



# Introducing Our Services

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## Introduction

# Who We Are

- ▶ Globally recognized EMC/RF product compliance certifications provider strategically located in Orange County, California.
- ▶ ISO/IEC 17065 accredited by A2LA as a product certification body
- ▶ Telecommunications Certification Body (TCB) recognized by the Federal Communications Commission (FCC) in the United States
- ▶ Also a certification body for many countries such as Canada, EU, and Singapore
- ▶ Heavily focused on international regulatory certification of IT equipment, electronic devices, wireless products, and mobile devices.
- ▶ Offering quality and cost-effective review and certification solutions for accessing global markets.





# OUR PROCESS IS EASY

Application Review



Product Certification



Global Market Access

# 1.

## APPLICATION REVIEW



- Expert Review
- Quick Turnaround Time
- Cost-effective Solutions



## Application Review

# Scope of Review (USA)



<u>Certification Scheme</u>	<u>Product Type / Category</u>	<u>Standards / Requirements</u>
Federal Communication Commission (FCC) - TCB Roles and Responsibilities <sup>1</sup>	Unlicensed Radio Frequency Devices (Scope A)	Scope A1, A2, A3, A4 of the <i>FCC TCB Roles and Responsibilities</i>
	Licensed Radio Frequency Devices (Scope B)	Scope B1, B2, B3, B4 of the <i>FCC TCB Roles and Responsibilities</i>



Scope A – Unlicensed Radio Frequency Devices	
A1	Low power transmitters operating on frequencies below 1 GHz (with the exception of spread spectrum devices), emergency alert systems, unintentional radiators (e.g., personal computers and associated peripherals and TV Interface Devices), and consumer ISM devices subject to certification (e.g., microwave ovens, RF lighting, and other consumer ISM devices)
A2	Low power transmitters operating on frequencies above 1 GHz, with the exception of spread spectrum devices
A3	Unlicensed Personal Communications Service (PCS) Devices
A4	Unlicensed National Information Infrastructure (U-NII) devices and low power transmitters using spread spectrum techniques

Scope B – Licensed Radio Service Equipment	
B1	Commercial Mobile (Radio) Services in 47 CFR Parts 20, 22 (cellular), 24, 25 (below 3 GHz), and 27
B2	General Mobile Radio Services in 47 CFR Parts 22 (non-cellular), 73, 74 (below 3 GHz), 90 (below 3 GHz), 95 (below 3 GHz), 97 (below 3 GHz), <sup>8</sup> and 101 (below 3 GHz)
B3	Maritime and Aviation Radio Services in 47 CFR Parts 80 and 87
B4	Microwave and Millimeter Wave Bands Radio Services and Citizens Broadband Radio Service in 47 CFR Parts 25, 30, 74, 90 (above 3 GHz), 95L, 95M, 96, 97 and 101 <sup>9,10</sup>

- ▶ Review of the entire application generally takes 2-3 days



## Application Review

# Scope of Review (Canada)



**ISED**

<u>Certification Scheme</u>	<u>Product Type / Category</u>	<u>Standards / Requirements</u>
Innovation Science and Economic Development Canada (ISED) <sup>2</sup>	License-Exempt Radio Frequency Devices (Radio Scope 1)	Radio Scope 1 of the <i>Radiocommunication and Broadcasting Equipment Scopes of Accreditation for Certification Bodies</i>
	Licensed Personal Mobile Radio Services (Radio Scope 2)	Radio Scope 2 of the <i>Radiocommunication and Broadcasting Equipment Scopes of Accreditation for Certification Bodies</i>
	Licensed General Mobile & Fixed Radio Services (Radio Scope 3)	Radio Scope 3 of the <i>Radiocommunication and Broadcasting Equipment Scopes of Accreditation for Certification Bodies</i>
	Licensed Maritime & Aviation Radio Services (Radio Scope 4)	Radio Scope 4 of the <i>Radiocommunication and Broadcasting Equipment Scopes of Accreditation for Certification Bodies</i>
	Licensed Fixed Microwave Radio Services (Radio Scope 5)	Radio Scope 5 of the <i>Radiocommunication and Broadcasting Equipment Scopes of Accreditation for Certification Bodies</i>



## Application Review

# Scope of Review (European Union)

Certification Scheme	Product Type / Category	Standards / Requirements
Radio Equipment Directive (RED) 2014/53/EU <sup>4</sup>	Base Station for Mobile Network; Citizens' Band; Cordless Telephone; Fixed Links; Mobile (Cellular) Telephone Handsets; Cellular Base Station, UE, and Repeaters; Private and Professional Mobile Radio; Short Range Devices; Wireless Microphones; Onsite Pagers; BRAN – 5GHz High Performance RLAN; Maritime Mobile Radio; Ultra-Wide Band Devices; Repeaters; Dedicated Short Range Communication (DSRC) Transmission Equipment; Aeronautical Mobile Radio; Cordless Audio Devices; Satellite Earth Stations and Systems; White Space Devices; VHF Air ground Digital Link; Meteorological Aids; Wireless Video Links; Navigation Radars; Ultra Low Power Active Medical Implants; RFIDs; Digital Radio Mondiale (DRM) Broadcasting Devices; Television Broadcast Devices; Radio Equipment for Ultra Low Power Active Medical Membrane Implants and Accessories; Broadband Wireless Access Devices; Road Transport and Traffic Telematics Devices; Transmitting Equipment for Terrestrial Mobile TV; Terrestrial Trunked Radio; Maritime Low Power Personal Locating Devices	Radio Equipment Directive (RED) 2014/53/EU, Annex III, Module B

Certification Scheme	Product Type / Category	Standards / Requirements
Electromagnetic Compatibility (EMC) Directive 2014/30/EU <sup>4</sup>	Household Appliances and Portable Tools; Lighting Equipment; Professional Audio, Video, and Entertainment Lighting Control Equipment; IT Equipment; ISM Equipment; Industrial Equipment; Marine Navigational Equipment; Programmable Controllers (Industry); Alarm Systems; Equipment for Measurement, Control, and Laboratory Use; Railroad Equipment (Train Control and/or Track-side Apparatus); Wireless Equipment; Road Traffic Signaling Systems	Electromagnetic Compatibility (EMC) Directive 2014/30/EU, Annex III, Part A, Module B





## Application Review

# Scope of Review (Singapore)

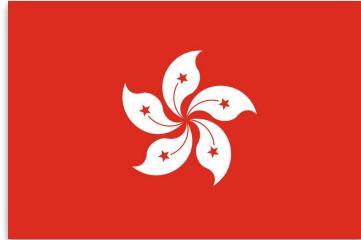


<u>Certification Scheme</u>	<u>Product Type / Category</u>	<u>Standards / Requirements</u>
IMDA – Singapore	Radio-Communication Equipment	All Technical Specifications for Radio-Communication Equipment – Table 2 of IMDA MRA Recognition Scheme: Issue 1 Rev 2, January 2018 ( <i>excluding IMDA TS IOT</i> )



## Application Review

# Scope of Review (Hong Kong)



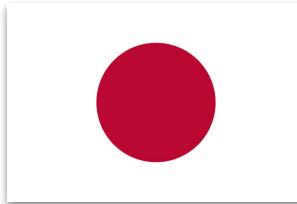
通訊事務管理局辦公室  
OFFICE OF THE  
COMMUNICATIONS AUTHORITY

<u>Certification Scheme</u>	<u>Product Type / Category</u>	<u>Standards / Requirements</u>
OFCA – Hong Kong	Radio Equipment	HKCA 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1010, 1015, 1016, 1019, 1020, 1022, 1026, 1033, 1034, 1035, 1036, 1037, 1039, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1052, 1053, 1054, 1056, 1057, 1061, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1076



## Application Review

# Scope of Review (Japan)



<u>Certification Scheme</u>	<u>Product Type / Category</u>	<u>Standards / Requirements</u>
MIC – Japan <sup>3</sup>	Radio Law (Radio Equipment)	Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law; Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law; Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law



# Applications Accepted.

Vista Compliance accepts all applications for review and provides detailed comments on how to resolve issues that are found in order to meet the relevant regulatory requirements.



# OUR PROCESS IS EASY



# 2.

## PRODUCT CERTIFICATION

ISO/IEC 17065 Accredited  
Certification Body  
and a TCB/FCB





## Product Certification

# Recognitions/Designations



ISO/IEC 17065 accredited by A2LA as a product certification body (**CB**)



Conformity Assessment Body (**CAB**) designated by NIST



Telecommunications Certification Body (**TCB**) of USA



Foreign Certification Body (**FCB**) of Canada



Notified Body (**NB**) of the European Union



Phase II Conformity Assessment Body (**CAB**) of Hong Kong



Phase II Conformity Assessment Body (**CAB**) of Singapore



Recognized Certification Body (**RCB**) of Japan

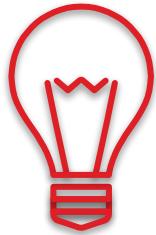


## Product Certification

# Certification Scope: Examples

- ▶ General electrical and electronic products
- ▶ Information technology equipment, laptops, tablets
- ▶ Medical devices, implantable devices, sensors
- ▶ Licensed or license-exempted (unlicensed) transmitters
- ▶ Short range devices, Low power intentional radiators
- ▶ RFID, Wireless headphones, Wireless charging pads, Keyless Entry, Toll-tag, Wireless LAN, GPS trackers, wireless routers, access points, push-to-talk radios
- ▶ Bluetooth Devices, Bluetooth-enabled devices, Bluetooth development kits, Bluetooth low energy
- ▶ Fixed Link Radios, Transmitters, receivers, radio systems, relays, base stations, and customer premises equipment (CPE)





# Certifications Recognized.

The certificates issued by Vista Compliance are recognized by regulatory bodies in countries all over the world.



## Product Certification

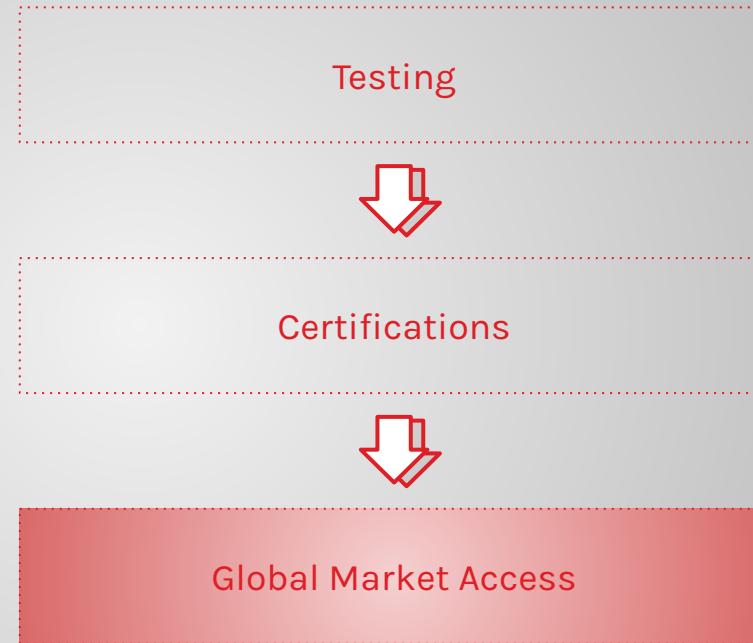
## Why Choose Us?

1. Certification Capability: accredited, large certification scope for electronic and radio products recognized everywhere.
2. Cost-effective: Low overhead costs due efficient review processes and solutions.
3. Convenient and Efficient: Quick turnaround, flexible scheduling, organized backlog, and urgent project handling.





# OUR PROCESS IS EASY



# 3.

## GLOBAL MARKET ACCESS



Efficiently obtaining  
approval for your  
products in foreign  
markets



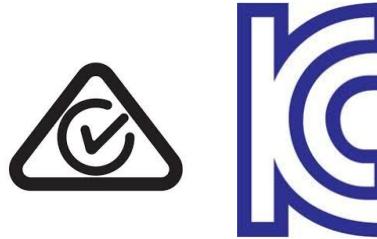
## Global Markets

## Overview

- ▶ Expansive global type approval reach
- ▶ Local representatives worldwide to help directly access global markets
- ▶ Single point of contact for all economies
- ▶ Modern certification and management tools to ensure on-time and on-target deliveries



EAC



NOM





**Global Coverage**





# 150+

Can provide international type approval for over  
150 countries in the world.

# 500 reps

Over 500 local representatives worldwide

# 150 countries

For over 150 countries

# 100%

Total success!



## LET'S REVIEW SOME KEY POINTS

### Application Review

- Wide range of products
- Expert reviewers with you in mind
- Guidance, feedback, and fast turnaround

### Product Certification

- Experienced Staff
- Recognized and accepted virtually everywhere
- Smooth certification process

### Global Market Access

- Regulatory Compliance Updates
- Insights, plannings, management
- Comprehensive Services



# THANK YOU!

## Questions, comments suggestions?

You can reach us at [info@vista-compliance.com](mailto:info@vista-compliance.com)

