



Certificate of  
constancy of performance  
**0560-CPR-222190018**  
**Issue: 00**



Issued	24-02-2023	Replaces	-
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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:	d&b VACIE
Trademark:	d&b VACIE
Type designation:	EN 54-16 VACIE
Hardware / Software:	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:	d&b audiotechnik GmbH & Co. KG
Address:	Eugen-Adolff-Straße 134
City:	71522 Backnang
Country:	Germany

and produced in the manufacturing plant(s):

Manufacturing plant:	d&b audiotechnik GmbH & Co. KG
Address:	Eugen-Adolff-Straße 134
City:	71522 Backnang
Country:	Germany

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 27-01-2023 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

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Managing director

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<https://www.kiwa.com/nl/en/specials/fire-safety-and-security>

Notified Body No. 0560



**Remarks and observations**

The following conditions are applicable:

The d&b 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 includes the following type designations**

- Product description: d&b VACIE
- Trademark: d&b VACIE
- Type designation: EN 54-16 VACIE
- Hardware version: 1.3
- Software version: 1.3

- Product description: d&b 10D
- Trademark: d&b
- Type designation: Amplifier

- Hardware version: 11  
- Software version: 2.28

- Product description: d&b 30D  
- Trademark: d&b  
- Type designation: Amplifier  
- Hardware version: 11  
- Software version: 2.28

- Product description: d&b D80  
- Trademark: d&b  
- Type designation: Amplifier  
- Hardware version: 37  
- Software version: 2.28

- Product description: d&b D20  
- Trademark: d&b  
- Type designation: Amplifier  
- Hardware version: 11  
- Software version: 2.28

- Product description: d&b DS10  
- Trademark: d&b  
- Type designation: Audio Interface  
- Hardware version: 08  
- Software version: 2.0.2

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