CRA SAMPLE

D05 Network and system architecture

Blank template · 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

Fill in the fields, approve with date and signature, file according to document control.

1 Purpose and scope

Zones and conduits according to IEC 62443-3-2, permitted data flows, remote maintenance and update chain.

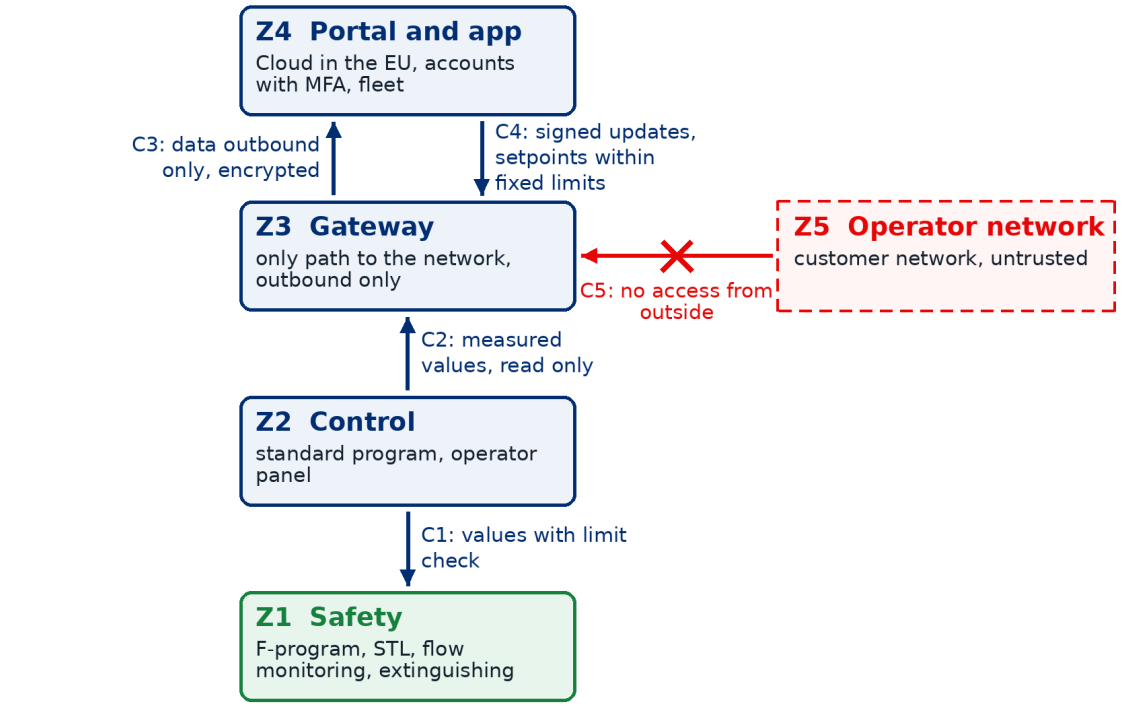
How to fill in this form

Fill in the fields with the details of your company. Below each table and next to each field there is an example from the sample company for orientation. Refer to evidence by number (e.g. ticket or form). Finally approve with date and signature and file according to document control.

2 Document control

Field	Entry
Document no.	
Version, status	
Scope	
Author	
Checked by	
Approval	
Next review	
Confidentiality	
Filing	

3 Overview drawing



Example from the sample. Draw your zones and connections the same way: one box per zone, one arrow per permitted connection.

Describe your status here, specifically and with a date. Example from the sample: How to read the drawing: each box is a zone with its own protection, each arrow is a permitted connection in the direction of the arrow.

4 Zones

Zone	Content	Target SL	Responsible

Example row from the sample: Zone: Z1 Safety · Content: F-program, F-I/O, STL · Target SL: SL 2 · Responsible: Weiß

Legend: Z = zone; target SL = target security level according to IEC 62443-3-2 (1 to 4).

5 Conduits

Conduit	From, to	Permitted	Protection

Example row from the sample: Conduit: C1 · From, to: Z2 to Z1 · Permitted: Values via F-interface · Protection: Limit check in F-program

Legend: conduit = permitted connection between two zones.

Describe your status here, specifically and with a date. Example from the sample: Remote maintenance takes place via the portal only: the operator approves a session in the app, with a time limit of no more than four hours, MFA for the service account …

6 Terms and abbreviations

CE: CE marking: the manufacturer declares that the product meets EU requirements

MFA: multi-factor authentication

MQTT: messaging protocol between device and portal

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

SL: security level according to IEC 62443, from 1 to 4

STL: safety temperature limiter

TCP: transport protocol in the network

TLS: encryption of the connection

7 Revision history and approval

Version	Date	Change	Approval

Approved (name, function, date, signature): _____ · Free sample from OT-Cyber.de, not legal advice. Company, persons, serial numbers and data are entirely fictitious.