August 1, 2025

Nemko North America, Inc.

303 River Road, Ottawa, ON K1V 1H2 Canada

Attn: Director of Certification

Family Certification request letter

We are writing to request Family Certification for the following models associated with our product:

- **FCC ID:** 2AE7J-ESC

- **ISED Certification Number:** IC: 20368-ESC

- **HVIN/Model number:** ESC3100, ESC3101, ESC3103, ESC3104, ESC3105

- **PMNs/Model names:** BTS, DTS, STS, STC, DTU

- **Product rescription:** IoT Sensors

While these models share similarities, there are minor modifications that need to be documented. Below, we provide the necessary details:

North America	LATAM	EMEA	UK / Ireland	APAC	QFZ Branch	India
+1 (941) 907-9128	+1 (941) 704-4445	+44 (0) 843 507 0099	+44 (0) 843 507 0099	+1 (941) 704-4445	+974 4002 4420	+91 22 4969 0921
info@iriss.com	info-latam@iriss.com	info-emea@iriss.com	info-ukir@iriss.com	info-apac@iriss.com	info-mena@iriss.com	info-india@iriss.com

www.IRISS.com

1. **Electrical Differences:**

☐ The models are electrically identical.

☒ Although the circuitry and components are largely identical, there are specific variations between the models. These differences include:

- o Different Pluggable Sensors:

    - ESC3100 – BTS (Ambient Temperature and Humidity, and Vibration Sensor)

    - ESC3101 – DTS (Ambient and Internal Temperature and Humidity Monitoring)

        ESC3105 – DTU (Ambient and Internal Temperature and Humidity, and Ultrasound Monitoring)

        ESC3101 and ESC3105 are electrically identical units. Software Disable/Enable Ultrasound sensor

    - ESC3103 – STS (Ambient Temperature and Humidity and Surface Temperature Monitoring)

    - ESC3104 – STC (Ambient and Surface Temperature and Humidity, and Current Monitoring)

        ESC3103 and ESC3104 are electrically identical units. Software Disable/Enable Current sensor

2. **Antenna Type and Gain:**

☒ All models share the same antenna type and gain.

☐ All models share the same antenna type, but there may be slight variations in gain.

3. **Enclosure Details:**

☐ The enclosures are consistent across models.

☒ The enclosures exhibit minor differences. These include:

    - Plug-Ins may have a slightly different shape.

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Test Results Applicability:

The test results obtained for one model within this family can be applied to all other models, considering their similarities. However, any significant differences (e.g., frequency bands, power levels, or functionality) must be clearly documented.

We appreciate your attention to this matter and look forward to a prompt review of our Family Certification request. If you require any additional information or clarification, please do not hesitate to contact us.

Sincerely,

Signed by: *Luke Robinson*

Signature

Luke Robinson

Print name

VP of IoT Solutions

Title

(941) 907-9128

Phone