



## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate supersedes certificate number 06/20044 (E2) issued on 26.10.2016 which is hereby cancelled.

This certificate is issued to:

**PRODUCER** ComAp a.s.  
U Uranie 1612/14a  
17000 Prague 7  
Czech Republic

**DESCRIPTION** IntelliDrive Marine Engine Control and Monitoring System

### TYPE

Type	Description	Order Code	HW Version
ID-DCU-Marine	InteliDrive Central Unit	ID-MCU-3818237	1.0.1
ID-RPU	InteliDrive Redundancy Protection Unit		2.0
ID-COM	InteliDrive Communication Interface	ID-COM-3818364	1.1
I-RB16	Relay Board	I- RB-3818362	1.0
I-RD-CAN	InteliDrive Remote Display (Slave Panel)	I-RP-3818358	2.0

**Certificate No.** 06/20044 (E3)  
**Issue Date** 24 July 2017  
**Expiry Date** 05 November 2021  
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Jörn Brüggemann  
Hamburg Technical Support Office  
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

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**Type continued**

Type	Description	Order Code	HW Version
IS-AIN8	Extension Module – 8 Analogue Inputs		5.2
IS-BIN16/8	Extension Module – 16 Binary Inputs, 8 Binary Outputs		3.0
IGS-PTM	Extension Module – 8 Binary In- and Outputs, 4 Analogue Inputs, 1 Analogue Output		2.2
IGL-RA15	External LED Indication Panel		1.3
IG-MU	Multiple Engines Modem Interface		2.0
IG-IB	Internet Interface (Internet Bridge)		2.0
Inteli Vision 12Touch OEM	Color Multi Touch Display		1.0

**Firmware:**

**Basic:**

- ID-DCU-Marine-2.x.mhx
- ID-DCU-Marine-W-2.x.mhx

**Application:**

- DCU-Marine-AUX-2.x.aid (auxiliary)
- DCU-Marine-CMB-2.x.aid (combined, harbour + emergency)
- DCU-Marine-EME-2.x.aid (emergency duty)
- DCU-Marine-PRP-2.x.aid (variable speed)
- DCU-Marine-W-AUX-2.x.aid (auxiliary)
- DCU-Marine-W-CMB-2.x.aid (combined, harbour + emergency)
- DCU-Marine-W-EME-2.x.aid (emergency duty)
- DCU-Marine-W-PRP-2.x.aid (variable speed)

Maintenance of firmware described in document "New features of ID-DCU Marine 2.x."

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#### APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002 applied for ID-DCU-Marine, ID-RPU, ID-COM, I-RB16, I-RD-CAN, IS-AIN8, IS-BIN16/8, IGS-PTM, IGL-RA15, IG-MU, IG-IB.

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2015 applied for Intel Vision 12Touch OEM.

#### ADDITIONAL TESTS

Intel Vision 12Touch OEM: Compass safe distance: IEC60945:2002 (Deviation 5,4° minimum 80cm, Deviation 18° minimum 55cm)

#### STANDARD

Manufacturer's Specifications

#### OTHER CONDITIONS

The complete installation and application software/ engine parameterisation is subject to separate plan appraisal according applicable Rules and Regulations, when installed on LR classed vessels. Application software development and software version is to be documented according applicable Rules and Regulations.

Ambient temperature range\* and vibration level and IP ratings given in the manufacturer's data sheet have not been supported by documentary evidence.

\*Evidence for upper limit of temperature range for Intel Vision 12Touch OEM given in the manufacturer's data sheet have not been supported by documentary evidence.

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If used in marine and offshore applications ID-DCU must be used together with ID-RPU.

**PLACE OF PRODUCTION**

1. Torola electronics s.r.o.  
Nádražní 906  
74401 Frenštát pod Radhoštěm,  
Czech Republic
2. Nvision Czech Republic a.s.  
Klášteří 1,  
259 01 Votice  
Czech Republic

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 35587-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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