

English Version

## Building hardware - Mechatronic door furniture - Requirements and test methods

Quincaillerie pour le bâtiment - Poignée de porte  
mécatronique - Exigences et méthodes d'essai

Schlösser und Baubeschläge - Mechatronische  
Türbeschläge - Anforderungen und Prüfverfahren

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 33.

This draft amendment A1, if approved, will modify the European Standard EN 16867:2020. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 16867:2020/prA1:2021) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

In comparison with EN 16867:2020, the following technical modifications have been made:

- 4.7.1, Revised Table 5 Credential related Security
- 6.6.1, Corrosion resistance tests, changed to one MDF
- 6.8.10, Resistance to attack by twisting, text added
- 7.6, Safety (editorial)

## 1 Modifications to 4.7.1, "General"

In Table 5, in the following 2 rows, replace the current text in columns "C" and "D":

Technique	Requirements	0	A	B	C	D
ICC	encryption	NPD	no requirement	no requirement	yes	communication encrypted with AES or 3DES; session keys, unique key
	encryption key length	NPD	no requirement	no requirement	48 bits	128 bits AES 3x56 bits 3DES

with the following:

Technique	Requirements	0	A	B	C	D
ICC	encryption	NPD	no requirement	no requirement	communication encrypted with 3DES session keys, unique key	communication encrypted with AES session keys, unique key
	encryption key length	NPD	no requirement	no requirement	3x56 bits K1=K3 allowed	128 bits

## 2 Modifications to 6.6.1, "Corrosion resistance tests"

In the third paragraph, replace the first sentence with the following:

"For this test the MDF shall be mounted in a block in accordance with the manufacturer's instructions and stood in the cabinet, so that the MDF is oriented in the manner that it would assume in use."

In the fourth paragraph, first sentence, replace "a MDF" with "the MDF".

## 3 Modification to 6.8.10, "Resistance to attack by twisting"

Add the following new paragraph after the sixth paragraph, and before Figure 13:

"During and after the twisting test, the MDF shall not operate the follower of the lock case once twisted, or by using any tools from specified in Annex B."

## 4 Modification to 7.6, "Safety (5<sup>th</sup> character)"

Add "NDP" in the first row and delete "NDP" in the second row to read as follows:

Three grades of safety are identified:

- Grade 0: No Performance Determined; NPD
- Grade 1: High resistance to axial forces;
- Grade 2: Extra high resistance to axial forces.