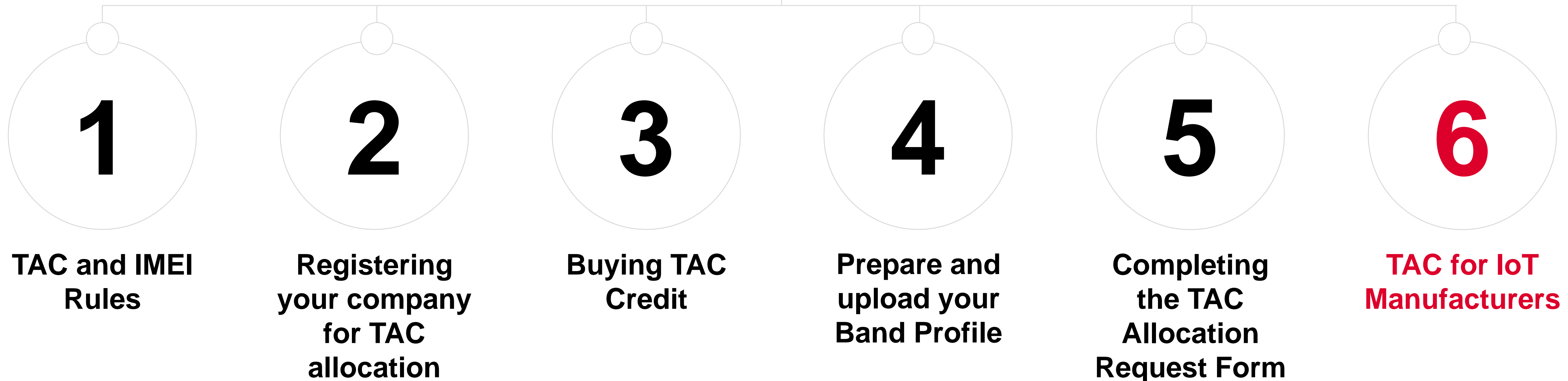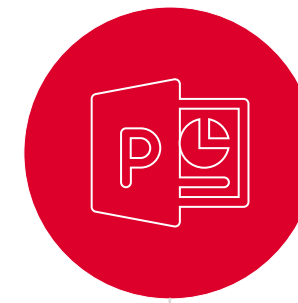- Blocking
- Fraud detection

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Where to apply for TAC?

You will find training materials to help you

https://imeidb.gsma.com/

This document is part six of six TAC training modules

1 TAC and IMEI Rules

2 Registering your company for TAC allocation

3 Buying TAC Credit

4 Prepare and upload your Band Profile

5 Completing the TAC Allocation Request Form

6 TAC for IoT Manufacturers

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