



Beyond UN Regulation No. 155

Regulation and Standards with Impact on Europe

September 05th, 2023 | Hassan Mohd

About Me

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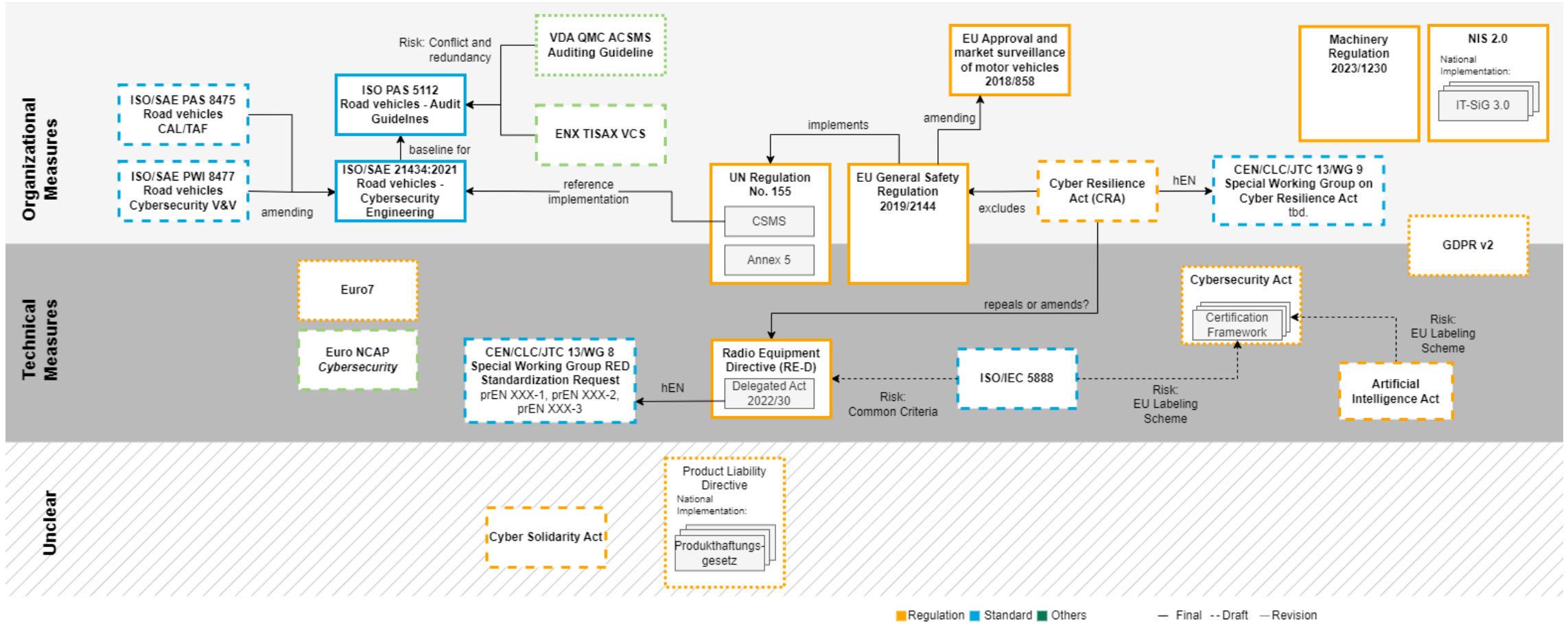
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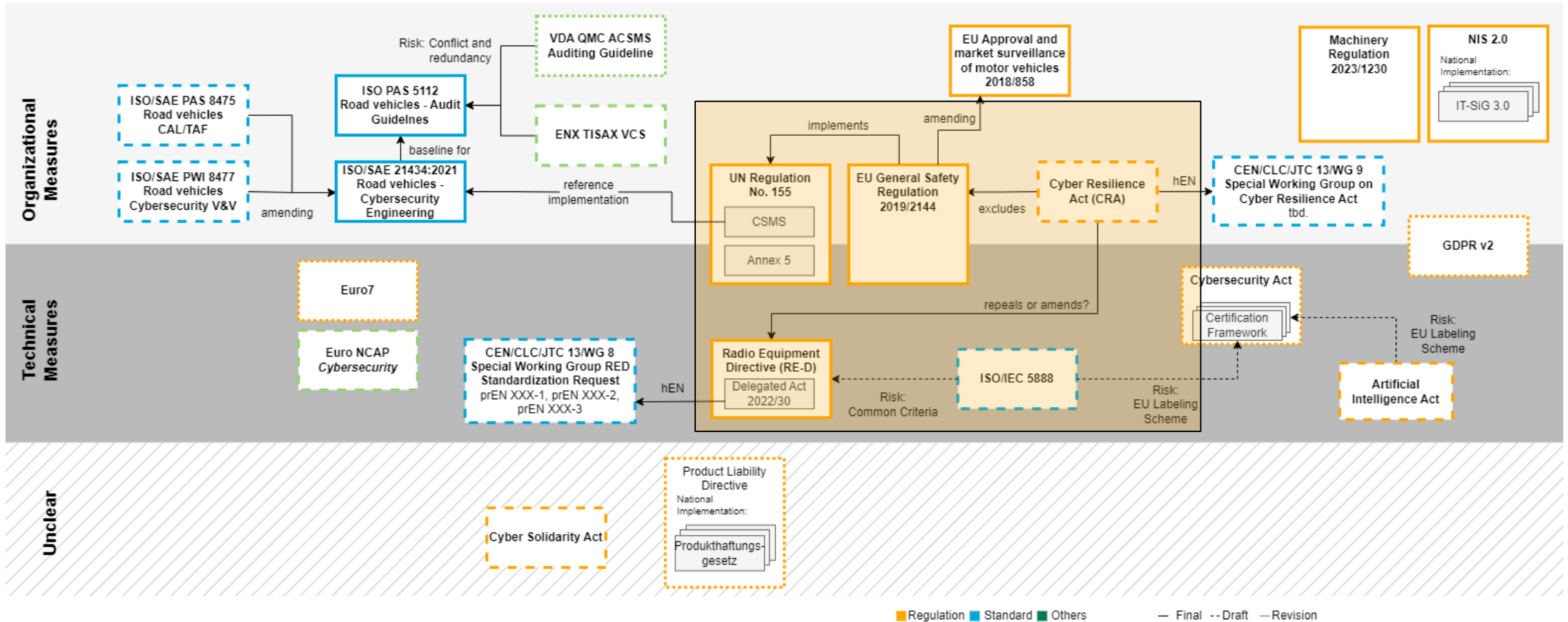
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* CSMS - Cybersecurity Management System

Regulation and Standards with Impact on Europe



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Comparison between CRA and UNR.155

Coverage of Components and Supplying Goods

Cyber Resilience Act (Draft)

Scope

2. This Regulation does not apply to products with digital elements to which the following Union acts apply:
- (a) Regulation (EU) 2017/745;
 - (b) Regulation (EU) 2017/746;
 - (c) Regulation (EU) 2019/2144.

Article 3

Definitions

For the purposes of this Regulation, the following definitions apply:

- (1) 'product with digital elements' means any software or hardware product and its remote data processing solutions, including software or hardware components to be placed on the market separately;

General Safety Regulation (EU 2019/2144)

Article 2

Scope

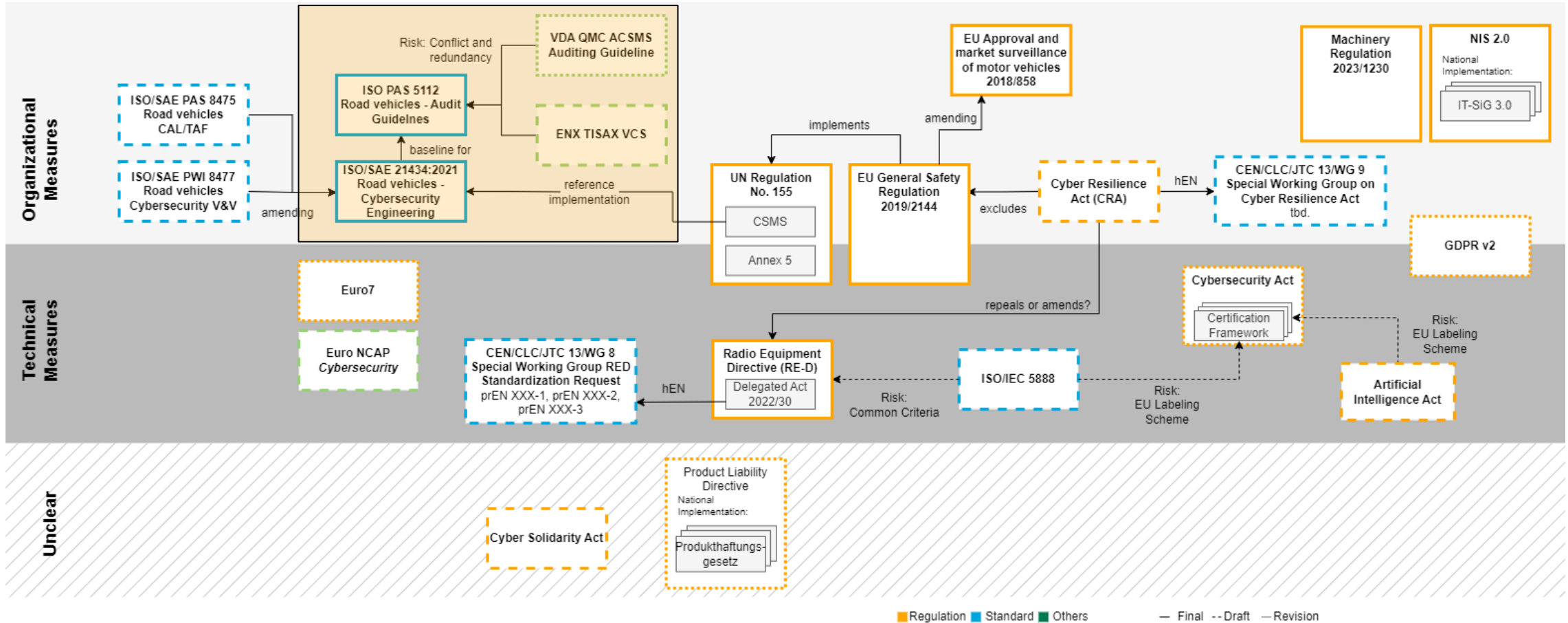
This Regulation applies to vehicles of categories M, N and O, as defined in Article 4 of Regulation (EU) 2018/858, and to systems, components and separate technical units designed and constructed for such vehicles.

Cyber Resilience Act – Annex III (Draft)

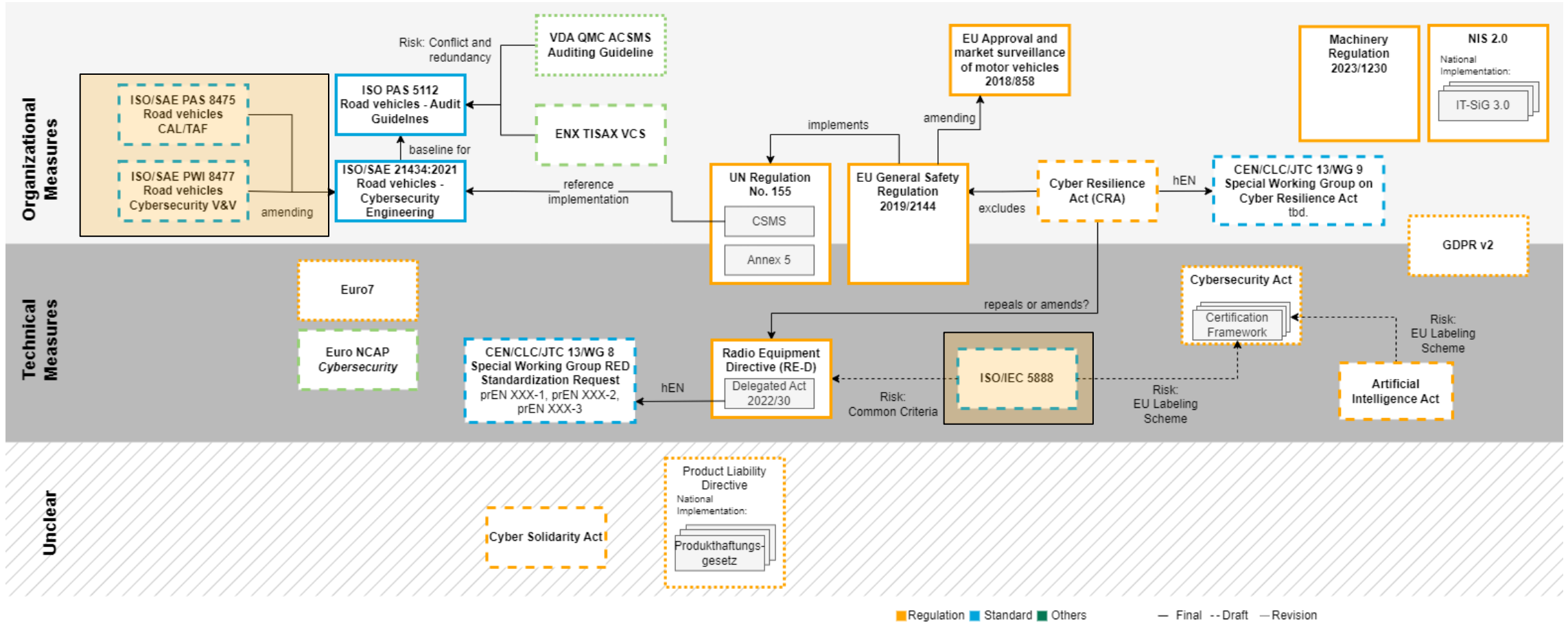
Class II

1. Operating systems for servers, desktops, and mobile devices;
2. Hypervisors and container runtime systems that support virtualised execution of operating systems and similar environments;
3. Public key infrastructure and digital certificate issuers;
4. Firewalls, intrusion detection and/or prevention systems intended for industrial use;
5. General purpose microprocessors;
6. Microprocessors intended for integration in programmable logic controllers and secure elements;
7. Routers, modems intended for the connection to the internet, and switches, intended for industrial use;
8. Secure elements;
9. Hardware Security Modules (HSMs);
10. Secure cryptoprocessors;
11. Smartcards, smartcard readers, biometric readers, and tokens;
12. Industrial Automation & Control Systems (IACS) intended for the use by essential entities of the type referred to in [Annex I to the Directive XXX/XXXX (NIS2)], such as programmable logic controllers (PLC), distributed control systems (DCS), computerised numeric controllers for machine tools (CNC) and supervisory control and data acquisition systems (SCADA);
13. Industrial Internet of Things devices intended for the use by essential entities of the type referred to in [Annex I to the Directive XXX/XXXX (NIS2)];
14. Robot sensing and actuator components and robot controllers;
15. Smart meters.

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ISO TC22/SC32/WG11 Road vehicles – Cybersecurity

Current Projects

ISO/SAE PAS 8475

Cybersecurity Assurance Levels (CAL) and Targeted Attack Feasibility (TAF)

- › **Technical alignment** on the concepts of CAL and TAF
- › Objectives for **Attack Feasibility**
- › Prepare benefits, expectations, use cases and constraints
- › Kicked off **November 2022**

ISO/SAE PWI 8477

Cybersecurity verification and validation

- › **Disambiguation** of Verification and Validation in the context of Cybersecurity
- › **Objectives** of Cybersecurity Verification and Cybersecurity Validation
- › **Planning of V&V activities**, incl. supply-chain considerations
- › Preparation of corresponding **TR project planned for mid 2023**

ISO/IEC 5888

Security Requirements and Evaluation Activities for connected vehicle devices

- › Following ISO/IEC 15408 framework
- › Procedures to develop accurate security requirements and **objective evaluation** criteria
- › **Kick-off in May 2022, Release planned for March 2025**

TF Harmonization

Harmonization of terms between Safety (ISO 26262) and Cybersecurity (ISO/SAE 21434)

- › Analyse potential harmonisation between ISO/SAE 21434 and other relevant ISO standards
- › Harmonisation could be included in a future version of ISO/SAE 21434 and/or other relevant ISO standards and documents.”
- › Keep track of any standards and regulations that could affect ISO/SAE 21434.

Conclusion and Outlook

Roadmap of relevant Activities

