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Move securely within the cyberworld

ILNAS AFTERWORK
"Cybersecurity Standardization:
Meet the international experts"
28.09.2022 | 18h00-20h30
Chambre des Métiers Luxembourg

ILNAS | **ISO JTC1 IEC**
INFORMA TION TECHNOLOGY STANDARDS
SC 27
Information Security, Cybersecurity and Privacy Protection

ILNAS/NSC 01 "Cybersecurity"

ILNAS Afterwork 28/09/2022

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Dr. Carlo Harpes
Vice-Chair NSCo1

- **CEN/CENELEC JTC13 Cybersecurity and Data Protection**
- **ISO/IEC JTC1/SC27 Information security, cybersecurity and privacy protection**
 - WG 1 Information security management systems
 - WG2 Cryptography and security mechanisms
 - WG3 Security evaluation, testing and specification
 - WG4 Security controls and services
 - **WG5 Identity management and privacy technologies**
 - ISO/TC 307/JWG 4 Security, privacy and identity for Blockchain and DLT
- **ISO/IEC JTC1/WG13 Trustworthiness**
- **ISO PC 317 Consumer protection: privacy by design for consumer goods and services**
- **Not included here, but in parallel activities in LU**
 - ILNAS106 PSDC (archiving and dematerialization)
 - ISO TC262 Risk management
 - ISO SC7 Software and systems engineering
 - ISO TC307 on Blockchain and DLT

- 40 members
- Private volunteers
- Employee of volunteering companies
- Partially supported by nationally-, ESA- or EU-co-funded projects.

Thanks a lot, to all these
sponsors of good standards.

- **Multiple assistance to face-to-face SC27 meetings**
 - Benoit:...
 - For me: 9 physical meetings, 4 virtual, in general in parallel on WG1, 3, 4, 5
 - ...
- **Johann Amsenga, Chairman to SC 27 –WG4**
- **Organisation of the first hybrid SC27/WG5 meeting this week.**
- **Editors and co-editors of several standards**
 - Incert: 27070, 27024, 13888-x, 18014-2, 18031, 18033-x, 23837-2, 27070, 27099, 27110, SD12...
 - itrust consulting: SD19, 27557
- **Contribution:**
 - e.g. Annex of 27004 on KPI for Security controls
 - But also criticism: unclear structure (27002, 27701), inefficient progress (27005), too long standards and updating cycles (27005)...

- **Missing active contributions**
 - Mainly public sector implementors and large organization
- **Seldom, but still present: Missing global thinking**
 - Data protection commission: developed national certification scheme (CARPA) with specific certification rules instead of promoting 27701 and 17065 certification rules
 - NIS (Network information security) regulator ILR mandating risk reporting on short notice in an undocumented json format with awful, proprietary risk criteria and incomplete risk identification instead of using the operators' fully documented risk report based on more precise assessments.
- **Missing political will to enforce cybersecurity standards**
 - No obligation for norm or cybersecurity rules for essential service providers.
 - Mandate to create an ISMS for the public sector deployed by the Prime Minister in 2016 but then withdrawn upon complain of missing resources and autonomy.

- **27001 certification:**
 - 40 and 93 sites (ISO survey in 2021),
 - Public sector: CTIE, LuxGovSat, Incert, Sigi
 - Large entities: CREOS, KPMG, POST, Proximus, PWC Luxembourg, SES...
 - SME: Excellium, itrust consulting, Labgroup, LuxConnect, LuxITH, Numen Europe, VBS, Westpole...
- **27701 certification (not yet under accreditation)**
 - itrust consulting
- **9001 (Quality): 152 and 362 sites**
- **22301 (BCM): 7 and 45 sites**
- **2 national risk management tools**
 - TRICK service (free-to-use) by itrust consulting
 - Monarc (open source) by MinEco
- **Many open source Cybersecurity tools**
 - MISP, malwasm, draw.trickservice.com, ...



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