CRA SAMPLE

F01 Requirements list

Example after one year of operation, status 28.02.2028 · Nordwald Wärmetechnik GmbH, networked wood chip boiler NWT HACKTHERM 60 connect

Publisher	OT-Cyber.de, Max Gilg, Rosenheim
Sample company	Nordwald Wärmetechnik GmbH, networked wood chip boiler NWT HACKTHERM 60 connect (fictitious)
Note	Free sample, not legal advice

Company, people, data and numbers are fictitious. This is how the document looks after one year of operation.

1 Purpose and scope

Every requirement with its source, implementation, evidence and status. Checked before every release (P02). Extract of the core requirements from CRA Annex I and MR Annex III.

2 Document control

Field	Entry
Document no.	NWT-CE-F01
Version, status	1.5, approved
Scope	NWT HACKTHERM 60 connect (18 to 60 kW), controller, gateway, portal and app
Author	Jonas Weiß, Engineering and Product Security (PSO)
Checked by	Ingenieurbüro Lechner (safety), Sichtwerk Security (security)
Approval	Michael Berger, Managing Director, 28.02.2028
Next review	15.03.2029 or in the event of a substantial modification
Confidentiality	internal
Filing	Technical documentation NWT-TD-HT60C, retained for at least 10 years after the last unit is placed on the market

3 Requirements list: overview

ID	Source	Requirement	Implementation	Evidence
A01	CRA I 2 a	no known exploitable vulnerability	SBOM check, penetration test	F04, F14
A02	CRA I 2 b	secure by default configuration, reset	unique secret per device, factory reset	F10, F11
A03	CRA I 2 c	updates, automatic with opt-out	signed, staged, can be disabled	F14, D13
A04	CRA I 2 d	protection against unauthorised access	MFA, roles, approval	D07 C01, C10
A05	CRA I 2 e	confidentiality	TLS 1.3, encryption at rest	Penetration test
A06	CRA I 2 f	integrity of data and commands	signature, Secure Boot	D07 C03
A07	CRA I 2 g	data minimisation	operating data only	Data inventory
A08	CRA I 2 h	availability of essential functions	controller operates autonomously	D07 C08

ID	Source	Requirement	Implementation	Evidence
A09	CRA I 2 j	small attack surface	no inbound access, services disabled	Port scan
A10	CRA I 2 l	logging	event log, opt-out possible	F09
A11	CRA I 2 m	secure data deletion	deletion function, certificate revocation	D13 ch. 10
A12	CRA II 1 to 8	vulnerability handling	P06 to P11	D08, F05
A13	MR III 1.1.9	protection against corruption	G1, G2, seal, log	D04, D07
A14	MR III 1.2.1	safety of the control system	SF1 to SF10, PL per standard	D04, F09
A15	MR III 1.7.4	instructions for use	NWT-BA-HT60C	D13
A16	EN 303-5	emissions, efficiency	type test	File 6
A17	CRA I 2 i	no disruption of other devices and networks	outbound only, no forwarding, rate limiting	D07 C05, C08
A18	CRA I 2 k	limit the impact of an incident	zones, autonomous controller, lockable accounts, reversible updates	D05, D07 C04
A19	CRA I 1	security appropriate to the risk	assessment D07, measures per threat	D07

Check before Release 1.5.0 (20.11.2027): all requirements applicable at that time fulfilled; A03 extended to include the display of automatic updates in the app, A04 extended to include the maintenance approval (C16).

Internal review 28.02.2028: under Article 13(3) CRA, it must be established for each item of Annex I, Part I, point (2) whether it applies and how it is implemented. Points (i) and (k) were missing from the list; they have been added as A17 and A18. Points (a) to (m) are therefore complete, and all of them apply to the product.

4 Terms and abbreviations

BA: operating instructions (number range)

CRA: Cyber Resilience Act, Regulation (EU) 2024/2847

MFA: multi-factor authentication

MR: Machinery Regulation (EU) 2023/1230, applies from 20 January 2027

NWT: abbreviation of the sample company in document and ticket numbers

PL: performance level according to EN ISO 13849-1, from a (low) to e (high)

SBOM: software bill of materials: which components in which version

SF: safety function

TLS: encryption of the connection

5 Revision history and approval

Version	Date	Change	Approval
1.0	05.12.2026	First list	M. Berger
1.1	15.03.2027	Status at placing on the market	M. Berger
1.2	28.06.2027	Release 1.4.2	M. Berger
1.3	05.09.2027	Controller 3.0.3	M. Berger
1.4	20.11.2027	Release 1.5.0	M. Berger
1.5	28.02.2028	Annex I, Part I, points (2)(i) and (2)(k) and point (1) added (Article 13(3))	M. Berger

Approved: Michael Berger, Managing Director, 28.02.2028 (signed in the original). Free sample from OT-Cyber.de, not legal advice. Company, persons, serial numbers and data are entirely fictitious.