



# PTC257 Application to Connect Device to Mobile Network

## Document Control

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# 1 Application Information

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## 1.1 Overview

1.1.1 Spark New Zealand's Permit to Connect (PTC) 257 Certification for mobile devices is part of the Telepermit process. More information about Telepermit can be found at [www.telepermit.co.nz](http://www.telepermit.co.nz)

1.1.2 Applicants wishing to apply for PTC257 Certification for devices to be connected to the Spark New Zealand Mobile Network must complete this application form in full and send it to the Device Testing team.

Once received the Device Testing team will contact you to discuss the relevant requirements for your submission.

1.1.3 If the application is approved, the relevant OEM pack will be sent to the applicant. The OEM pack includes the test strategy and detailed requirements that the submitted device must meet for certification testing.

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## 1.2 Regulatory Compliance

1.2.1 The mobile device must meet New Zealand Standard Radio frequency Fields NZS 2772.1:1999 and Radio Frequency (RF) performance parameters set by Spark New Zealand and those imposed by license requirements set by New Zealand Ministry of Business, Innovation and Employment (MBIE).

Spark New Zealand leases the Spectrum Management Rights to operate a mobile network from MBIE. The Management Rights contain conditions that all radio transmitting equipment must comply with. The Management Rights owner is responsible for the sub-licensing of radio transmitting equipment for operation within those Management Rights.

A mobile device must comply with the license conditions (as laid out by Spark New Zealand) associated with the Management Rights. The Spark New Zealand Permit to Connect (PTC) process effectively sub-licenses mobile devices for compliance and operation within Spark New Zealand owned Management Rights.

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## 1.3 Permit to Connect Certification Testing Charges

1.3.1 Charges apply for testing and certification of devices to be connected to the Spark New Zealand Mobile Network. All charges are payable by the applicant in advance of testing and are regardless of whether or not a PTC Certificate is issued for the device submitted. Specific charges will be advised upon submission of this application.

## 1.4 Contact Details

The completed application form should be sent to:

[device.testing@spark.co.nz](mailto:device.testing@spark.co.nz) OR

Device Testing  
 Boulcott Tower, Level 10  
 Spark Central  
 42 - 52 Willis Street  
 Wellington 6011  
 New Zealand

## 1.5 Glossary & Acronyms

The following terms are referred to in this document:

Definition	Description
ACMA EMR	Australian Communications and Media Authority (ACMA) Electromagnetic Radiation (EMR) Standard.
ANT+	ANT+ is the wireless technology that allows you to view monitoring data (i.e. sport, fitness and health) in real time on your mobile device.
ERAC	Electrical Regulatory Authorities Council. It is the peak body of electrical safety regulators in Australia & New Zealand. ERAC acts to ensure electrical safety regulatory systems are contemporary and harmonised wherever possible. See <a href="http://www.erac.gov.au">www.erac.gov.au</a> for more information.
GLONASS	GLOBAL NAVIGATION Satellite System. It is a space-based satellite navigation system operated by Russia. It provides an alternative to (GPS)
GPS	Global Positioning System. It is a space-based satellite navigation system operated by USA.
GURL for SRD	General User Radio License for Short Range Devices.
GSM	Global System for Mobile communications. An open, digital cellular technology used for transmitting mobile voice and data services.
LTE	Long Term Evolution, 4G LTE mobile technology.
MBIE	Ministry of Business Innovation & Employment (MBIE) develops and delivers policy, services, advice and regulation to support business growth and the prosperity and wellbeing of all New Zealanders.
MBIE RSM	Ministry of Business Innovation & Employment (MBIE) Radio Spectrum Management (RSM). See website <a href="http://www.rsm.govt.nz">www.rsm.govt.nz</a> for more information.
NFC	Near Field Communication. Contactless communication between devices.
PTC	Permit to Connect. PTC is an approval process for equipment & devices to be connected to the Spark New Zealand network. See <a href="http://www.telepermit.co.nz">www.telepermit.co.nz</a> for more information.
RCM	Regulatory Compliance Mark. In New Zealand the RCM will indicate a device's compliance with applicable Radio Spectrum Management's (RSM) and Australian Communications and Media Authority (ACMA) regulatory arrangements. Mandatory by 1 March 2016. See <a href="http://www.rsm.govt.nz/compliance/supplier-requirements/product-labelling">http://www.rsm.govt.nz/compliance/supplier-requirements/product-labelling</a> for more information
RLAN	Radio LAN. Typically RLAN frequencies are defined as: 5150 – 5250 MHz, 5250 – 5350 MHz, 5470 – 5725 MHz.
RF	Radio Frequency

Definition	Description
SRD RF	Short Range Device Radio Frequency, also known as Restricted Radiation Devices (RRDs), Low Interference Potential Devices (LIPDs), or Spread Spectrum Devices (SSDs) as defined by MBIE RSM in the GURL for SRD.
Spark New Zealand	Spark New Zealand formally operated as Telecom New Zealand
UMTS	Universal Mobile Telephone System. 3G mobile cellular system.
WLAN	Wireless LAN. Typically WLAN frequencies are defined as: 2.4 GHz (2400 – 2483.5 MHz), 5 GHz (5725 – 5875 MHz).
WorkSafe NZ, Energy Safety	Energy Safety is part of WorkSafe New Zealand. They act as the regulator for ensuring the safe supply and use of electrical products in New Zealand. See: <a href="http://www.energysafety.govt.nz">www.energysafety.govt.nz</a> for more information.
ZigBee	IEEE 802.15.4-based specification for a suite of high-level communication protocols used to create personal area networks with small, low-power digital radios.
ZWAVE	Z-Wave is a wireless technology that makes regular household products, like lights, door locks and thermostats "smart". Z-Wave products "talk" to each other wirelessly and securely and can be accessed and controlled on your phone, tablet or pc.

## 2 Application Form

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### 2.1 Applicant Details

<b>Company Name</b>		
<b>Address</b>		
<b>City</b>		
<b>Country</b>		
<b>Applicant Name</b>		
<b>Applicant Position in Company</b>		
<b>Applicant Contact Details</b>	<b>Email</b>	
	<b>Phone</b>	

### 2.2 Technical Contact Details

<b>Name</b>	
<b>Position</b>	
<b>Email Address</b>	
<b>Contact Number</b>	

### 2.3 Device Technology Details

<b>Manufacturer</b>			
<b>Device Make &amp; Model</b>			
<b>Applicable Market Names</b>		All known names the device is also referred to as	
<b>Type of Product</b>		For example Mobile Phone, Notebook, Tablet, Data stick	
<b>Hardware Version</b>	<b>Submitted Test Kit</b>		
	<b>To Market</b>		
<b>Submitted Software Version</b>			
<b>Customisation Variant</b>			
<b>Firmware Version</b>			
<b>Operating System &amp; Version</b>			
<b>Desktop Interface &amp; Version</b>			
<b>RF Cellular Chipset</b>		If you are submitting an integrated product. Please list the embedded cellular module.	
<b>RF Band Support</b> Please list all supported bands (e.g., UMTS 1,2,5,8)	<b>LTE</b>		
	<b>UMTS</b>		
	<b>GSM</b>		
<b>Mobile Data Category</b> (e.g., HSUPA (CAT-6), HSDPA (CAT-24))	<b>LTE</b>		
	<b>UMTS</b>		
<b>Short Range Device</b>	<b>Compliance</b>	<b>ERAC SN (RCM)</b>	
	<b>Technology</b> Please list all supported technologies, frequencies, channels and standards.(e.g., WLAN: 2.4 GHz, 1-13, IEEE 802.11a)	<b>ANT+</b>	
		<b>Bluetooth</b>	
		<b>GPS</b>	
		<b>GLONASS</b>	
		<b>FM Radio</b>	
		<b>NFC</b>	
		<b>RLAN</b>	
		<b>WLAN 2.4GHz</b>	
		<b>WLAN 5GHz</b>	
		<b>ZigBee</b>	
<b>ZWAVE</b>			

<b>Battery</b>	<b>Manufacturer (s)</b>	
	<b>Model</b>	
<b>Is Battery to be supplied independently of product, either as a spare part or accessory?</b>		

<b>To-Market Power Supply / Charger Model</b>	<b>Manufacturer (s)</b>	
	<b>Model</b>	



## 3 Declaration

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In making this application, I undertake to comply with any additional conditions applicable to the grant of a Spark New Zealand Permit to Connect Certificate should my application be successful.

I agree to fully disclose the product specification, functionality and any defects prior to submitting this product.

If this Permit to Connect application is successful I also agree to fully disclose any defects identified after the product has entered service.

I acknowledge that:

- All information, devices and test equipment supplied to Spark New Zealand for the purposes of testing and approving the device are at no cost to Spark New Zealand.
- Device testing will not commence until all appropriate charges are paid in full and submission requirements are satisfied.
- Completion of this application form in no way deems acceptance for testing or Spark New Zealand's approval of the product.
- Granting of a Permit to Connect Certificate is not an endorsement of the product and must not be used as such.
- Should for any reason this device no longer comply with the general and specific conditions of a Permit to Connect Certificate then Spark New Zealand may withdraw the issued PTC.
- In submitting this device all New Zealand regulatory requirements have been complied with.
- If I (the applicant) am not the original manufacturer of the product, then I have the written approval from the Manufacturer to represent this product in the New Zealand market.

<b>Applicant Signature:</b>	
<b>Applicant Name:</b>	
<b>Applicant Position:</b>	
<b>Date:</b>	