telefication

Certificate of
constancy of performance
0560-CPR-202190020
Issue: 00

CERTIFICATE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

Product description: **Harman VACIE**
Trademark: **Harman VACIE**
Type designation: **EN54-16 VACIE**
Serial No: **1**
Hardware / Software version: **1.3 / 1.3**
Conditions and essential characteristics: See Annex 1
Variants: See Annex 1

placed on the market under the name or trademark of:

Name of the manufacturer: **Harman International**
Address: **44 Atlantic St**
City: **CT 06901 Stamford**
Country: **USA**

and produced in the manufacturing plant(s):

Manufacturing plant: **Harman TJ**
Address: **Sor Juana Inés de la Cruz,**
City: **22435 Tijuana**
Country: **Mexico**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

 EN 54-16:2008

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the **constancy of performance of the construction product**.

This certificate was first issued on 2020-02-07 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Ronald Karel
Managing director

Remarks and observations

The following conditions are applicable:

The Harman VACIE is compliant to the EN 54-16:2008 when the equipment is installed in one or more standard 19-inch rack(s) to the following specification:

1. Lockable front door (to provide access level 2)
2. Multiple cabinets must be connected together using cabling types and topology approved by the relevant voice alarm code of practice
3. The rack must be protected to IP30 as specified in EN 60529:1991+A1:2000 The rack cabinet must be of heavy-duty construction with a fully welded rack frame.
4. The cabinet must comply with mechanical dimensions as specified in EN 60297-3-100

Presence of the AMX NX3200 (which is non-VACIE equipment) within the rack during testing showed that it does not harm the operation of the VACIE and therefore it can be used for non-emergency functions.

Essential characteristics of EN 54-16:	Clauses:	Performance
Performance under fire condition	4, 5, 7, 10, 12, 16.5, 16.6, 16.7	Pass
Response delay (response time to fires)	7.1, 7.4, 7.8, 12	Pass
Operational reliability	4, 5, 6, 7, 8, 11, 12, 13, 14	Pass
Durability of operational reliability temperature resistance	16.4, 16.8	Pass
Durability of operational reliability Impact and vibration resistance	16.11, 16.12, 16.13	Pass
Durability of operational reliability electrical stability	16.14, 16.15	Pass
Durability of operational reliability humidity resistance	16.9 ,16.10	Pass

Implemented optional functions with requirements (per clause of EN 54-16):
7.3 Audible warning
7.5 Phased evacuation
7.6.2 Manual silencing of the voice alarm condition
7.7.2 Manual reset of the voice alarm condition
7.9 Voice alarm condition output
8.4 Indication of fault related to voice alarm zones
10 Voice alarm manual control
11 Interface to external control device(s)
12 Emergency microphone(s)

The product as described in this Certificate of Constancy of Performance includes the following type designations:

- Product description: Harman VACIE
- Trademark: Harman VACIE
- Type designation: EN54-16 VACIE
- Hardware version: 1.3
- Software version: 1.3
- Serial number: 1

- Product description: BSS BLU-806
- Trademark: Harman
- Type designation: Audio Processor
- Hardware version: A.11
- Software version: 86.04.2

- Product description: BSS BLU-326
- Trademark: Harman
- Type designation: Audio Processor
- Hardware version: A.6
- Software version: 86.04.2

- Product description: BSS BLU-160
- Trademark: Harman
- Type designation: Audio Processor
- Hardware version: A.11
- Software version: 86.04.2

- Product description: BSS BLU-120
- Trademark: Harman
- Type designation: Audio Processor
- Hardware version: A.6
- Software version: 86.04.2

- Product description: BSS BLU-GPX
- Trademark: Harman
- Type designation: Control Processor
- Hardware version: A.11
- Software version: 86.04.2

- Product description: BSS BLU-DAN
- Trademark: Harman
- Type designation: Converter
- Hardware version: A.12
- Software version: 86.04.2

- Product description: Crown DCi 4|1250 DA
- Trademark: Harman
- Type designation: Amplifier
- Hardware version: B.2
- Software version: 1.0.2.19

- Product description: Crown DCi 8|600 DA
- Trademark: Harman
- Type designation: Amplifier
- Hardware version: B.2
- Software version: 1.0.2.19

- Product description: Crown DCi 8|300 DA
- Trademark: Harman
- Type designation: Amplifier
- Hardware version: A.3
- Software version: 1.0.2.19

- Product description: Crown DCi 4|600N
- Trademark: Harman
- Type designation: Amplifier
- Hardware version: A.3
- Software version: 1.0.3.1

- Product description: Crown DCi 4|300N
- Trademark: Harman
- Type designation: Amplifier
- Hardware version: A.3
- Software version: 1.0.3.1

- Product description:	Crown DCi 2|600N
- Trademark:	Harman
- Type designation:	Amplifier
- Hardware version:	A.3
- Software version:	1.0.3.1

- Product description:	Crown DCi 2|300N
- Trademark:	Harman
- Type designation:	Amplifier
- Hardware version:	A.3
- Software version:	1.0.3.1

- Product description:	For other compliant components see certificate 0560-CPR-182190006
- Type designation:	-

Applied Standards