



PTC257 Application to Connect Device to Spark NZ Mobile Network



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1 Application Information

1.1 Overview

Spark New Zealand's Permit to Connect (PTC) 257 Certification is device testing and approval process for the Spark NZ network.

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 Technology & Certification (DTC) team.

The DTC team is a part of the new Entelar Group and is responsible for performing the testing and certification for mobile services on behalf of Spark New Zealand. Entelar Group was established on 1st October 2022 and is a fully owned subsidiary of Spark.

On receiving the application, the DTC team will contact you to discuss the relevant requirements for your submission.

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.

1.2 Regulatory Compliance

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), Radio Spectrum Management Group (RSM).

Spark New Zealand leases the Spectrum Management Rights to operate a mobile network from MBIE RSM. 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.

1.3 Permit to Connect Certification Testing Charges

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 during the testing process and are regardless of whether a PTC Certificate is issued for the device submitted or not. Specific charges will be advised upon submission of this application.

1.4 Contact Details

The completed application form should be sent to:

DTC@entelargroup.co.nz OR

Device Technology & Certification

Spark, Spark Central

Level 3 Boulcott Tower

62-70 Boulcott Street

Wellington 6011

New Zealand

Postal Address: Device Technology & Certification

Spark, P.O. Box 570, Wellington 6140, 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.
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 www.erac.gov.au for more information.
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 www.rsm.govt.nz for more information.
PTC	Permit to Connect. PTC is an approval process for equipment & devices to be connected to the Spark New Zealand network. See www.telepermit.co.nz 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.
R-NZ	Radio New Zealand or R-NZ label. This is an RSM compliance mark (New Zealand-only) used to label radio transmitters.
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.
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: https://worksafe.govt.nz/topic-and-industry/energy-safety/ for more information.

Note: Standard 3GPP/ETSI terminologies are not included in the Glossary. Please refer to 3GPP TR 21.905 (Vocabulary for 3GPP Specifications) *see <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=558>

2 Application Form

2.1 Applicant Details

Company Name		
Address		
City		
Country		
Applicant Name		
Applicant Position in Company		
Applicant Contact Details	Email	
	Phone	

2.2 Technical Contact Details

Name	
Position	
Email Address	
Contact Number	
Shipping Address	

2.3 Device Technology Details

Manufacturer			
Device Make & Model			
Applicable Market Names	All known names the device is also referred to as		
Type of Product (e.g., Mobile Phone, Router, Watch)			
Hardware Version	Submitted Test Kit		
	To Market		
SIM Combination	Number of Physical SIMs	Active -	Inactive -
	Number of eSIMs		
	Number of IMEIs		
	Any limitation on combinations?		
DSDS support	<input type="checkbox"/> Yes <input type="checkbox"/> No If the device supports dual SIM or eSIM + SIM, does it support Dual SIM Dual Standby		
Software Version			
Customisation Variant			
Firmware Version			
Operating System & Version			
VoLTE Enabled	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
ViLTE Enabled	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
VoWiFi Enabled	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
XCAP Enabled	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
SMSoIP Enabled	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Emergency Call Location Information (ECLI) support	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
RF Cellular Chipset	If you are submitting an integrated product. Please list the embedded cellular module.		
NR Standalone	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
NR Non-Standalone	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

RF Band Support All supported bands (e.g., NR FR1 n78; LTE FDD 3, 7, 28)	NR	FR1	
		FR2	
	LTE	TDD	
		FDD	
	UMTS		

Mobile Features	EN-DC	DL	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		UL	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	CA	LTE	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		NR	<input type="checkbox"/> Yes	<input type="checkbox"/> No

eMTC	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please complete section below.				
	eDRX	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	PSM	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	VoLTE+CAT-M1 Enabled	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Please confirm Cycle & Paging Time Window parameters	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #e0e0e0;">Cycle</td> <td></td> </tr> <tr> <td style="background-color: #e0e0e0;">PTW</td> <td></td> </tr> </table>	Cycle		PTW
Cycle					
PTW					

NB-IoT	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please complete section below.				
	NB1	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	NB2	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	PSM	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	eDRX	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Please confirm Cycle & Paging Time Window parameters	<table border="1" style="width: 100%;"> <tr> <td style="background-color: #e0e0e0;">Cycle</td> <td></td> </tr> <tr> <td style="background-color: #e0e0e0;">PTW</td> <td></td> </tr> </table>	Cycle		PTW
Cycle					
PTW					

Short Range Device	ERAC Supplier Number	
	ANT+	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Bluetooth	<input type="checkbox"/> Yes <input type="checkbox"/> No
	GPS	<input type="checkbox"/> Yes <input type="checkbox"/> No
	GLONASS	<input type="checkbox"/> Yes <input type="checkbox"/> No
	FM Radio	<input type="checkbox"/> Yes <input type="checkbox"/> No
	NFC	<input type="checkbox"/> Yes <input type="checkbox"/> No
	WPC/WPT	<input type="checkbox"/> Yes <input type="checkbox"/> No
	WLAN 2.4GHz	<input type="checkbox"/> Yes <input type="checkbox"/> No
	RLAN (Lower Band 5GHz)	<input type="checkbox"/> Yes <input type="checkbox"/> No
	WLAN 5GHz	<input type="checkbox"/> Yes <input type="checkbox"/> No
	WLAN 6GHz	<input type="checkbox"/> Yes <input type="checkbox"/> No
	Others	

Battery	Manufacturer(s)	
	Model	
Is Battery to be supplied independently of product, either as a spare part or accessory?		<input type="checkbox"/> Yes <input type="checkbox"/> No

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

Product Compliance Labelling	RCM	<input type="checkbox"/> Yes <input type="checkbox"/> No
	R-NZ	<input type="checkbox"/> Yes <input type="checkbox"/> No

3 Declaration

In making this application, I undertake to comply with any additional conditions applicable to 'the granting 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 or Entelar Group Limited.
- Device testing will not commence until the estimate/quote is accepted by the Applicant 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 complies with the general and specific conditions of a Permit to Connect Certificate then Spark New Zealand or Entelar Group Limited 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.

Applicant Signature:	
Applicant Name:	
Applicant Position:	
Date:	