CERTIFICATION BODY ACCREDITATION PROGRAM (CBAP)

Scope of Accreditation

Accredited Legal Entity: **Nemko North America Inc.**

Contact Name: Charles Neal

LOCATION A

Address: 2210 Faraday Ave., Suite 150
Carlsbad, CA 92008
USA

Operating From: 303 River Road, R.R. #5
Ottawa, ON
K1V 1H2
Canada

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SCC File Number:	10044
Accreditation Standard:	ISO/IEC 17065:2012 – Conformity assessment — Requirements for bodies certifying products, processes and services
Additional Accreditation Requirement:	SCC Requirements and Guidance – Product, Process, and Service Certification Body Accreditation Program, v5 2021-09-21
Initial Accreditation:	2003-11-24
Most Recent Reaccreditation:	2024-05-03
Accreditation Valid to:	2027-11-24

Additional Fixed Office Locations:

The certification activities conducted by the above-mentioned legal entity at the following locations are also included in this scope of accreditation:

Location	Country	Address	City
B	USA	*Nemko USA, Inc.* *2210 Faraday Ave. Suite 150,* *Carlsbad, CA 92008* *USA*	San Diego

Location	Country	Address	City
C	USA	*Nemko USA, Inc* *1601 N. A.W. Grimes Blvd., Suite B* *Round Rock, Texas 78665* *USA*	Round Rock

Product Certification Scheme:

ISO/IEC 17067, Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, *scheme type 4* most closely resembles the product certification scheme operated by this organization. The surveillance part of this scheme allows for the choice between periodically taking samples of the product from the point of production, or from the market, or from both, and subjecting them to determination activities to check that items produced subsequent to the initial attestation fulfil the specified requirements. The surveillance includes periodic assessment of the production process. This scheme can both indicate the impact of the distribution channel on conformity and provide a pre-market mechanism to identify and resolve serious nonconformities. Significant duplication of effort may take place for those products whose conformity is not affected during the distribution process.

Note: Some certification schemes under this program do not include periodic assessment of the production process (e.g. FCC, ISED, NCC).

Scope of Accreditation:

The scope of accreditation for the above-mentioned legal entity limits the use of the certification mark shown, to products that meet standards classified by the following international classification coding:

ICS No.	Title	Purpose
33.020	Telecommunications in general	Performance
33.030	Telecommunications services. Applications	Performance
33.040	Telecommunications systems	Performance
33.050	Telecommunication terminal equipment	Performance
33.060	Radio-communications	Performance
33.070	Mobile services	Performance

Additional Regulatory Requirements:

Title	Purpose
Innovation, Science and Economic Development Canada (ISEDC) Certification Body Program: • Radio Scope 1 – License-exempt Radio Frequency Devices; • Radio Scope 2 – Licensed Personal Mobile Radio Services; • Radio Scope 3 – Licensed General Mobile and Fixed Radio Services; • Radio Scope 4 – Licensed Maritime and Aviation Radio Services; • Radio Scope 5 – Licensed Fixed Microwave Radio Services; • Radio Scope 6 – Hearing Aid Compatibility and Volume Control	Performance

Title	Purpose
US Federal Communications Commission (FCC) Telecommunications Certification Body Program: • Scope A1 Unlicensed Transmitters • Scope A2 Unlicensed Transmitters>1GHz except Spread Spectrum Devices • Scope A3 Unlicensed PCS • Scope A4 Unlicensed National Information Infrastructure and Spread Spectrum devices • Scope B1 Personal Mobile Radio • Scope B2 General Mobile radio services • Scope B3 Maritime and aviation radio services • Scope B4 Microwave radio services • Scope C Telephone Terminal Equipment	Performance

Title	Purpose
National Communications Commission – Chinese Taipei Public Switched Telephone Network (**PSTN**) • Telephone set • Automatic alarming equipment • Telephone answering machine • Fax machine • Teletypewriter • Remote control equipment • Cordless phone • Digital Low Tier Radio Terminal Equipment • PABX • KTS • CTI • Data equipment • Caller ID terminal equipment • DS1/T1/E1 terminal equipment Public Land Mobile Network (**PLMN**) • Paging Receiver Radio Terminal Equipment • Mobile Data Radio Terminal Equipment • Trunked Radio Terminal Equipment • 1900MHz Digital Low Tier PHS Radio Terminal Equipment • 1900MHz Digital Low Tier PACS Radio Terminal Equipment • 1880-1895MHz Wireless Private Branch Exchange and Radio Terminal Equipment Integrated Service Digital Network (**ISDN**) • ISDN digital telephone • ISDN PC add-on card • ISDN G4 Fax • ISDN video phone • ISDN terminal adaptor • ISDN terminal adaptor module • ISDN PABX • Other ISDN TTE Satellite Personal Communications Networks (**S-PCN**) • 1.6/2.4 GHz Satellite Personal Communications Networks (S-PCN) Mobile Earth Stations (MESs) Low-power RF Device (**LP**) • Devices operating in the frequency band below (including) 1GHz • Devices operating in the frequency band above 1GHz except for Unlicensed National Information Infrastructure Devices, frequency hopping or digitally modulated devices • Device employing frequency hopping or digital modulation techniques or Unlicensed National Information Infrastructure Devices	Performance

Title	Purpose
Office of Telecommunications Authority (OFTA) Hong Kong, China Customer Premises Equipment connected to PSTN • HKTA 2011 ISDN Equipment • HKTA 2015 Digital Leased Circuit Equipment • HKTA 2028 • HKTA 2029 Land Mobile Radio Equipment & CB Radio • HKTA 1002 • HKTA 1010 • HKTA 1046 Cordless telephone • HKTA 1015 Fixed Link Equipment • HKTA 1036 • HKTA 1037 Trunked Radio Equipment • HKTA 1016 Industrial, Scientific and Medical • HKTA 1007 • HKTA 1008 • HKTA 1035 Equipment operating in unlicensed bands of 2.4GHz and 5GHz • HKTA 1039 • HKTA 1042 Equipment operating in unlicensed bands of 6 GHz • HKCA 1081 Short Range Portable Radio (SRPR) and RFID Devices • HKTA 1049 Maritime Mobile Radio Equipment • HKTA 1005 Safety Requirements • HKTA 2001	Performance

Title	Purpose
UK Approved Body: Radio Equipment Regulations 2017 (S.I. 2017/1206) Schedule 3, Module B, Type Examination Product Types: • Aeronautical Equipment • Base Station for Mobile Network • Broadcast (including programme making and outside broadcast) • Citizens Band • Cordless Telephone • Distress/Position indicating beacon • Fixed Link • Fixed Wireless Access • Industrial Scientific and Medical with the scope of the directive • Maritime (for non-SOLAS vessels only) • Mobile (Cellular) Telephone Handsets • Paging (Radio Messaging) • Private/Professional Mobile Radio • Radar • Radio Frequency Identification (RFID) • Radio Local Area Network • Satellite earth station (Fixed mobile) • Short Range Device • Telemetry/Telecommand • Ultra-wideband applications (including ground probing radar) • Wireless Microphone • Radio receivers (including broadcast radio and TV receivers) • Radiodetermination equipment • Radio equipment operating below 9 kHz	Performance

Title	Purpose
EU Notified Body: Radio Equipment Directive 2014/53/EU Module B (Article 17 and Annex III) Essential Requirements Articles: 3.1(a), 3.1(b), 3.2, 3.3(g) (R&TTED Decisions), 3.3(g)(Galileo) Product Types: • Aeronautical Equipment • Base Station for Mobile Network • Broadcast (including programme making and outside broadcast) • Citizens Band • Cordless Telephone • Distress/Position indicating beacon • Fixed Link • Fixed Wireless Access • Industrial Scientific and Medical with the scope of the directive • Maritime (for non-SOLAS vessels only) • Mobile (Cellular) Telephone Handsets • Paging (Radio Messaging) • Private/Professional Mobile Radio • Radar • Radio Frequency Identification (RFID) • Radio Local Area Network • Satellite earth station (Fixed mobile) • Short Range Device • Telemetry/Telecommand • Ultra-wideband applications (including ground probing radar) • Wireless Microphone • Radio receivers (including broadcast radio and TV receivers) • Radiodetermination equipment • Radio equipment operating below 9 kHz	Performance

Ministry of Science and ICT (MSIT), Republic of Korea Radio • Regulations on Radio Equipment (Ordinance of MSIT NO. 86, Jan 4, 2022) • Unlicensed Radio Equipment Established Without Notice (MSIT Public Notification 2023-18, June 20, 2023) • Technical Requirements for Radio Equipment for Maritime Services (RRA Public Notification 2021-20, Nov 17, 2021) • Technical Requirements for Radio Equipment for Aeronautical Services (RRA Public Notification 2023-8, April 19, 2023) • Technical Requirements for Radio Equipment for Telecommunication Services (RRA Public Notification 2022-15, July 29, 2022) • Technical Requirements of the Other Service Radio Equipment for Simple radio station, Space station and Earth station (RRA Public Notification 2023-5, April 3, 2023) • Technical Requirements of Radio Wave Application (RRA Public Notification 2022-28, Dec 30, 2022) • KS X 3123 - Conformity assessment test methods for radio equipment • KS X 3142 - Test Methods for Characteristic of LTE Mobile Radio Equipment • KS X 3270 – Conduction test methods for 5G NR (New Radio) equipment • KS X 3271 – Radiation test methods for 5G NR (New Radio) equipment Electromagnetic Compatibility • Technical Requirements for Electromagnetic Compatibility (RRA Public Notification 2023-13, June 30, 2023) • Test Methods for Electromagnetic Compatibility (RRA Announcement 2023-68, August 17, 2023) • KS C 9811:2019 • KS C 9814-1:2022 • KS C 9815:2023 • KS C 9832:2023 • KS C 9835:2019 • KS C IEC 60601-1-2:2012 • KS C 9610-6-1:2019 • KS C 9610-6-2:2019 • KS C 9610-6-3:2023 • KS C 9610-6-4:2022 • KS C 9814-2:2022 • KS X 3124:2020 • KS X 3137:2014 • KS X 3125:2020	Performance

Title	Purpose
• KS X 3127:2014 • KS X 3128:2014 • KS X 3130:2014 • KS X 3131:2014 • KS X 3136:2014 • KS X 3126:2020 • KS X 3132:2014 • KS X 3139:2014 • KS X 3134:2014 • KS X 3135:2020 • KS X 3138:2015 • KS X 3129:2020 • KS X 3140:2014 • KS X 3143:2020 • KS C 9816-1-1:2022 • KS C 9816-1-2:2022 • KS C 9816-1-3:2022 • KS C 9816-1-4:2020 • KS C 9816-1-5:2020 • KS C 9816-2-1:2020 • KS C 9816-2-2:2020 • KS C 9816-2-3:2020 • KS C 9816-2-4:2017 • KS C 9816-2-5:2020 • KS C 9610-3-2:2020 • KS C 9610-3-12:2020 • KS C 9610-3-3:2020 • KS C 9610-3-11:2017 • KS C 9610-4-2:2017 • KS C 9610-4-3:2017 • KS C 9610-4-4:2020 • KS C 9610-4-5:2020 • KS C 9610-4-6:2020 • KS C 9610-4-8:2017 • KS C 9610-4-11:2020 • KS C 9610-4-9:2019 • KS C 9610-2-2:2017 • KS C 9610-2-4:2017	

Specific Absorption Rate • Technical Requirements for Measurement and Test Procedure of Specific Absorption Rate (RRA Public Notification 2018-18, Dec 7, 2018) • Equipment to be Subject of Test Procedure for Electromagnetic Field Strength and Specific Absorption Rate (RRA Public Notification 2023-12, June 30, 2023) • Technical Requirements for the Human Protection against Electromagnetic Waves (MSIT Public Notification 2019-4, Jan 16, 2019) **Electromagnetic Field Strength** • Technical Requirements for Measurement of Electromagnetic Field Strength (RRA Public Notification 2023-11, June 30, 2023) • Equipment to be Subject of Test Procedure for Electromagnetic Field Strength and Specific Absorption Rate (RRA Public Notification 2023-12, June 30, 2023) Technical Requirements for the Human Protection against Electromagnetic Waves (MSIT Public Notification 2019-4, Jan 16, 2019)	Performance

Product Certification Scheme:

Accreditation for the purpose of Notified Body activity, pursuant to the Conformity Assessment Protocol in the Canada-European Union Comprehensive Economic and Trade Agreement (CETA)

Note: SCC takes into account EA 02/17.

Directive/Regulation:
Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) 2014/34/EU

Conformity assessment modules:
- EU-type examination (Module B)
- Conformity to type based on quality assurance of the production process (Module D)
- Conformity to type based on product quality assurance (Module E)
- Conformity based on unit verification (Module G)

Products	Procedures	Articles/ Annexes	Standards
Group I electrical: - - Category M1 equipment	EU-type examination (Module B)	Annex III Annex IV Annex VII Annex IX	**EN 60079-0** Explosive atmospheres - Part 0: Equipment - General requirements

Products	Procedures	Articles/ Annexes	Standards
- - Category M2 equipment - - Protective systems - - Safety devices, controlling devices & regulating devices - - Components Group I non-electrical: - - Category M1 equipment - - Category M2 equipment - - Protective systems - - Safety devices, controlling devices & regulating devices - - Components Group II dust electrical: - - Category 1 equipment - - Category 2 equipment - - Category 3 equipment - - Protective systems - - Safety devices, controlling devices & regulating devices - - Components	Conformity to type based on quality assurance of the production process (Module D) Conformity to type based on product quality assurance (Module E) Conformity based on unit verification (Module G)		**EN 60079-1** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures 'd' **EN 60079-2** Explosive atmospheres - Part 2: Equipment protection by pressurized enclosures 'p' **EN 60079-5** Explosive atmospheres - Part 5: Equipment protection by powder filling 'q' **EN 60079-6** Explosive atmospheres - Part 6: Equipment protection by oil immersion 'o' **EN 60079-7** Explosive atmospheres - Part 7: Equipment protection by increased safety 'e' **EN 60079-11** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety 'i' **EN 60079-15** Explosive atmospheres - Part 15: Equipment protection by type of protection 'n' **EN 60079-18** Explosive atmospheres - Part 18: Equipment protection by encapsulation “m” **EN 60079-25** Explosive atmospheres - Part 25: Intrinsically safe electrical systems **EN 60079-28** Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation **EN 60079-31** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'

Products	Procedures	Articles/ Annexes	Standards
Group II gas electrical: - - Category 1 equipment - - Category 2 equipment - - Category 3 equipment - - Protective systems - - Safety devices, controlling devices & regulating devices - - Components Group II dust electrical: - - Category 1 equipment - - Category 2 equipment - - Category 3 equipment - - Protective systems - - Safety devices, controlling devices & regulating devices - - Components			**EN ISO 80079-36** Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements **EN ISO/IEC 80079-34** Explosive atmospheres - Part 34: Application of quality systems for equipment manufacture (ISO/IEC 80079-34) **EN ISO/IEC 80079-37** Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"

Certification Mark:

Nemko * N **

* Only for type 3 certifications

** For all schemes

Products certified under this certification system type prior to 2016-08-01 utilized the certification mark shown below:

Product Certification Scheme:

ISO/IEC 17067, Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, *scheme type 1b* most closely resembles the product certification scheme operated by this organization. This scheme type involves the certification of a whole batch of products, following selection and determination as specified in the scheme. The proportion to be tested, which can include testing of all the units in the batch (100% testing), would be based, for example, on the homogeneity of the items in the batch and the application of a sampling plan, where appropriate. If the outcome of the determination, review and decision is positive, all items in the batch may be described as certified and may have a mark of conformity affixed, if that is included in the scheme.

ISO/IEC 17067, Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, *scheme type 3* most closely resembles the product certification scheme operated by this organization. The surveillance part of this scheme involves periodically taking samples of the product from the point of production and subjecting them to determination activities to check that items produced subsequent to the initial attestation fulfil the specified requirements. The surveillance includes periodic assessment of the production process. This scheme does not provide any indication of the impact the distribution channel plays on conformity. When serious nonconformities are found, the opportunity may exist to resolve them before widespread market distribution occurs.

Note: Some certification schemes under this program do not include periodic assessment of the production process (e.g. EPA, ISED, NCC).

Scope of Accreditation:

The scope of accreditation for the above-mentioned legal entity limits the use of the certification mark shown, to products that meet standards classified by the following international classification coding:

ICS No.	Title	Purpose
11.040.01	Medical equipment in general	Electrical Safety and Performance

ICS No.	Title	Purpose
11.040.10	Anaesthetic, respiratory and reanimation equipment	Electrical Safety and Performance
11.040.20	Transfusion, infusion and injection equipment	Electrical Safety and Performance
11.040.30	Surgical instruments and materials	Electrical Safety and Performance
11.040.50	Radiographic equipment	Electrical Safety and Performance
11.040.55	Diagnostic equipment	Electrical Safety and Performance
11.040.60	Therapy equipment	Electrical Safety and Performance
11.060.20	Dental equipment	Electrical Safety and Performance
11.040.99	Other medical equipment	Electrical Safety and Performance
11.080.10	Sterilizing equipment	Electrical Safety and Performance
11.140	Hospital equipment	Electrical Safety and Performance
19.080	Electrical and electronic testing	Electrical Safety
23.080	Pumps	Electrical Safety
23.120	Ventilators. Fans. Air-conditioners	Electrical Safety
25.040.40	Industrial process measurement and control	Electrical Safety
29.130.01	Switchgear and controlgear in general	Electrical Safety
29.140.40	Luminaires	Electrical Safety
29.260.20	Electrical apparatus for explosive atmospheres	Electrical Safety
33.040	Telecommunication systems	Electrical Safety and Performance
33.040.20	Transmission systems	Electrical Safety and Performance
33.040.30	Switching and signalling systems	Electrical Safety and Performance

ICS No.	Title	Purpose
33.050.10	Telephone equipment	Electrical Safety Performance
33.050.30	Equipment for telex, teletext, telefax	Electrical Safety and Performance
33.160.01	Audio, video and audiovisual systems in general	Electrical Safety
33.160.10	Amplifiers	Electrical Safety
33.160.20	Radio receivers	Electrical Safety
33.160.25	Television receivers	Electrical Safety
33.160.30	Audio systems	Electrical Safety
33.160.40	Video systems	Electrical Safety
33.160.50	Accessories	Electrical Safety
33.160.60	Multimedia systems and teleconferencing equipment	Electrical Safety
35.020	Information technology (IT) in general	Electrical Safety
71.040.10	Chemical laboratories. Laboratory equipment	Electrical Safety and Performance
71.040.20	Laboratory ware and related apparatus	Electrical Safety
97.030	Domestic electrical appliances in general	Electrical Safety
97.040.20	Cooking ranges, working tables, ovens and similar appliances	Electrical Safety
97.040.30	Domestic refrigerating appliances	Electrical Safety
97.040.40	Dishwashers	Electrical Safety
97.040.50	Small kitchen appliances	Electrical Safety
97.060	Laundry appliances	Electrical Safety
97.080	Cleaning appliances	Electrical Safety

ICS No.	Title	Purpose
97.100	Domestic, commercial and industrial heating appliances	Electrical Safety
97.100.10	Electric heaters	Electrical Safety
97.130.20	Commercial refrigerating appliances	Electrical Safety
97.170	Body care equipment	Electrical Safety
97.200.40	Playgrounds	Electrical Safety

Certification Mark:

Product Certification Scheme:

ISO/IEC 17067, Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, *scheme type 4* most closely resembles the product certification scheme operated by this organization. The surveillance part of this scheme allows for the choice between periodically taking samples of the product from the point of production, or from the market, or from both, and subjecting them to determination activities to check that items produced subsequent to the initial attestation fulfil the specified requirements. The surveillance includes periodic assessment of the production process. This scheme can both indicate the impact of the distribution channel on conformity and provide a pre-market mechanism to identify and resolve serious nonconformities. Significant duplication of effort may take place for those products whose conformity is not affected during the distribution process.

Note: Some certification schemes under this program do not include periodic assessment of the production process (e.g. EPA, NRCan).

Scope of Accreditation:

The scope of accreditation for the above-mentioned legal entity limits the use of the certification mark shown, to products that meet standards classified by the following international classification coding:

ICS No.	Title	Purpose
23.120	Ventilators, fans, air-conditioning	Energy Efficiency

ICS No.	Title	Purpose
29.120.99	Other electrical accessories	Energy Efficiency
29.140.10	Lamp caps and holders	Energy Efficiency
29.140.20	Incandescent lamps	Energy Efficiency
29.140.30	Fluorescent lamps. Discharge Lamps	Energy Efficiency
29.140.40	Luminaires	Energy Efficiency
29.200	Rectifiers. Converters. Stabilized power supply	Energy Efficiency
31.120	Electronic display devices	Energy Efficiency
33.050.99	Other telecommunication terminal equipment	Energy Efficiency
33.160.25	Television receivers	Energy Efficiency
33.160.99	Other audio, video and audiovisual equipment	Energy Efficiency
35.020	Information technology (IT) in general	Energy Efficiency
35.160	Microprocessor systems	Energy Efficiency
35.200	Interface and interconnection equipment	Energy Efficiency
35.220.99	Other data storage devices	Energy Efficiency
37.100.10	Reproduction equipment	Energy Efficiency
91.140.30	Ventilation and air-conditioning in buildings	Energy Efficiency
91.160.10	Interior Lighting	Energy Efficiency
91.160.20	Exterior Building Lighting	Energy Efficiency
97.040.30	Domestic refrigerating appliances	Energy Efficiency
97.130.20	Commercial refrigerating appliances	Energy Efficiency
97.180	Miscellaneous domestic and commercial equipment	Energy Efficiency

Product Certification Scheme:

ISO/IEC 17067, Conformity assessment - Fundamentals of product certification and guidelines for product certification schemes, *scheme type 1a* most closely resembles the product certification scheme operated by this organization. In this scheme, one or more samples of the product are subjected to the determination activities. A certificate of conformity or other statement of conformity (e.g. a letter) is issued for the product type, the characteristics of which are detailed in the certificate or a document referred to in the certificate. Subsequent production items are not covered by the certification body's attestation of conformity. The samples are representative of subsequent production items which could be referred to by the manufacturer as being manufactured in accordance with the certified type. The certification body may grant to the manufacturer the right to use the type certificate or other statement of conformity (e.g. letter) as a basis for the manufacturer to declare that subsequent production items conform to the specified requirements.

Scope of Accreditation:

The scope of accreditation for the above-mentioned legal entity limits the use of the certification mark shown, to products that meet standards classified by the following international classification coding:

ICS No.	Title	Purpose
13.020.01	Environment and environmental protection in general	Environmental
13.030.10	Solid wastes	Environmental
31.020	Electronic components in general	Environmental
43.040.10	Electrical and electronic equipment	Environmental

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC) to Nemko North America Inc. The original version is available in the Directory of Accredited Product, Process and Service Certification Bodies on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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