





資安法規與驗證





全球重要資安法案

網絡感知法案

管道與液化天然氣設施網路安全準備法案 能源應急領導法案

公私合作加強電網安全法案 提升關鍵基礎設施網路安全的框架 加州裝置資安法

奧勒岡州物聯網裝置資安法

歐盟網路網絡安全法案 歐盟網路與資訊系統安全指令 歐盟通用資料保護條例 德國數位化行動綱要 德國能源系統網路安全建議白皮書 英國國家網路安全戰略(2016-2021) 中華人民共和國國家安全法關鍵基礎設施安全保護條例

工業控制系統資訊安全防護能力

評估管理辦法

關於加強電力行業網路安全工作的指導意見

信息安全技術網路安全等級保護 基本要求,測評要求,安全設計 技術要求 日本電信網絡安全法

持續推出的資安法案

台灣資通安全管理法

印度電信安全保證要求

新加坡網路安全法

巴西金融機構網路安全法



AUTOMOTIVE CYBERSECURITY

Legislation

UNECE regulations on Cybersecurity and Software Updates

Industry Standard • ISO 21434



UNECE REGULATION ON CYBER SECURITY AND SOFTWARE UPDATES

- Worldwide organization, including 56 member states
- **■EU** to mandate them from July 2022, Japan from 2021
- **■**Whole life-cycle of the vehicle in scope of the regulation

Managing vehicle cyber risks

Securing vehicles by design to mitigate risks

Detecting and responding to security incidents

Providing safe and secure software updates







EXPECTED IMPACT

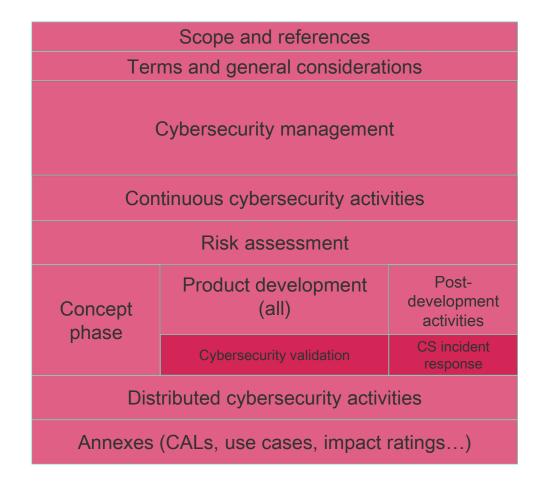


ISO/SAE 21434 AUTOMOTIVE 資安標準

- Industry-backed standard focused on security processes in development, production and post-production
- Useful for both OEMs and Tier 1/Tier 2
- Strong link with the UNECE Cybersecurity regulation

NOW



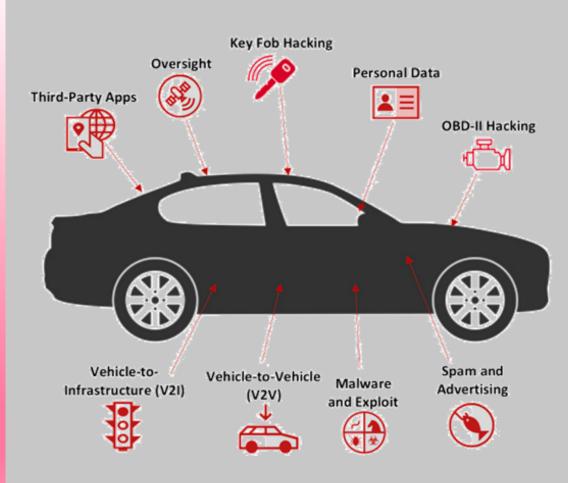




AUTOMOTIVE 重要標準







Cyber threats ISO 21434

HARMONIZATION OF SAFETY & SECURITY PROCESS



Cyber Security ISO 21434

Concept Requirement Design Implementation Validation Update & Maintenance Decommissioning

Functional Safety ISO 26262 and Safety of the Intended Functionality ISO 21448

TISAX



What is TISAX?

- TISAX (Trusted Information Security Assessment Exchange) audit and exchange mechanism for the ISA was born in 2016
- The German Association of the Automotive Industry (VDA) and ENX, as information security task force, decided to propose a robust and enhanced standard based on ISO 27001 requirements added with the information security assessment (ISA) catalog developed by the VDA.

WHY SHOULD I BE ASSESSED AGAINST TISAX?

- German automotive companies (BMW, Daimler, and Volkswagen) mandate compliance to TISAX, for suppliers to be ranked as "top reliable" suppliers in term of quality and security of digital information management.
- It shall be enlarged to other 0EM and TISAX is becoming the certification reference standard for Automotive Industry and Information security Management.
- TISAX was launched end of 2016 with an instantaneous demand from the automotive industry and after almost 2 years of existence, almost 2000 companies have been already assessed against TISAX.
- Furthermore, the audited company can choose to make its audit results available
 to other TISAX participants in varying levels of detail, thus avoiding additional
 audits for other interested participants with the same security requirements.
 Duplicate and multiple audits are therefore a thing of the past, which helps all
 those involved to save time and money.

What Complementarity between ISO 27001 & TISAX?

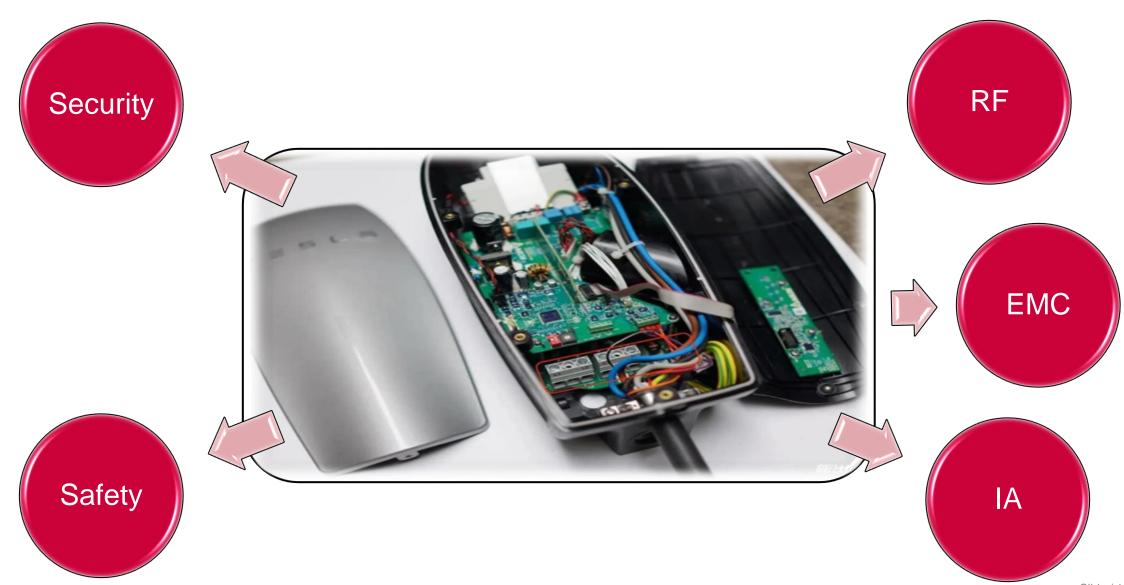
• Both standards are fully complementary

ISO 27001 focuses on the organization and its structure when TISAX focuses on topics relevant to partners and specific physical sites.

TISAX also consideres particularly Customer Specific Requirements from german automotive OEMs or Tier 1 suppliers for what regards information security.

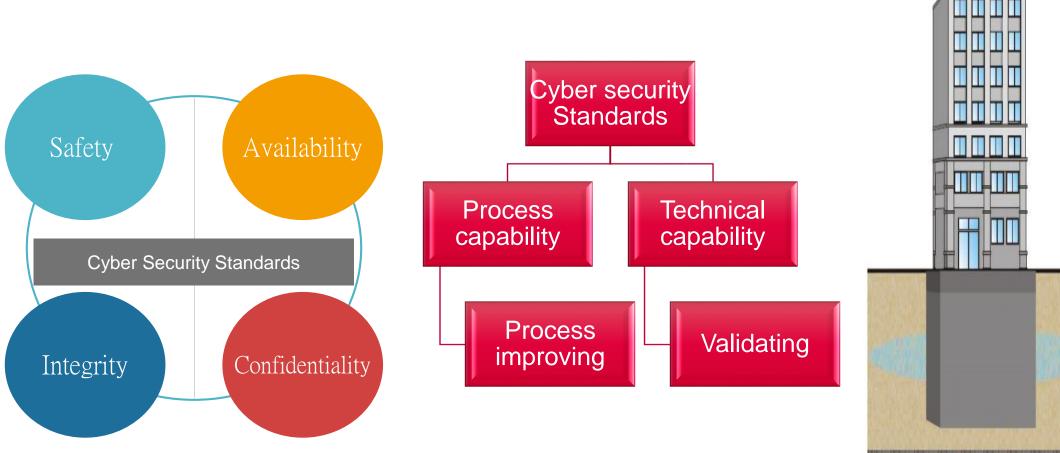


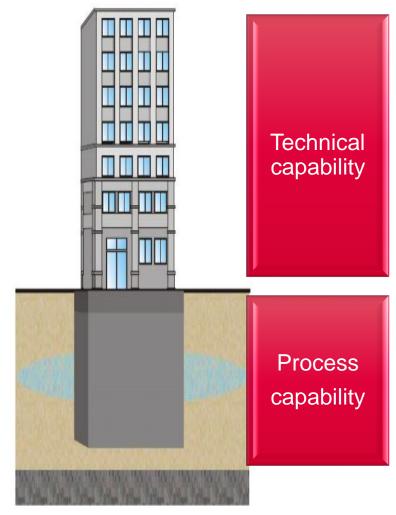
ONE STOP SOLUTION TO EVSE





SUMMARY







案例分享

客戶	領域	客戶要求	提供服務	
保密	歐系車廠	• ISO 26262 認證	• ISO 26262驗證	
保密	台灣車用面板廠	符合歐洲車廠要求加強網路安全能力	• TISAX驗證	
保密	網路基礎設施解決方案	• 產品認證	• 產品與流程驗證 IEC 62443 (4-1 & 4-2)	
保密	歐系電動車廠	網路安全制度改善ISO 26262 認證	• ISO 26262驗證	
保密	台灣車用零組件廠	增強網路安全成熟度符合歐洲車廠要求	• TISAX驗證	



BV資安服務列表

		服務類型		
客戶類型	服務內容	教育訓練	顧問服務 (由BV認可顧問公司提供)	驗證
業主/運營方	建立網路安全計畫(IEC 62443-2-1)	V	√	A
系統整合商/維 護服務商	安全產品開發生命週期要求 (IEC 62443-4-1)	√	√	√
	IACS服務提供者的安全要求(IEC 62443-2-4)	√	√	$\sqrt{}$
	系統安全要求和安全等級(IEC 62443-3-3)	√	√	V
製造商	TISAX,ISO26262, Common Criteria ISO15408	√	√	\checkmark
	ISO21434	√	√	A
	Eurosmart	√	√	V
	BV IoT,ioXt, IMDA Security Requirements for Residential Gateways, NCC information security testing services , Japan requirement of Article 34-10	V		V
	安全的產品開發生命週期要求(IEC 62443-4-1)	√	√	V
	IACS元件的技術安全要求(IEC 62443-4-2)	√	√	√

▲ 等待標準正式發布

MOVE FORWARD WITH CONFIDENCE



