

IEC 62443 required network services

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V01

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V01: Initial version

Reference:

- IEC 62443 standards family

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Industrial Automation customers expecting that the requirements specified by IEC 62443 are achievable together with the services specified by the TSN-IA profile.

Example:

„Global Time Synchronization“ service

mandated by IEC 62443-4-2 starting with Security-Level 2 (Audit Records):

CR 2.11 – Timestamps

SL-C 2: Components shall provide the capability to create timestamps that are synchronized with a system wide time source.

➤ TSN-IA profile compliant networks shall not hinder the deployment of IEC 62443-4-2 Security-Level 2

TSN-IA conformance classes shall be checked to ensure that IEC 62443-4-2 requirements are supported or at least identified.

Conclusion

- TSN-IA profile compliant networks shall not hinder the deployment of IEC 62443-4-2 compliant stations