



James Sanford  
Assistant United States Trade Representative  
for Small Business, Market Access, and Industrial Competitiveness  
Office of the United States Trade Representative  
Washington, D.C. 20508  
United States of America

22 March 2017

Dear Mr Sanford:

I am pleased to inform you that New Zealand is also prepared to initiate Phase I of the *Asia-Pacific Economic Cooperation Mutual Recognition Arrangement for Conformity Assessment of Telecommunications Equipment* (MRA) with the United States of America. I refer to your letter dated 19 January 2017, which included Attachments A and B of this letter and stated as follows:

I am pleased to inform you that the United States of America is prepared to initiate Phase I of the Asia-Pacific Economic Cooperation Mutual Recognition Arrangement for Conformity Assessment of Telecommunications Equipment (MRA) with New Zealand for equipment that is subject to mandatory conformity assessment procedures for electromagnetic compatibility (EMC) and radio standards





enforced by the U.S. radio spectrum regulatory authority. Accordingly, I have the honour to propose the following agreement:

*The United States of America and New Zealand (the Parties) shall each participate in the Phase I Procedures of the MRA with respect to equipment that is subject to mandatory conformity assessment procedures for EMC and radio standards enforced by each Party's own radio spectrum regulatory authority.*

*Accordingly, for such equipment and where a Party requires tests to be conducted by a recognized laboratory, each Party shall apply the Phase I Procedures in Appendix B of the MRA for the purposes of recognizing testing laboratories that the other Party designates as Conformity Assessment Bodies (CABs) and accepting test reports from those CABs for equipment subject to EMC and radio standards. In addition, each Party shall apply the procedures in Appendix A of the MRA in designating testing laboratories that it considers competent to test equipment that is subject to mandatory conformity assessment procedures for EMC and radio standards enforced by the other Party's radio spectrum regulatory authority, where the other Party requires tests to be conducted by a recognized laboratory.*

*Each Party shall evaluate and make determinations on recognizing such testing laboratories in accordance with Appendix B of the MRA.*

*Attached to this letter (Attachments A and B) are lists of the Technical Regulations that contain the mandatory conformity assessment procedures related to EMC and radio standards enforced by each Party's respective regulatory authority. These lists shall constitute, respectively, Annex 1 for the United States and Annex 1 for New Zealand to the Phase I Procedures of the MRA for purposes of this*

*agreement. Each Party shall update its list as necessary to keep it current and notify the other Party in accordance with the MRA if it modifies the list.*

*The Federal Communications Commission (FCC) is the radio spectrum regulatory authority for the United States of America responsible for recognizing CABs pursuant to the MRA. Mr. George Tannahill ([George.Tannahill@fcc.gov](mailto:George.Tannahill@fcc.gov)) is the FCC contact person for the purpose of the MRA. The National Institute of Standards and Technology (NIST) is the designating authority responsible for designating CABs pursuant to the MRA. Ms. Ramona Saar ([Ramona.Saar@nist.gov](mailto:Ramona.Saar@nist.gov)) is the NIST contact person for the purposes of the MRA.*

*I understand that the Ministry of Business, Innovation and Employment is the radio spectrum regulatory authority for New Zealand responsible for recognizing CABs pursuant to the MRA. Mr. Sanjai Raj ([sanjai.raj@mbie.govt.nz](mailto:sanjai.raj@mbie.govt.nz)) is the MBIE contact person for the purposes of the MRA. I understand that International Accreditation New Zealand (IANZ) will be the designating authority for New Zealand responsible for designating CABs pursuant to the MRA. Dr. Llewellyn Richards ([LRichards@ianz.govt.nz](mailto:LRichards@ianz.govt.nz)) is the IANZ contact person for the purposes of the MRA.*

*The MRA will be considered an integral part of this agreement.*

*From the date of this exchange of letters and the completion of the exchange of the relevant administrative and technical information, the Parties may designate testing laboratories in accordance with the general provisions, Appendix A, and Appendix B of the MRA.*



If the above is acceptable to you, this letter, and your letter of confirmation in reply, shall constitute an agreement between our two governments to apply the Phase I Procedures of the MRA, as specified above, and this agreement will enter into force on the date of our receipt of your letter in reply.

As such, this letter constitutes our confirmation, and this agreement will enter into force on the date of receipt of our letter.

Sincerely,

Brad Ward  
General Manager, Commerce,  
Consumers and Communications  
Branch  
Ministry of Business Innovation and  
Employment

cc: Andrey Mukhanov, Chair, Asia-Pacific Economic Cooperation  
Telecommunications and Information Working Group

Attachments:

Attachment A - Annex I to Phase I Procedures: Technical Regulations for  
United States of America

Attachment B - Annex I to Phase I Procedures: Technical Regulations for  
New Zealand





**ATTACHMENT A**

**ANNEX I TO PHASE I PROCEDURES  
LIST OF TECHNICAL REGULATIONS FOR  
UNITED STATES OF AMERICA**

1. Communications Act of 1934, as amended by the Telecommunications Act of 1996 (Title 47 of the United States Code);
2. U.S. FCC Rules and Regulations for Telephone Terminal Equipment that are contained in the following:
  - a. Code of Federal Regulations (CFR):

Administrative Provisions	47 CFR Part 2
Telephone Terminal Equipment	47 CFR Part 68

and;

- b. documents published by the Administrative Council for Terminal Attachment (ACTA), established in the FCC CC Docket 99-216:

Guidelines and Procedures for submittal of information for inclusion in the ACTA database of approved Telephone Terminal Equipment ("TTE");
TIA/EIA/IS-968, Telecommunications -- Telephone Terminal Equipment -- Technical Requirements for Connection of Terminal Equipment to the Telephone Network





TIA/EIA/IS-883, Telecommunications -- Telephone Terminal Equipment -- Supplemental Technical Requirements for Connection of Stutter Dial Tone Detection Devices and ADSL Modems to the Telephone Network

TIA-168-C, Telecommunications Telephone Terminal Equipment -- Labeling Requirements;

3. U.S. FCC Rules and Regulations for Transmitter Equipment that are contained in the following:

Administrative Provisions	47 CFR Part 2
Radio Frequency Devices	47 CFR Part 15
Commercial Mobile Services	47 CFR Part 20
Public Mobile Services	47 CFR Part 22
Personal Communication Service	47 CFR Part 24
Satellite Communications	47 CFR Part 25
Miscellaneous Wireless Communications Services	47 CFR Part 27
Upper Microwave Flexible Use Service	47 CFR Part 30
Broadcast	47 CFR Part 73
Auxiliary Broadcast	47 CFR Part 74
Cable Television Radio	47 CFR Part 78
Maritime Services	47 CFR Part 80
Aviation Services	47 CFR Part 87
Private Land Mobile	47 CFR Part 90
Personal Radio Services	47 CFR Part 95
Citizens Broadband Radio Service	47 CFR Part 96
Amateur Radio	47 CFR Part 97
Fixed Microwave Services	47 CFR Part 101

4. U.S. FCC Rules and Regulations for Electromagnetic Compatibility (EMC) that are contained in the following:



Administrative Provisions	47 CFR Part 2
EMC Requirements	47 CFR Parts 15 and 18

and;

5. Accredited Testing Laboratory Program Roles and Responsibilities – KDB Publication 974614.

### **PUBLIC AVAILABILITY OF TECHNICAL REGULATIONS**

The texts of Technical Regulations cited above may be obtained through links at the following Internet addresses, or by purchase from the U.S. Government Printing Office (see [www.gpo.gov](http://www.gpo.gov) for ordering information):

<b>Technical Regulation</b>	<b>Available at following website</b>
Communications Act of 1934, as amended by the Telecommunications Act of 1996 (Title 47 of the United States Code).	<a href="http://www.fcc.gov/telecom.html">http://www.fcc.gov/telecom.html</a>
The U.S. FCC Rules and Regulations for Telephone Terminal Equipment listed in paragraph 2 above.	<a href="https://www.fcc.gov/encyclopedia/rules-regulations-title-47">https://www.fcc.gov/encyclopedia/rules-regulations-title-47</a>  <a href="http://www.part68.org/">http://www.part68.org/</a>
The U.S. FCC Rules and Regulations for Transmitter Equipment listed in paragraph 3 above.	<a href="https://www.fcc.gov/encyclopedia/rules-regulations-title-47">https://www.fcc.gov/encyclopedia/rules-regulations-title-47</a>





<b>Technical Regulation</b>	<b>Available at following website</b>
The U.S. FCC Rules and Regulations for Electromagnetic Compatibility Requirements listed in paragraph 4 above.	<a href="https://www.fcc.gov/encyclopedia/rules-regulations-title-47">https://www.fcc.gov/encyclopedia/rules-regulations-title-47</a>
KDB Publication 974614	<a href="https://apps.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?switch=P&amp;id=44684">https://apps.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?switch=P&amp;id=44684</a>







**ATTACHMENT B  
ANNEX I TO PHASE I PROCEDURES  
LIST OF TECHNICAL REGULATIONS FOR  
NEW ZEALAND**

<b>Radio Standards</b>		<b>Level of Conformity</b>
<b>1. Short Range Devices</b>		
Short Range Devices: 9 kHz – 40 GHz	AS/NZS 4268	A1
ACMA Radiocommunications (Short Range Devices) Standard 2014 (2400 to 2483.5 MHz, 5150 to 5250 MHz, and 5725 to 5850 MHz bands only)		1
Short Range Devices (9 kHz – 25 MHz) Near Field Communication (NFC) Devices (13.56 MHz) Short Range Devices (25 MHz – 1 GHz) Short Range Devices (above 1 GHz) Spread Spectrum Devices (2.4 GHz) High performance RLAN (5 GHz) Wireless Microphones (25 MHz – 3 GHz) Road Transport and Traffic Telematics (5.8 GHz) Road Transport and Traffic Telematics (76 GHz) Road Transport and Traffic Telematics (24 GHz) Medical Implant Communication System (402 – 406 MHz)	EN 300 330-1 V1.8.1 EN 302 291-1 V1.1.1 EN 300 220-1 V2.4.1 EN 300 440-1 V1.6.1 EN 300 328 V1.9.1 EN 301 893 V1.8.1 EN 300 422-1 V1.5.1 EN 300 674-1 V1.2.1	A1



Broadband Radio Access Networks (60 GHz) Ultra Wide Band Devices Ground and Wall Probing Radar (30 - 18000MHz)	EN 301 091-1 V1.3.3 EN 302 288-1 V1.6.1 EN 301 839-1 V1.3.1 EN 302 567 V1.2.1 EN 302 065-1 V1.3.1 EN 302 066-1 V1.2.1	
CFR Title 47 (2014 Edition): Part 15 – Radio Frequency Devices: Subpart C – Intentional Radiators  Subpart E – Unlicensed National Information Infrastructure Devices (UNII). CFR Title 47 (2014 Edition): Part 95 – Personal Radio Services (Medical Radio transmitters 402 – 405 MHz)	Sections 15.209, 15.231, 15.235, 15.239, 15.247, 15.249, 15.251, 15.253, 15.255 15.401 to 15.407  Section 95.627	A1
<b>2. Personal Communications</b>		
HF CBRS – Citizen Band Radio Service (26 MHz) UHF CBRS – Citizen Band Radio Service (476 MHz)	AS/NZS 4355 AS/NZS 4365	A2
ACMA Radiocommunications (UHF CB Radio Equipment) Standard 2011 (No.1)		2





CT1 – Cordless Telephones (below 100 MHz) CT2 – Cordless Telephones (864 – 868 MHz) DECT – Digital Enhanced Cordless Telecommunications (1880 – 1900 MHz) PHS – Personal Handyphone System (1895 – 1920 MHz)	AS/NZS 4281 MPT 1334:1998 EN 301 406 V2.1.1 ARIB RCR STD-28 Ver. 6.0	A2
<b>3. Maritime, Aeronautical and Safety Services</b>		
MF/HF Maritime Mobile (below 30 MHz)	AS/NZS 4582 EN 300 373-1 V1.4.1	A2
ACMA Radiocommunications (MF and HF Radiotelephone Equipment - International Maritime Mobile Service) Standard 2014		2
VHF Maritime Mobile (156 – 174 MHz)	AS/NZS 4415 EN 300 162-1 V1.4.1 EN 301 025-1 V1.5.2 EN 302 885-1 V1.3.1 CFR Title 47 (2014 Edition) (Part 80, Subpart E)	A2
ACMA Radiocommunications (VHF		2



Radiotelephone Equipment – Maritime Mobile Service) Standard 2014		
VHF Aeronautical ground-based equipment – amplitude modulation (118 – 137 MHz)	AS/NZS 4583 EN 300 676-1 V1.5.2	A2
ACMA Radiocommunications (118 MHz to 137 MHz Amplitude Modulated Equipment – Aeronautical Radio Service) Standard 2012		2
Maritime survivor locating systems	AS/NZS 4869	A2
406 MHz satellite distress beacons – Marine emergency position-indicating radio beacons (EPIRBs)	AS/NZS 4280.1	A2
406 MHz satellite distress beacons – Personal locator beacons (PLBs)	AS/NZS 4280.2	A2
ACMA Radiocommunications (406 MHz Satellite Distress Beacons) Standard 2014		2
Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Avalanche Beacons (457 kHz)	EN 300 718-1 V1.2.1	A2
Radar transponders – Marine search and rescue (SART)	AS/NZS 4432 IEC 61097-1 Ed. 2.0	A2
AIS search and rescue transmitter (AIS-SART)	IEC 61097-14 Ed. 1.0	
Class B shipborne equipment of the automatic identification system (AIS)	AS/NZS IEC 62287.1	A2



(CSTDMA)	IEC 62287-1 Ed. 2.1	
Class B shipborne equipment of the automatic identification system (AIS) (SOTDMA)	AS/NZS IEC 62287.2 IEC 62287-2 Ed. 1.0	A2
Survival craft (156.0 – 156.9 MHz)	AS/NZS 61097.12 EN 300 225 V1.5.1	A2
<b>4. Land Mobile and Fixed Services</b>		
MF/HF Land mobile – SSB (below 30 MHz)	AS/NZS 4770 EN 300 373-1 V1.4.1	A2
ACMA Radiocommunications (MF and HF equipment – Land Mobile Service) Standard 2014		2
VHF Land mobile – amplitude modulation – 12.5 kHz channels (30 – 300 MHz)	RFS 21	A2
VHF/UHF Land mobile – angle modulation – 12.5/25 kHz channels (30 – 1000 MHz)	AS/NZ 4295 EN 300 086-1 V1.4.1	A2
UHF Land mobile – angle modulation - trunked radio	EN 300 086-1 V1.4.1 CFR47 (2014 Edition) Part 90,	A2



	Subpart I	
ACMA Radiocommunications (Analogue Speech (Angle Modulated) Equipment) Standard 2014		2
TETRA land mobile – 25 kHz channels (800 MHz trunked radio)	EN 300 394-1 V3.3.1	A2
APCO P25 land mobile – 12.5 kHz channels (VHF/UHF & 800 MHz trunked radio)	ANSI/TIA- 102.CAAB-C	
Digital land mobile – 6.25 kHz channels (30 – 1000 MHz)	EN 301 166-1 V1.3.2	
Digital land mobile – 12.5/25 kHz channels (30 - 1000 MHz)	AS/NZ 4768	
Digital land mobile – ETSI DMR (VHF/UHF)	EN 300 113-1 V1.7.1	
Radio paging (Angle modulation)	AS/NZS 4769.1 EN 300 224-1 V1.3.1	A2
Radio paging (Amplitude modulation)	AS/NZS 4769.2	A2
ACMA Radiocommunications (Paging Service Equipment) Standard 2014		2
AM/FM Telemetry and Telecommand	RFS 27	A2
VHF/UHF Fixed services – angle modulation – 50 kHz channels (30 – 1000 MHz)	RFS 36	A2
VHF/UHF Fixed services – angle modulation – 12.5/25 kHz channels (30 –	AS/NZ 4295 RFS 37	



1000 MHz) UHF Fixed services – angle modulation – studio to transmitter links		
Digital fixed services 12.5/25 kHz channels (30 – 1000 MHz)	AS/NZ 4768	A2
Digital fixed services (5.9 – 40 GHz)	EN 302 217-2-2 V2.2.1	A2
Digital fixed services – 80 GHz Band (71 – 86 GHz)	EN 302 217-3 V2.2.1 CFR Title 47 (2014 Edition) Part 101, Subpart C	A2
Fixed Radio Link Devices (5725 – 5825 MHz ): CFR Title 47 (2015 Edition): Part 15 – Radio Frequency Devices, Subpart C – Intentional Radiators  CFR Title 47 (2015 Edition): Part 15 – Radio Frequency Devices Subpart E – Unlicensed National Information Infrastructure Devices (U-NII)	Sections 15.247  Sections 15.401 to 15.407	A2
Fixed Radio Link Devices (57 – 64 GHz) CFR Title 47 (2015 Edition): Part 15 – Radio Frequency Devices , Subpart C – Intentional Radiators	Section 15.255	A2



## PUBLIC AVAILABILITY OF TECHNICAL REGULATIONS

The lists of Technical Regulations cited above may be obtained through links at the following Internet address:

<https://gazette.govt.nz/notice/id/2016-go2007>

<b>Electromagnetic Compatibility Standards</b>	
<b>Table 1. Australian and New Zealand Standards (AS/NZS, AS, NZS) Standards</b>	
AS/NZS CISPR 11	ISM radio frequency equipment
AS/NZS CISPR 12	Vehicles, motorboats, and spark-ignited engine-driven equipment
AS/NZS CISPR 13	Broadcast receivers and associated equipment
AS/NZS CISPR 14-1	Household appliances, electric tools and similar equipment
AS/NZS CISPR 15	Electrical lighting and similar equipment
AS/NZS CISPR 22	Information technology equipment
AS/NZS CISPR 32	Multimedia equipment
AS/NZS 61000-6-3	EMC generic emission standard – residential, commercial and light industry
AS/NZS 61000-6-4	EMC generic emission standard – industrial environments
NZS 6869	Limits and measurement methods of electromagnetic noise from A.C. power systems, 0.15 – 1000 MHz
AS 62040.2	Uninterruptible power systems (UPS)





<b>Table 2. Special Committee on Radio Interference (CISPR)</b>	
<b>Standards</b>	
CISPR 11	ISM radio frequency equipment
CISPR 12	Vehicles, motorboats, and spark-ignited engine-driven equipment
CISPR 13	Broadcast receivers and associated equipment
CISPR 14-1	Household appliances, electric tools and similar equipment
CISPR 15	Electrical lighting and similar equipment
CISPR 22	Information technology equipment
CISPR 32	Multimedia equipment

  

<b>Table 3. International Electrotechnical Commission (IEC) Standards</b>	
IEC 60204-31	Sewing machines, units and systems
IEC 60669-2-1	Electronic switches
IEC 60669-2-2	Remote control switches (RCS)
IEC 60669-2-3	Time-delay switches (TDS)
IEC 60730-1	Automatic electrical controls for household and similar use
IEC 60730-2-5	Automatic electrical burner control systems
IEC 60730-2-6	Automatic electrical pressure sensing controls
IEC 60730-2-7	Timers and time switches
IEC 60730-2-8	Electrically operated water valves
IEC 60730-2-9	Temperature sensing controls
IEC 60730-2-11	Energy regulators
IEC 60730-2-13	Humidity sensing controls
IEC 60730-2-14	Electric actuators
IEC 60730-2-18	Automatic electrical water and air flow sensing controls
IEC 60870-2-1	Telecontrol equipment and systems



IEC 60945	Maritime navigation and radiocommunication equipment and systems
IEC 60947-1	Low voltage switch gear and control gear
IEC 60947-2	Circuit breakers
IEC 60947-3	Switches, disconnectors, switch-disconnectors and fuse-combination units
IEC 60947-4-1	Electromechanical contactors and motor-starters
IEC 60947-4-2	AC semiconductor motor controllers and starters
IEC 60947-4-3	AC semiconductor controllers and contactors for non-motor loads
IEC 60947-5-1	Electromagnetic control circuit devices
IEC 60947-5-2	Proximity switches
IEC 60947-5-3	Proximity devices and defined behaviour under fault conditions (PDF)
IEC 60947-5-6	DC interface for proximity sensors and switching amplifiers (NAMUR)
IEC 60947-6-1	Automatic transfer switching equipment
IEC 60947-6-2	Control and protective switching devices (or equipment) (CPS)
IEC 60974-10	Arc welding equipment, Electromagnetic compatibility (EMC)
IEC 61000-3-8	Signalling on low voltage electrical installations
IEC 61000-6-3	EMC generic emission standard – residential, commercial and light industry
IEC 61000-6-4	EMC generic emission standard – industrial environments
IEC 61008-1	Residual current operated circuit breakers for household and similar uses (RCCB)
IEC 61326	Electrical equipment for measurement, control and laboratory use
IEC 61439-1	Low voltage switch gear and control gear assemblies



IEC 61543	Residual current operated protective devices (RCD) for household and similar use
IEC 61800-3	Adjustable speed electrical power drive
IEC 61812-1	Specified time relays for industrial use
IEC 62040-2	Uninterruptible power systems (UPS)
IEC 62052-11	Electricity metering equipment (a.c.) – Particular requirements , tests and test conditions – Part 11: Metering equipment
IEC 62052-21	Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment
IEC 62054-11	Electricity metering – tariff and load control – electronic ripple control receivers
IEC 62054-21	Electricity metering – tariff and load controls – time switches
IEC 62236-3-1	Rolling stock - Train and complete vehicle

**Table 4. European Norm (EN) Standards**

EN 50065-1	Signalling on low-voltage electrical installations in the range 3 kHz to 148,5 kHz
EN 50148	Electronic taximeters
EN 50263	Relays and protection equipment
EN 50270	Equipment for detection and measurement of combustible, toxic gases or oxygen
EN 55011	ISM radio frequency equipment
EN 55012	Vehicles, motorboats, and spark-ignited engine-driven equipment
EN 55013	Broadcast receivers and associated equipment
EN 55014-1	Household appliances, electric tools and similar apparatus





EN 55015	Electrical lighting and similar equipment
EN 55022	Information technology equipment
EN 55032	Multimedia equipment
EN 55103-1	Audio, video and entertainment lighting control apparatus for professional use
EN 61000-6-3	EMC generic emission standard – residential, commercial and light industry
EN 61000-6-4	EMC generic emission standard – industrial environments
EN 60204-31	Safety of machinery. Electrical equipment of machines. Particular safety and EMC requirements for sewing machines, units and systems
EN 60669-2-1	Switches for household and similar fixed electrical installations - Electronic switches
EN 60669-2-2	Switches for household and similar fixed electrical installations - Electromagnetic remote-control switches (RCS)
EN 60669-2-3	Switches for household and similar fixed electrical installations - Time-delay switches (T.D.S.)
EN 60730-1	Automatic electrical controls for household and similar use. General requirements
EN 60730-2-5	Automatic electrical controls for household and similar use - automatic electrical burner control systems
EN 60730-2-6	Automatic electrical controls for household and similar use - automatic electrical pressure sensing controls
EN 60730-2-7	Automatic electrical controls for household and similar use - timers and time switches
EN 60730-2-8	Automatic electrical controls for household and similar use - electrically operated water valves
EN 60730-2-9	Automatic electrical controls for household and similar use - temperature sensing controls





EN 60730-2-11	Automatic electrical controls for household and similar use - energy regulators
EN 60730-2-13	Automatic electrical controls for household and similar use - humidity sensing controls
EN 60730-2-14	Automatic electrical controls for household and similar use - electric actuators
EN 60730-2-15	Automatic electrical controls for household and similar use - automatic electrical air flow, water flow and water level sensing controls
EN 60870-2-1	Telecontrol equipment and systems - Power supply and electromagnetic compatibility
EN 60945	Maritime navigation and radiocommunication equipment and systems. General requirements. Methods of testing and required test results
EN 60947-1	Low-voltage switchgear and controlgear - General rules
EN 60947-2	Low-voltage switchgear and controlgear - Circuit-breakers
EN 60947-3	Low-voltage switchgear and controlgear - Switches, disconnectors, switch-disconnectors and fuse-combination units
EN 60947-4-1	Low-voltage switchgear and controlgear - Electromechanical contactors and motor-starters
EN 60947-4-2	Low-voltage switchgear and controlgear - AC semiconductor motor controllers and starters
EN 60947-4-3	Low-voltage switchgear and controlgear - AC semiconductor controllers and contactors for non-motor loads
EN 60947-5-1	Low-voltage switchgear and controlgear - Electromechanical control circuit devices
EN 60947-5-2	Low-voltage switchgear and controlgear - Proximity switches





EN 60947-5-3	Low-voltage switchgear and controlgear - proximity devices with defined behaviour under fault conditions (PDDDB)
EN 60947-5-6	Low-voltage switchgear and controlgear - DC interface for proximity sensors and switching amplifiers (NAMUR).
EN 60947-6-1	Low-voltage switchgear and controlgear - Multiple function equipment. Transfer switching equipment
EN 60947-6-2	Low-voltage switchgear and controlgear - Multiple function equipment. Control and protective switching equipment (CPS)
EN 60974-10	Arc welding equipment. Electromagnetic compatibility (EMC) requirements
EN 61008-1	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)
EN 61326-1	Electrical equipment for measurement, control and laboratory use. EMC requirements
EN 61439-1	Low-voltage switchgear and controlgear assemblies
EN 61543	Residual current-operated protective devices (RCDs) for household and similar use
EN 61800-3	Adjustable speed electrical power drive systems. EMC requirements
EN 61812-1	Specified time relays for industrial use. Requirements and tests
EN 62040-2	Uninterruptible power systems (UPS). Electromagnetic compatibility (EMC) requirements
EN 62052-11	Electricity metering equipment (AC). General requirements, tests and test conditions. Metering equipment
EN 62052-21	Electricity metering equipment (AC). General





	requirements, tests and test conditions. Tariff and load control equipment
EN 62054-11	Electricity metering equipment (AC). Tariff and load control - electronic ripple control receivers
EN 62054-21	Electricity metering equipment (AC). Tariff and load control - time switches

### **PUBLIC AVAILABILITY OF TECHNICAL REGULATIONS**

The lists of Technical Regulations cited above may be obtained through links at the following Internet address:

<https://gazette.govt.nz/notice/id/2015-go4671>

