



TWG2\_ 2022

## Security-update to the regulation of chemical sites in Finland

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The goal is to increase preparedness of chemical sites to security incidents

Why?

- Threats are more and more common
- Digitalization
- Cause of chemical leak or accident can be security originated

# Key points

- Work continues in Ministry of Economic Affairs and Employment to update the Act 390/2005 (“chemical safety law”)
  - Work was started as early as 2017
  - Work is done together with Tukes and industry
  - A new degree on security of chemical sites also in preparation (specific requirements)
- Timetable: Act to Parliament in September 2022, takes effect in 1<sup>st</sup> September 2023
- Scope: All “Seveso-sites” but even smaller sites including sites regulated by local rescue authorities.
  - Authorities: Tukes and local rescue authorities

# Key points

- **Security threat is a criminal act which is intended for directly or indirectly compromise the chemical or explosive safety or general security**
  - **Consequences can be the same as conventional accidents, but the causes are different**
- **Covers both physical and cyber security**
- **Risk-based = Higher risk means more requirements**
  - Quantity and a state of the chemical, toxicity, location

# Key points

- Management of security risks is done **in a framework of general safety management system**
    - Identification of critical assets, risk assessments and controls, maintenance, MOC, monitoring, training
  - Duty to report security incidents to Tukes
  - **Caution in publishing information**
  - Possibility to ask police to make **security clearance** to employees
  - Control room security and remote connectivity
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- Tukes (Seveso and chemical safety authority) will have more resources on security surveillance (both competence and persons)

# More information and links (in Finnish and in English)

- Guide "Preparing on security risks in handling and storing of dangerous chemicals" (incl. **checklists on mechanical and security risks**):  
<https://tukes.fi/turvauhkiin-varautuminen-vaarallisten-kemikaalien-kasittelyssa-ja-varastoinnissa> (in Finnish)
- The Ministry of Economic Affairs and Employment (MEAE):  
<https://tem.fi/hanke?tunnus=TEM063:00/2018> (in Finnish)
- SAF€RA 4STER -project: Integrated Management of Safety and Security Synergies in Seveso Plants (SAF€RA 4STER) (Guideline, report, presentation): <https://projects.safera.eu/project/21> (in English)