TÜV Rheinland Nederland B.V.

ACB
Certification Department
6731 Whittier Avenue, Suite C110
McLean, Virginia 22101
USA

To whom it may concern,

On behalf of our customer INID BV, we hereby would
like to apply for a Limited (Single) Modular Approval for the following device:

FCC ID   : YAB-NGRPAOLFA
IC   : 8908A-NGRPAOLFA
Brand   : INID
Model   : 4000A
Description : An Inductive Proximity Card Reader add-on module
                operating in the range 115 - 148 kHz.

See following page for the details of the host of which this application applies.
The module is limited in the following items:

This modular transmitter does not comply with the requirements in Section
15.212(a)(1) of the FCC Rules and for Industry Canada RSP-100, Issue 10,
section 7.3, it deviates on the following subsections:

-   It does not have RF shielding, it is a LF application and it wouldn't be
    practical to implement a RF shielding because that would make
    operation of the whole device impossible. Highest frequency that occur
    on the module can be 592 kHz, a clock signal from the host device.
-   Depends on power supply by the host. A regulated power supply of 5V
    and 3.3V is required. 1.8V is generated from the 3.3V supply by an
    onboard linear LDO regulator.
-   Can not be tested in Stand Alone configuration, it requires the host
    which has been certified with:
    FCC ID: YAB-ISOACRDR IC: 8908A-ISOACRDR.
-   Limited in use to the host mentioned on the following page (attestation)

The installation manual states that the installation procedure is only allowed for
trained and authorized personnel by INID BV.
All other requirements are met.

Best regards,

TÜV Rheinland Nederland B.V.

R .van der Meer
Test Engineer

Attestation of Similarity

The **INID ISO14443** reader product family consists of different models that incorporate an identical main PWA (**NGRP-AC**) that has integral: Power Section, I/O Section, Digital Processing Section, RF Section and Antenna. The main PWA has an integral RF amplifier and optional integral keyboard. The integral I/O Section of the main PWA is equipped with one out of four possible interfaces, a special model has two interfaces that are software selectable. This main board is then placed within different plastic enclosures that do not impact compliance for Safety, Radio, Emissions and immunity requirements. In addition, other PWA's may be added to the main PWA integral to the plastic enclosure to add functionality to the device (e.g. a SAM interface, 125kHz proximity reader module, biometrics). In cases where the basic geometries may affect compliance, prescans are performed in order to identify the worst case model. All Engineering justifications and/or compliance impacts are addressed within the report in the form of additional testing and/or notes.

The **INID MultiSmart** reader product family consists of different models that incorporate the 50XX INID ISO14443 reader (FCC ID: YAB-ISOACRDR / IC: 8908A-ISOACRDR) and the 4000A NGRP AOLF add-on module (FCC ID: YAB-NGRPAOLFA / IC: 8908A-NGRPAOLFA).

– Model 50XX –

Reader Type #1 – Mullion with Keypad – 13.56MHz Reader with RF amplifier

Model number	Enclosure	Main PWA	RF amp	Keyboard	WG C&D TTL	RS485	RS422	RS232	PWA #2
5040	Plastic	NGRP-AC	Y	Y	Y	-	-		N/A
5040A	Plastic	NGRP-AC	Y	Y	software selected		-		N/A
5050	Plastic	NGRP-AC	Y	Y	-	Y	-		N/A
5060	Plastic	NGRP-AC	Y	Y	-	-	Y		N/A
Differences	These models only differ in the integral I/O section on the PWA.								

Reader Type #2 – Mullion – 13.56MHz Reader with RF amplifier

Model number	Enclosure	Main PWA	RF amp	Keyboard	WG C&D TTL	RS485	RS422	RS232	PWA #2
5000	Plastic	NGRP-AC	Y	-	Y	-	-		N/A
5000A	Plastic	NGRP-AC	Y	-	software selected		-		N/A
5010	Plastic	NGRP-AC	Y	-	-	Y	-		N/A
5020	Plastic	NGRP-AC	Y	-	-	-	Y		N/A
Differences	1. These models only differ in the integral I/O section on the PWA. 2. The only difference with **reader type #1** is the absence of the keyboard.								

Reader Type #3 – Mullion with Keypad – 13.56MHz Reader with RF amplifier and LF proximity Reader

Model number	Enclosure	Main PWA	RF amp	Keyboard	WG C&D TTL	RS485	RS422	RS232	PWA #2
5045B	Plastic	5040	Y	Y	Y	-	-		4000A
5045H	Plastic	5040A	Y	Y	software selected		-		4000A
5055B	Plastic	5050	Y	Y	-	Y	-		4000A
5065H	Plastic	5060	Y	Y	-	-	Y		4000A
Differences	These models only differ in the integral I/O section on the PWA.								

Reader Type #4 – Mullion – 13.56MHz Reader with RF amplifier and LF proximity Reader

Model number	Enclosure	Main PWA	RF amp	Keyboard	WG C&D TTL	RS485	RS422	RS232	PWA #2
5005B	Plastic	5000	Y	-	Y	-	-		4000A
5005H	Plastic	5000A	Y	-	software selected		-		4000A
5015B	Plastic	5010	Y	-	-	Y	-		4000A
5025H	Plastic	5020	Y	-	-	-	Y		4000A
Differences	1. These models only differ in the integral I/O section on the PWA. 2. The only difference with **reader type #3** is the absence of the keyboard.								

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Supporting product photos are on the following pages, under the signature below

May 28th, 2015

Company Representative Signature:
Mark de Olde / Chief Technical Officer

Statement date:

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Product photos

left: INID ISO14443 reader
(models: 5000, 5000A, 5005B, 5005H, 5010, 5015B, 5020, 5025H)

right: INID ISO14443 PIN reader
(models: 5040, 5040A, 5045B, 5045H, 5050, 5055B, 5060, 5065H)

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left: INID ISO14443 reader (model 5000A shown), connector side
middle: INID ISO14443 reader (all models), keyboard side without keyboard.
right: INID ISO14443 PIN reader (all models), keyboard side with keyboard
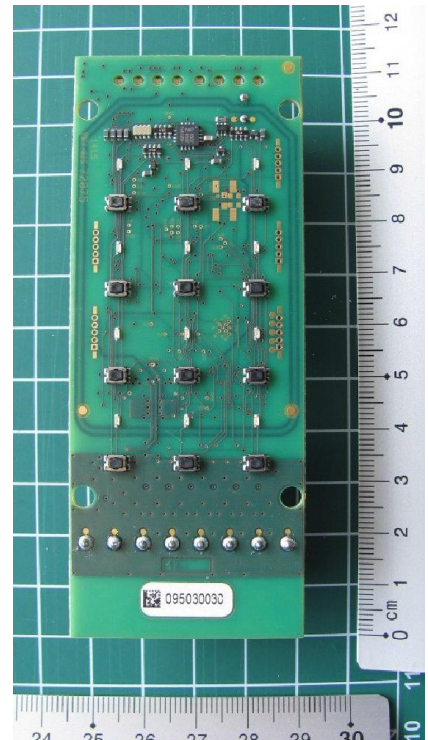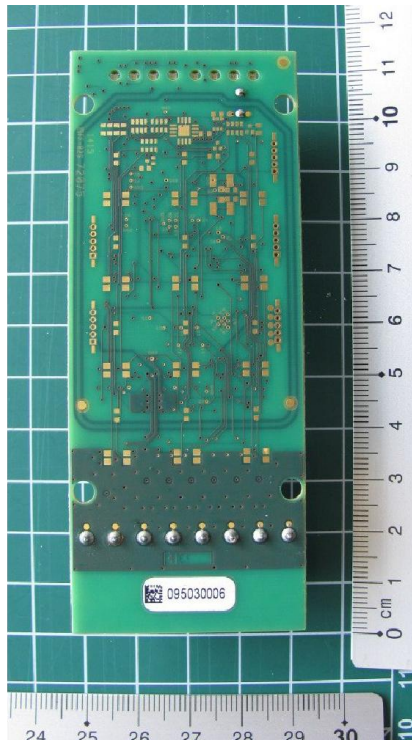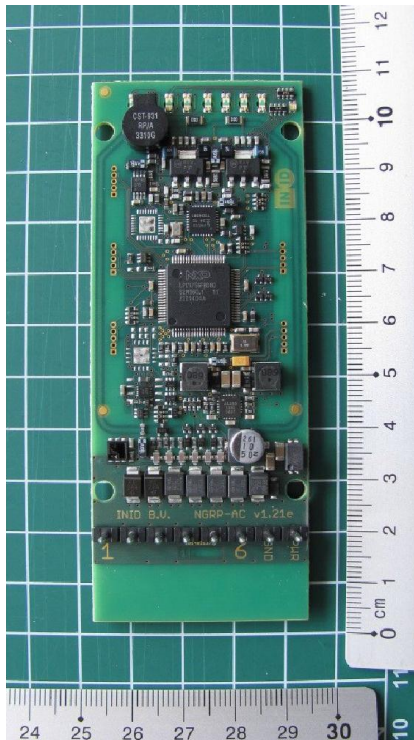
left: INID MultiSmart reader (all models) with 4000A NGRP-AOLF module, connector side
middle: 4000A NGRP-AOLF module, component side
right: 4000A NGRP-AOLF module, antenna side