

deect

wireless technology



DECT Security Certification

- Information related to Step B & C certification
- Date: 14-12-2022



DECT Security Evolution

STEP A	STEP B	STEP C
<ul style="list-style-type: none">• Encryption of all calls• Re-keying during a call• Early encryption• Subscription requirements	<ul style="list-style-type: none">• Encryption of all calls• Re-keying during a call• Early encryption• Subscription requirements	<ul style="list-style-type: none">• Encryption of all calls• Re-keying during a call• Early encryption• Subscription requirements
DSAA	DSAA2	DSAA2
DSC	DSC	DSC2



Certification steps

- Step A is based on DSAA authentication and DSC encryption. *These algorithms are no longer considered to meet state-of-the-art security practices or current market expectations.*
- DECT Forum has therefore decided to discontinue Step A certification
- To meet current security requirements, conformance with DSAA2 authentication (Step B) and DSC2 encryption (Step C) is necessary
- DSAA2 and DSC2 build on AES-128



Essential dates

- DECT Forum has decided that from Jan 1, 2023 Security certification requests will only be accepted for the combination of Step B and Step C
- As some companies have requested to be allowed to do Step B only certification on some existing products, DECT Forum has decided to accept Step B certification requests until 31 December 2022
- Products to be certified for Step B only need to be delivered to the test house latest by 31st of July 2023 so that certification can be completed before 30th of September 2023



Testing tools and test house

- Testing tools for Step B and C have been developed and can be made available to DECT Forum members upon request.
 - For information please contact:
Roel Ottink
Email: roel.ottink@dect.org
- Test house Nemko will be carrying out the certification testing.
 - For information please contact:
Frode Sveinsen
Email: frode.sveinsen@nemko.com

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