

New Regulation Framework and Standardisation of Industrial Security Empower Europe

New legal requirements and standardisation -particularly through EN 50742, CSAF, RFC 9116 and the Guideline on the Machinery regulation by the European Expert Group - can drive a culture of security-by-design, improve industrial resilience, and strengthen Europe's technological sovereignty.

What caused the new regulations?

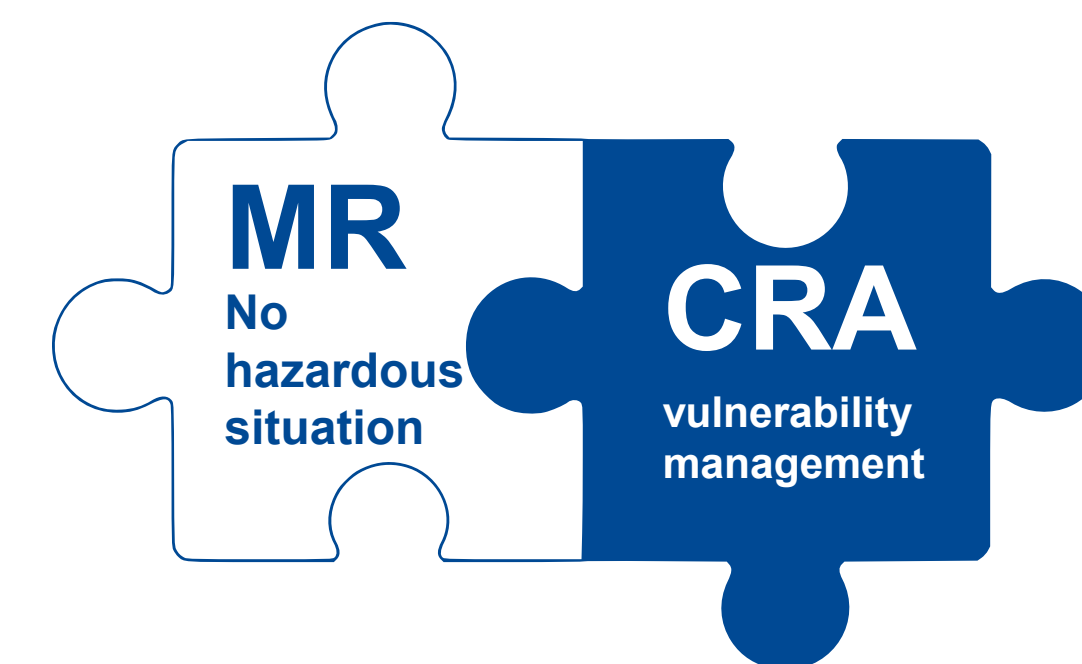
1. Critical vulnerabilities in controlsystems exist
2. No real vulnerability management for decades.
Commercial advantage to ignore vulnerabilities
3. Growing number of Cyberattacks
Losses for German Industry rise to 202.400.000.000 EUR in 12 Months
Hazardous situations occur



Machinery Regulation, Guide

Machinery Regulation, Annex III

- 1.1.9 Protection against corruption
- 1.2.1 Safety and Reliability of Control Systems
- CRA and MR do not overlap but combine perfectly



Guidance on the Machinery Regulation, Group D

- Kickoff: 2025-09-10,
- ETA: End of 2026
- Mandate: “**Clarification**, not Interpretation”
- Does **not** describe the state of the art

Standardization CLC TC44x WG02 EN 50742

- “Safety of machinery - Protection against corruption”
- HC: May 2026
- ETA: End of 2026
- Describes the **state of the art**
- Based on risk assessment ISO 12100
- Operating instructions, protective measures and their limitations, operating environment

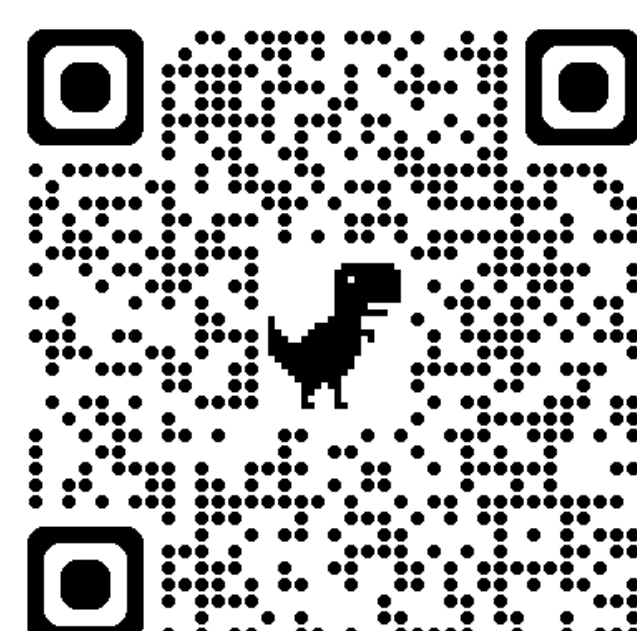
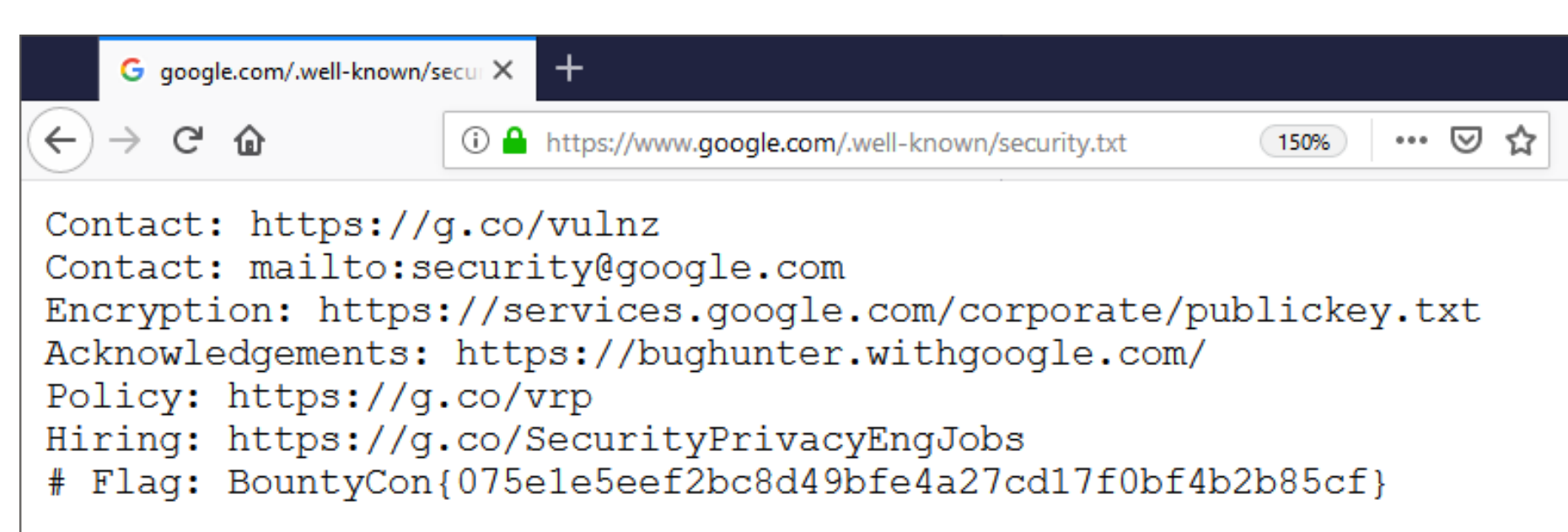
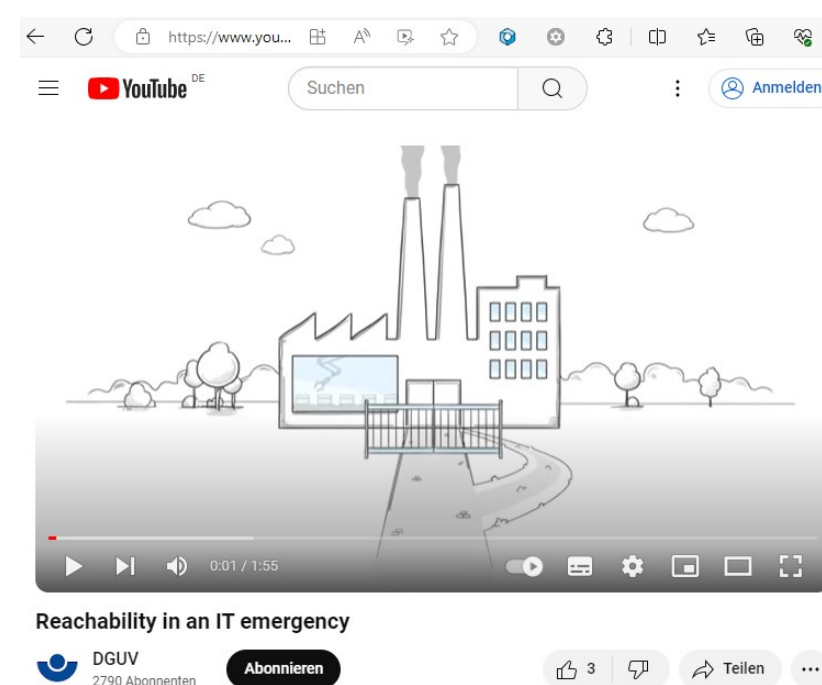
Path A (default, very lean)	Method B (mapping to IEC 62443)
Requirements derived from MVO	Compatible requirements Sought from IEC 62443
More compact, as it is tailored precisely to MVO	Good if IEC 62443 has already been implemented, and the machine is assembled from components developed in accordance with IEC 62443

Simple text file enables rapid communication

International specification IETF RFC 9116

Manufacturer informs about vulnerabilities automatically: Notified Body, User, Machine builder

1. Past: **Months** of manual, **expensive** research
Now: Automatic lookup in **seconds**
2. security.txt on web site provides
Emergency contact and link to CSAF Security Advisory
3. Implementation in **just 5 Minutes**
4. Short film and generator online
<https://cert.dguv.de>



DGUV Test principles

Lessons learned from old test principles

- IEC 62443 is too complex for most SME

New test principles based on EN 50742

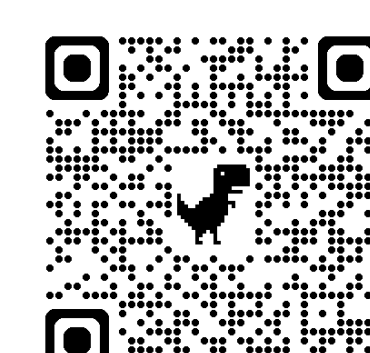
- efficient for protection from corruption in machinery
- compatible with CRA requirements



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