IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx LCI 10.0044X issue No.:0	Certificate history:
Status:	**Current**	
Date of Issue:	**2010-12-03**	Page 1 of 3

Applicant: **COMUFRANCE**
62 avenue de l'Europe
77184 EMERAINVILLE
France

Electrical Apparatus: **Communication set for portable TX/RX transceivers**
Optional accessory:

Type of Protection: **ib**

Marking:

COMUFRANCE
F - EMERAINVILLE
Type : COMU (*)
Serial Number :...Year of construction :...
Ex ib IIC T4
IECEx LCI 10.0044X
-25°C ≤ Ta ≤+55°C
Li ≈ 0 Ci ≈ 0
Ui ≤ 10V Ii ≤ 2,5A Pi ≤ 3,37W
(*) Completed by one of following models :
COMU MM 12, MM 13, MM 14, ARI, MM 15, EC0, ECM 00, ECM 00 AI and ECM 00 AL

Approved for issue on behalf of the IECEx Certification Body: Marc GILLAUX

Position: Certification Manager

Signature:
(for printed version) Rémi HANOT

Date: 23 DEC. 2010

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France

L C I E

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Certificate No.: IECEx LCI 10.0044X

Date of Issue: **2010-12-03** Issue No.: **0**

Manufacturer:

COMUFRANCE
62 avenue de l'Europe
77184 EMERAINVILLE
France

Manufacturing location(s):

COMUFRANCE
62 avenue de l'Europe
77184 EMERAINVILLE
France

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

FR/LCI/ExTR10.0045/00

Quality Assessment Report:

FR/LCI/QAR10.0009/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

Operating acoustic offsets are mounted on the plastic ear muffs of different models. They are powered by energy available on the accessories sock of portable TX/RX transceivers.
See table below for type of equipment :

Codification	sets with electronic board	sets without electronic board
MM12		MM12 (JD/PC-500X)
MM13	MM13	MM13
MM14	MM14	MM14
MM15	MM15 ; MM35	MM15
ARI	ARI01	ARI01
EC0 ; EC0-A ; EC0-SN		MM15
EC 00 ; EC 00-A ; EC 00-SN		MM15
EC 00 AI ; EC 00 AI-A ; EC 00 AI-SN	MM15 ; MM35	MM15
EC 00 AL ; EC 00 AL-A ; EC 00 AL-SN	MM15	MM15

CONDITIONS OF CERTIFICATION: YES as shown below:

- Ambient temperature : -25°C ≤ Ta ≤+55°C

- The Communication sets type COMU MM 12, MM 13, MM 14, ARI, MM 15, EC0, ECM 00, ECM 00 AI and ECM 00 AL could be connected to all types of intrinsic safety certified transceivers whose accessories sockets should not exceeded any following parameters :
Uo ≤ 10V I_o ≤ 2,5A Po ≤ 3,37W