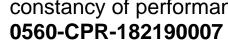


Certificate of constancy of performance





Issue: 00

Issued 05 December 2018 Replaces

First issued Page 1 of 2

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: **VACIE** Trademark: **RCS** Family name: **VARES** Type designation: **VARES-1500** V2.0 / V3.1 Hardware / Software version: 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: **RCS Audio-Systems GmbH Gewerbepark Markfeld 5** Address: City: 83043 Bad Aibling

Country: Germany

and produced in the manufacturing plant(s):

Manufacturing plant: Hacousto Holland B.V.

Address: **Industrieweg 87**

2651 BC BERKEL EN RODENRIJS City:

Country: **Netherlands**

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 EN 54-4/A2

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 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Luc Leroy Managing director

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Annex 1 to Certificate of Constancy of Performance

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Remarks and observations

The following conditions are applicable:

Essential characteristics of EN 54-16: Clauses: Performance Performance under fire condition 4, 5, 7, 10, 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, 9, 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

Essential characteristics of EN 54-4: Clauses:

7.9 Voice alarm condition output

8.4 Indication of fault related to voice alarm zones

10 Voice alarm manual control

12 Emergency microphone(s)

13.14 Redundant power amplifiers

Performance of power supply 4, 5, 6 **Pass** 4, 5, 6, 7, 8 Pass Operational reliability Durability of operational reliability temperature resistance 9.5 Pass Durability of operational reliability vibration resistance 9.7, 9.8, 9.15 Pass Durability of operational reliability

electrical stability

9.9 to 9.13 Pass

Durability of operational reliability

9.6, 9.14 humidity resistance **Pass**

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

Performance

- Product description: **VACIE** - Trademark: **RCS VARES** - Family name: - Type designation: **VARES-1500** - Hardware version: V2.0 - Software version: V3.1