



Certificate of  
constancy of performance  
**0560-CPR-182190007**  
**Issue: 00**

Issued 05 December 2018

Replaces

First issued

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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**  
Hardware / Software version: **V2.0 / V3.1**  
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**  
Address: **Gewerbepark Markfeld 5**  
City: **83043 Bad Aibling**  
Country: **Germany**

and produced in the manufacturing plant(s):

Manufacturing plant: **Hacousto Holland B.V.**  
Address: **Industrieweg 87**  
City: **2651 BC BERKEL EN RODENRIJS**  
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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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

## 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  
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

Essential characteristics of EN 54-4:	Clauses:	Performance
Performance of power supply	4, 5, 6	Pass
Operational reliability	4, 5, 6, 7, 8	Pass
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		
humidity resistance	9.6, 9.14	Pass

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

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