

PROVISIONAL LIST OF EUROPEAN AND INTERNATIONAL STANDARDS AND CONTROLS

ENTSO-E's and EU DSO entity's provisional list of European and international standards and controls required by national legislation with relevance for cybersecurity aspects of cross-border electricity flows in accordance with Article 48 of the Commission Regulation (EU) 2024/1366 of 11 March 2024 establishing a network code on sector-specific rules for cybersecurity aspects of cross-border electricity flows

Table of Contents

Introduction.....	3
Legal status of this document.....	3
Definitions.....	3
Standards that provide guidance on risk management	3
Cybersecurity controls from standards and national frameworks	4
Cybersecurity controls from national legislation.....	5
Annex I.....	22

Introduction

This document provides a provisional list of European and international standards and controls required by national legislation with relevance for cybersecurity aspects of cross-border electricity, hereafter referred to as the "*provisional list of standards*". Article 48(6) of the Commission Regulation (EU) 2024/1366 of 11 March 2024 establishing a network code on sector-specific rules for cybersecurity aspects of cross-border electricity flows, hereafter referred to as the "NCCS Regulation", states that the ENTSO for Electricity, in cooperation with the EU DSO entity, shall prepare such a provisional list.

According to Article 48(10) of the NCCS Regulation, all entities listed in Article 2(1) of NCCS Regulation shall strive to progressively apply the provisional list of standards until minimum and advanced cybersecurity controls are developed.

The entities shall strive to apply the standards within the provisional high-impact and critical-impact perimeters. Entities can determine these provisional perimeters using the provisional electricity cybersecurity impact index and provisional list of high-impact and critical-impact processes, according to Article 48(4) of the NCCS regulation.

The provisional list of standards includes:

1. European and international standards and national legislation which provide guidance on methodologies for cybersecurity risk management at entity level; and
2. cybersecurity controls equivalent to the controls that are expected to be part of the minimum and advanced cybersecurity controls.

The European and international standards in the provisional list of standards have been identified by ENTSO for Electricity, in cooperation with the EU DSO entity, as the most relevant and widely applied standards in the electricity sector. The controls required by national legislation have been provided by the Competent Authority, in accordance with Article 48(7) of the NCCS Regulation.

Legal status of this document

This provisional list of standards has been developed as **non-binding guidance** under Article 48 of the NCCS Regulation. It may be used by entities on the provisional list of high-impact and critical-impact entities that voluntarily decide to fulfil their obligations.

Definitions

For the purposes of this document, the terms used shall have the meaning given to them in Article 3 of the NCCS Regulation, Article 6 of the Directive (EU) 2022/2555 of 14 December 2022 on measures for a high common level of cybersecurity across the Union ('NIS 2 Directive'), Article 2 of the Regulation (EU) 2019/941 of the European Parliament and of Council of 5 June 2019 on risk-preparedness in the electricity sector and repealing Directive 2005/89/ ('Risk Preparedness Regulation'); and Article 2 of the Regulation (EU) 2019/943 of the European Parliament and of Council of 5 June 2019 on the Internal Market for Electricity (recast) ('Electricity Regulation').

Standards that provide guidance on risk management

The following European and international standards provide guidance on methodologies for cybersecurity risk management at entity level:

- ISO 31000 Risk management - Guidelines

- ISO/IEC 27005 Information security, cybersecurity and privacy protection — Guidance on managing information security risks
- NIST SP 800-37 Risk Management Framework for Information Systems and Organizations: A System Life Cycle Approach for Security and Privacy
- NIST SP 800-161 Cybersecurity Supply Chain Risk Management Practices for Systems and Organizations

The latest version of the standards should be followed.

The following national standards also provide guidance on methodologies for cybersecurity risk management at entity level.

- Expression des Besoins et Identification des Objectifs de Sécurité (EBIOS) Risk Manager (France)
- BSI-Standard 200-3: Risk analysis based on IT-Grundschutz (Germany)

Cybersecurity controls from standards and national frameworks

The following European and international standards provide cybersecurity controls that entities can implement if they want to voluntarily fulfil their obligations under the NCCS Regulation during the provisional period:

- ISO/IEC 27002 Information security, cybersecurity, and privacy protection — Information security controls
- ISO/IEC 27019 Information technology — Security techniques — Information security controls for the energy utility industry
- NIST Cybersecurity Framework (CSF)
- NIST SP 800-53 Security and Privacy Controls for Information Systems and Organizations
- NIST Framework for Improving Critical Infrastructure Cybersecurity
- IEC 62443-2-1 Security for industrial automation and control systems - Part 2-1: Security program requirements for IACS asset owners

The latest version of the standards should be followed.

A selection of controls from ISO/IEC 27001 Annex A that are equivalent to the expected minimum and advanced cybersecurity controls has been included in Annex I. The final selection of the minimum and advanced cybersecurity controls may change based on the outcome of the Union-wide risk assessment and consultations with relevant stakeholders.

For the implementation of the controls, entities can additionally consider the following technical cybersecurity standards:

- IEC 62443 - Security for industrial automation and control systems
- IEC 62351 - Power systems management and associated information exchange – Data and communications security
- NIST SP 800-82 - Guide to Operational Technology (OT) Security

The following national frameworks also controls that entities can implement if they want to voluntarily fulfil their obligations under the NCCS Regulation during the provisional period:

- Cyberfundamentals Framework (CyFun®) version 2023 (Belgium)

Cybersecurity controls from national legislation

The following national legislation is relevant to the entities in scope of the NCCS.

Member state	Relevant national legislation
Austria	• Legislation on Network- and Information Security (transposing Directive (EU) 2016/1148): 1. Netz- und Informationssystemssicherheitsgesetz – NISG (NIS-Act): https://ris.bka.gv.at/Dokumente/Erv/ERV_2003_2_548/ERV_2003_2_548.html (English and German) • Netz- und Informationssystemssicherheitsverordnung – NISV (NIS Ordinance): https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20010722 (German) • Legislation on the Electricity Market 1. Elektrizitätswirtschafts- und Organisationsgesetz 2010 (Electricity Act 2010 – ElWOG 2010) – notably sections 19a, 40 et seqq. on the duties of System Operators and transposing Directive 2009/72/EC: https://ris.bka.gv.at/Dokumente/Erv/ERV_2010_1_110/ERV_2010_1_110.html (English and German) • State (Provincial) Electricity Acts (based on the Federal Framework Provisions in the Electricity Act) Full list (German): https://www.e-control.at/bereich-recht/landesrecht • Intelligente Messgeräte-AnforderungsVO 2011 (Ordinance on the Requirements of Smart Meters -- IMA-VO 2011): https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20007497# (German) • NetzdienstleistungsVO Strom 2012 (Ordinance on Electricity Network Services – END-VO 2012) – notably Section 9: https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20008149# (German) • Energielenkungsgesetz 2012 (Federal Act on the prevention and resolution of disruptions in the energy supply for Austria – EnLG 2012) notably Sections 15 et seqq.: https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=20008276# (German) • Datenschutzgesetz (Federal Act concerning the Protection of Personal Data – DSG): https://ris.bka.gv.at/Dokumente/Erv/ERV_1999_1_165/ERV_1999_1_165.html (English and German) • Telekommunikationsgesetz 2021 (Telecommunications Act 2021 – TKG 2021):

	https://ris.bka.gv.at/Dokumente/Erw/ERV_2021_1_190/ERV_2021_1_190.html (English and German) • Strafgesetzbuch (Criminal code – StGB) – notably Sections 118 et seqq.: https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=10002296 (German) • Sicherheitspolizeigesetz (SPG) – notably Section 55 on Security Clearances: https://www.ris.bka.gv.at/GeltendeFassung.wxe?Abfrage=Bundesnormen&Gesetzesnummer=10005792# (German)
Belgium	• Act of 1 July 2011 on the security and protection of critical infrastructures (Wet van 1 juli 2011 betreffende de beveiliging en de bescherming van de kritieke infrastructures) • Act of 7 April 2019 establishing a framework for the security of network and information systems of general interest for public security (Wet van 7 april 2019 tot vaststelling van een kader voor de beveiliging van netwerk- en informatiesystemen van algemeen belang voor de openbare veiligheid) • Royal Decree of 12 July 2019 executing the Act of 7 April 2019 establishing a framework for the security of network and information systems of general interest for public security, and the Law of 1 July 2011 on the security and protection of critical infrastructures (Koninklijk besluit van 12 juli 2019 tot uitvoering van de wet van 7 april 2019 tot vaststelling van een kader voor de beveiliging van netwerk- en informatiesystemen van algemeen belang voor de openbare veiligheid, en van de wet van 1 juli 2011 betreffende de beveiliging en de bescherming van de kritieke infrastructures) • Ministerial Decree of 20 January 2023 delegating authority from the sectoral authority for the energy sector under the Act of 7 April 2019 establishing a framework for the security of network and information systems of general interest for public security (Ministerieel besluit van 20 januari 2023 houdende de delegatie van bevoegdheid van de sectorale overheid voor de sector energie in het kader van de wet van 7 april 2019 tot vaststelling van een kader voor de beveiliging van netwerk- en informatiesystemen van algemeen belang voor de openbare veiligheid) • • Act of 26 April 2024 establishing a framework regarding the cybersecurity of network and information system of general interest for public security (NIS2 law): https://www.ejustice.just.fgov.be/eli/loi/2024/04/26/2024202344/justel https://www.ejustice.just.fgov.be/eli/wet/2024/04/26/2024202344/justel • Royal Decree of 9 June 2024 implementing the Act of 26 April 2024 establishing a framework regarding the cybersecurity of networks and information systems of general interest for public security (NIS RD):

	http://www.ejustice.just.fgov.be/eli/arrete/2024/06/09/2024005260/moniteur http://www.ejustice.just.fgov.be/eli/besluit/2024/06/09/2024005260/staatsblad
Croatia	• The Cyber Security Act (Zakon o kibernetičkoj sigurnosti, Official Gazette, No. 14/24) Zakon o kibernetičkoj sigurnosti • The Regulation on Cyber Security (Uredba o kibernetičkoj sigurnosti, Official Gazette, No.135/24) Uredba o kibernetičkoj sigurnosti • The Critical Infrastructure Act (Zakon o kritičnim infrastrukturama, Official Gazette, No. 56/13, 114/22) https://narodne-novine.nn.hr/clanci/sluzbeni/2013_05_56_1134.html https://narodne-novine.nn.hr/clanci/sluzbeni/2022_10_114_1698.html
Czechia	For energy: • Act No. 458/2000 Coll., on the Conditions of Business and the Exercise of State Administration in Energy Sectors and on Amendments to Certain Acts (Energy Act), as amended; here • Decree No 408/2015 Coll., on the Electricity Market Rules; here • Decree No. 16/2016 Coll., on the Conditions of Connection to the Electricity Grid. here For cyber security: • Act No. 181/2014 Coll., on Cyber Security and on Amendments to Certain Acts (Cyber Security Act); here • Decree No. 82/2018 Coll., on Security Measures, Cybersecurity Incidents, Reactive Measures, Filing Requirements in the Field of Cybersecurity and Data Disposal (Cybersecurity Decree); here • Decree No. 437/2017, on the Criteria for Determining the Operator of the Basic Service; here • Decree No. 317/2014, on Significant Information Systems and their Determining Criteria; here • Government Decree No. 432/2010, on the Criteria for Determining a Critical Infrastructure Element. here Others: • Act No. 127/2005 Coll., on Electronic Communications and on Amendments to Certain Acts (Electronic Communications Act); here • Act No 240/2000 Coll., on Crisis Management and on Amendments to Certain Acts (Crisis Act); here • Act No. 365/2000 Coll., on Public Administration Information Systems and on Amendments to Certain Acts; here • Act No. 110/2019 Coll., on the Processing of Personal Data; here • Act No. 12/2020 Coll., on the Right to Digital Services; here

	• Act No. 134/2016 Coll; of Public Procurement; here • Act No. 263/2016 Coll; Atomic Energy Act; here • Decree 162/2017 Coll., on Security Assessment Requirements according to Atomic Energy Act. here
Denmark	• Til lovforslag nr. L 111, Folketinget 2024-25, Forslag til Lov om styrket beredskab i energisektoren
Estonia	• Cyber Security Act https://www.riigiteataja.ee/akt/121062024015?leiaKehtiv Please note that there is option for English as well - https://www.riigiteataja.ee/en/eli/519082024019/consolide • Estonian Information Security Standard (E-ITS) https://eits.ria.ee/ English version is available at the bottom of this page: https://eits.ria.ee/et/avalehe-menueue/juhendid (Note that the English version is not up to date and to be taken as informative but should still give a general overview of the standard) • Emergency Act https://www.riigiteataja.ee/akt/130062023022?leiaKehtiv Please note that there is option for English as well - https://www.riigiteataja.ee/en/eli/529122024011/consolide • Electricity Market Act https://www.riigiteataja.ee/akt/110102024008?leiaKehtiv English version - https://www.riigiteataja.ee/en/eli/514102024003/consolide
Finland	• Sähkömarkkinalaki 588/2013 (Electricity Market Act, https://www.finlex.fi/fi/laki/ajantasa/2013/20130588) • Ydinenergi laki 990/1987 (Nuclear Energy Act, https://www.finlex.fi/fi/laki/ajantasa/1987/19870990 , in English https://www.finlex.fi/en/laki/kaannokset/1987/en19870990_20200964.pdf) • Säteilyturvakeskuksen määräys ydinenergian käytön turvajärjestelyistä STUK Y/3/2020 (Radiation and Nuclear Safety Authority Regulation on the Security in the Use of Nuclear Energy, https://www.stuklex.fi/en/maarays/stuk-y-3-2020) • Säteilyturvakeskuksen määräys ydinvoimalaitoksen turvallisuudesta STUK Y/1/2018 (Radiation and Nuclear Safety Authority Regulation on the Safety of a Nuclear Power Plant, https://www.stuklex.fi/en/maarays/stuk-y-1-2018) • Act on Strong Electronic Identification and Electronic Trust Services (617/2009)

	• The Criminal Code (39/1889) • Cyber Security Law (124/2025) entered into force in Finland 8.4.2025 (Implementation of NIS2 directive) • EU Directive 2022/2555 on measures for a high common level of cybersecurity across the Union, (NIS2-Directive) • EU Directive 2022/2557 on the resilience of critical entities (Critical Entities Resilience Directive) • Electricity Market Act (386/1995)
France	• Code de la défense, articles L. 1332-6-1 et suivants et R. 1332-41-1 et suivants https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000006071307/LEGISCTA000028342645 https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000006071307/LEGISCTA000030407669 • Décret n°2015-350 du 27 mars 2015 relatif à la qualification des produits de sécurité et des prestataires de services de confiance pour les besoins de la sécurité des systèmes d'information. https://www.legifrance.gouv.fr/loda/id/JORFTEXT000030405903/ • Arrêté du 11 août 2016 fixant les règles de sécurité et les modalités de déclaration des systèmes d'information d'importance vitale et des incidents de sécurité relatives au sous-secteur d'activités d'importance vitale « Approvisionnement en énergie électrique » et pris en application des articles R. 1332-41-1, R. 1332-41-2 et R. 1332-41-10 du code de la défense (arrêté sectoriel électricité) https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000033063173&dateTexte=&categorieLien=id • Arrêté du 10 mars 2017 fixant les règles de sécurité et les modalités de déclaration des systèmes d'information d'importance vitale et des incidents de sécurité relatives au sous-secteur d'activités d'importance vitale « Nucléaire » et pris en application des articles R. 1332-41-1, R. 1332-41-2 et R. 1332-41-10 du code de la défense (arrêté sectoriel nucléaire) https://www.legifrance.gouv.fr/eli/arrete/2017/3/10/PRMD1703203A/jo/texte • Règlement d'exécution 2018/151 de la Commission européenne du 30 janvier 2018 http://eur-lex.europa.eu/legal-content/FR/TXT/HTML/?uri=CELEX:32018R0151&from=FR • Loi de transposition n° 2018-133 du 26 février 2018 portant diverses dispositions d'adaptation au droit de l'Union européenne dans le domaine de la sécurité https://www.legifrance.gouv.fr/loda/id/JORFTEXT000036644772

	• Décret n° 2018-384 du 23 mai 2018 relatif à la sécurité des réseaux et systèmes d'information des opérateurs de services essentiels et des fournisseurs de service numérique https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000036939971/ • Arrêté du 13 juin 2018 fixant les modalités des déclarations prévues aux articles 8, 11 et 20 du décret n° 2018-384 du 23 mai 2018 relatif à la sécurité des réseaux et systèmes d'information des opérateurs de services essentiels et des fournisseurs de service numérique https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000037102068/ • Arrêté du 1er août 2018 relatif au coût d'un contrôle effectué par l'Agence nationale de la sécurité des systèmes d'information en application des articles 8 et 14 de la loi n° 2018-133 du 26 février 2018 portant diverses dispositions d'adaptation au droit de l'Union européenne dans le domaine de la sécurité https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000037277276/ • Code de l'énergie, articles L. 341-4 et suivants et R. 341-4 et suivants https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000023983208/LEGISCTA000023986724/#LEGISCTA000023986724 https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000023983208/LEGISCTA000031749063/#LEGISCTA000031749063 • Arrêté fonctionnalités des systèmes de comptage évolués (art 4) https://www.legifrance.gouv.fr/loda/article_lc/LEGIARTI000025127229 • Code de l'énergie, articles L. 134-25 et suivants et R. 134-29 et suivants https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000023983208/LEGISCTA000023985804/#LEGISCTA000023985804 https://www.legifrance.gouv.fr/codes/section_lc/LEGITEXT000023983208/LEGISCTA000031747707/#LEGISCTA000031747707
Germany	• Gesetz über die Elektrizitäts- und Gasversorgung (Energiewirtschaftsgesetz - EnWG): EnWG.pdf (gesetze-im-internet.de) • IT-Sicherheitskataloge: Bundesnetzagentur - IT-Sicherheit • Gesetz über das Bundesamt für Sicherheit in der Informationstechnik (BSI-Gesetz - BSIG): BSIG.pdf (gesetze-im-internet.de)

	• Verordnung zur Bestimmung Kritischer Infrastrukturen nach dem BSI-Gesetz BSI-KritisV.pdf (gesetze-im-internet.de)
Greece	• Άρθρο 1 Αντικείμενο και πεδίο εφαρμογής (άρθρο 1 παράγραφοι 1, 3, 4, 5, 6, 7 της Οδηγίας 2016/1148/EE) • Άρθρο 2 (Άρθρο 2 της Οδηγίας 2016/1148/EE) • Άρθρο 3 Ορισμοί (Άρθρο 4 της Οδηγίας 2016/1148/EE) • Άρθρο 4 Φορείς εκμετάλλευσης βασικών υπηρεσιών (Άρθρο 5 της Οδηγίας 2016/1148/EE) • Άρθρο 5 Σοβαρή διατάραξη (Άρθρο 6 της Οδηγίας 2016/1148/EE) • Άρθρο 6 Εθνική Στρατηγική Κυβερνοασφάλειας (Άρθρο 7 της Οδηγίας 2016/1148/EE) • Άρθρο 7 Εθνική Αρχή Κυβερνοασφάλειας (Άρθρο 8 της Οδηγίας 2016/1148/EE) • Άρθρο 8 Ομάδα απόκρισης για συμβάντα που αφορούν την ασφάλεια υπολογιστών (CSIRT) (Άρθρο 9 της Οδηγίας 2016/1148/EE) • Άρθρο 9 Απαιτήσεις ασφάλειας και κοινοποίηση συμβάντων (Άρθρο 14 της Οδηγίας 2016/1148/EE) • Άρθρο 10 Εφαρμογή και επιβολή (Άρθρο 15 της Οδηγίας 2016/1148/EE) • Άρθρο 11 Απαιτήσεις ασφάλειας και κοινοποίηση συμβάντων (Άρθρο 16 της Οδηγίας 2016/1148/EE) • Άρθρο 12 Εφαρμογή και επιβολή (Άρθρο 17 της Οδηγίας 2016/1148/EE) • Άρθρο 13 Δικαιοδοσία και εδαφικότητα (Άρθρο 18 της Οδηγίας 2016/1148/EE) • Άρθρο 14 Εθελούσια κοινοποίηση (Άρθρο 20 της Οδηγίας 2016/1148/EE) • Άρθρο 15 Κυρώσεις (Άρθρο 21 της Οδηγίας 2016/1148/EE) • Άρθρο 16 • Άρθρο 17 Τροποποίηση του άρθρου 31 του ν. 3986/2011 • Άρθρο 18 • Άρθρο 19 Έναρξη ισχύος
Hungary	• Act LXXXVI of 2007 on Electricity; • Act CLXVI of 2012 on the Identification, Designation and Protection of Critical Systems and Installations (to be modified by 17 Oct. 2024 due to CER implementation);

	• Act L of 2013 on the Electronic Information Security of State and Local Government Bodies (to be modified by 17 Oct. 2024 due to CER implementation); • Act XXIII of 2023 on cybersecurity certification and cybersecurity supervision; • Government Decree 187/2015 (VII.13.) on the functions and powers of the authorities responsible for electronic information security and the information security supervisor, as well as the determination of closed electronic information systems; • Government Decree No. 280/2016. (IX. 21.) on measures to be taken in the event of a major disruption of the electricity system and a crisis in the supply of electricity; • Government Decree 271/2018 (XII.20.) on the functions and powers of incident response centres, and the rules for security incident response and technical investigation, and for conducting vulnerability testing; • Government Decree No. 374/2020. (VII.30.) on the identification, designation and protection of critical systems and facilities in energy; • No. 7/2024 (VI. 24.) MK Decree on the requirements for security classification and the specific security measures to be applied for each security class; • Other relevant documents: • Electricity supply codes: Operational Code, Commercial Code, International Operation and Commercial Code, Distribution Code; • Crisis Plan for the Prevention and Mitigation of an Electricity Crisis, • System recovery plan
Ireland	• European Union (Measures for a High Common Level of Security of Network and Information Systems) Regulations 2018 (the "NIS Regulations") (S.I No. 360 of 2018) https://rb.gy/05sxku • Criminal Justice (Offences Relating to Information Systems) Act 2017 https://rb.gy/8vtpbg • Criminal Justice (Theft and Fraud Offences) Act 2001 https://rb.gy/0xm803 • European Communities (Internal Market in Electricity) Regulations 2000 (S.I. No. 445 of 2000) https://rb.gy/qbdi62 Data Protection Act 2018 https://rb.gy/8busrl

Italy	- Article 9.1(b) DECRETO LEGISLATIVO 8 novembre 2021, n. 210 https://www.gazzettaufficiale.it/eli/id/2021/12/11/21G00233/sg - Delibera 08 marzo 2016 87/2016/R/eel https://www.arera.it/atti-e-provvedimenti/dettaglio/16/87-16 (Functional specifications enabling low voltage smart meters and performance of the related second generation (2G) smart metering systems in the electricity sector, pursuant to Legislative Decree 4 July 2014, n. 102) - CEI TS 13-82 Classificazione CEI: 13-82 Sistemi di misura dell'energia elettrica - Comunicazione con i dispositivi utente Parte 1: Casi d'uso CEI - CEI TS 13-82 (ceinorme.it) https://mycatalogo.ceinorme.it/cei/item/0000017398?sso=y - CEI TS 13-83 Classificazione CEI: 13-83 Sistemi di misura dell'energia elettrica - Comunicazione con i dispositivi utente Parte 2: Modello dati e livello applicativo CEI - CEI TS 13-83 (ceinorme.it) https://mycatalogo.ceinorme.it/cei/item/0000017399 - CEI TS 13-84 Classificazione CEI: 13-84 Sistemi di misura dell'energia elettrica - Comunicazione con i dispositivi utente Parte 3-1: Profilo protocollare PLC nella banda 125 kHz - 140 kHz (banda C) CEI - CEI TS 13-84 (ceinorme.it) https://mycatalogo.ceinorme.it/cei/item/0000017400 - Article 25 DECRETO LEGISLATIVO 8 novembre 2021, n. 210 https://www.gazzettaufficiale.it/eli/id/2021/12/11/21G00233/sg - Article 16-quater DECRETO LEGGE 16 settembre 2024, n. 131 https://www.gazzettaufficiale.it/eli/id/2024/11/14/24A06077/sg - DECRETO LEGISLATIVO 4 settembre 2024, n. 138 Recepimento della direttiva (UE) 2022/2555, relativa a misure per un livello comune elevato di cibersecurity nell'Unione, recante modifica del regolamento (UE) n. 910/2014 e della direttiva (UE) 2018/1972 e che abroga la direttiva (UE) 2016/1148. https://www.normattiva.it/esporta/attoCompleto?atto.dataPubblicazioneGazzetta=2024-10-01&atto.codiceRedazionale=24G00155 - DECRETO-LEGGE 21 settembre 2019, n. 105 Disposizioni urgenti in materia di perimetro di sicurezza nazionale cibernetica https://www.normattiva.it/urires/N2Ls?urn:nir:stato:decreto.legge:2019-09-21;105!vig=
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Latvia	National Cyber Security Law Nacionālās kiberdrošības likums (likumi.lv)
Lithuania	- Law on Cyber Security of the Republic of Lithuania: until 2024-10-17 https://www.e-tar.lt/portal/lt/legalAct/5468a25089ef11e4a98a9f2247652cf4/asr from 2024-10-18 https://www.e-tar.lt/portal/lt/legalAct/5468a25089ef11e4a98a9f2247652cf4/bjhGPylkxw - On the implementation of the Law of the Republic of Lithuania on Cyber Security (until 2024-10-17, on the process of change) https://www.e-tar.lt/portal/lt/legalAct/aea15050a53411e8acb39f2e6db7935b/asr - On the approval of the description of the procedure for the implementation and management of technical cybersecurity measures in state information resources and critical information infrastructure (until 2024-10-17, on the process of change) https://www.e-tar.lt/portal/lt/legalAct/7faa0300f3c611e4927fda1d051299fb/asr - On the adoption of the General Electronic Information Security Requirements and the Content Guidelines for Security Documents (the legal act will be valid until 2024-10-17) https://e-seimas.lrs.lt/portal/legalAct/lt/TAD/TAIS.454399/asr - Law on the Protection of Objects Important for National Security of the Republic of Lithuania https://www.e-tar.lt/portal/lt/legalAct/TAR.57E0E8B29108/asr - Approval of the Standard Cyber Incident Management Plan for Critical Information Infrastructures (the legal act will be valid until 2024-10-17) https://www.e-tar.lt/portal/lt/legalAct/cea217b06c1011ee8f3cbca2fb16d96d - Law on State and Official Secrets of the Republic of Lithuania https://www.e-tar.lt/portal/lt/legalAct/TAR.F4CA26A706AF/asr
Luxembourg	- Loi modifiée du 1er août 2007 relative à l'organisation du marché de l'électricité. https://legilux.public.lu/eli/etat/leg/loi/2023/06/09/a288/io - Loi du 28 mai 2019 portant transposition de la directive (UE) 2016/1148 (NIS Directive) du Parlement européen et du Conseil du 6 juillet 2016 concernant des mesures destinées à assurer un niveau élevé commun de sécurité des réseaux et des systèmes d'information dans l'Union européenne et modifiant la loi modifiée du 20 avril 2009 portant création du Centre des technologies de l'Information de l'État et la loi du 23 juillet 2016 portant création d'un Haut-Commissariat à la Protection nationale. https://legilux.public.lu/eli/etat/leg/loi/2019/05/28/a372/jo

	• Règlement ILR/N22/4 du 3 août 2022 portant définition des modalités de notification et des critères des incidents ayant un impact significatif sur la continuité des services essentiels du secteur de l'énergie - sous-secteur électricité. https://legilux.public.lu/eli/etat/leg/rilr/2022/08/03/a443/io • Règlement ILR/N22/7 du 15 septembre 2022 portant sur la notification des mesures de sécurité à prendre par les opérateurs de services essentiels - NISS*. https://legilux.public.lu/eli/etat/leg/rilr/2022/09/15/a484/io
Malta	• Legal Notice 216 of 2018: Measures for High Common Level of Security of Network and Information Systems Order, 2018 https://legislation.mt/eli/ln/2018/216/eng/pdf
Netherlands	• Wet beveiliging netwerk- en informatiesystemen (Wbni) wetten.nl - Regeling - Wet beveiliging netwerk- en informatiesystemen - BWBR0041515 (overheid.nl) • Elektriciteitswet – article. 16(1)(q) and article 16da wetten.nl - Regeling - Elektriciteitswet 1998 - BWBR0009755 (overheid.nl) • Besluit Grensoverschrijdend net Nederland – Verenigd Koninkrijk na Brexit – article 26 wetten.nl - Regeling - Besluit grensoverschrijdend net Nederland – Verenigd Koninkrijk na Brexit - BWBR0042110 (overheid.nl) • Besluit investeringsplan en kwaliteit elektriciteit en gas wetten.nl - Regeling - Besluit investeringsplan en kwaliteit elektriciteit en gas - BWBR0041487 (overheid.nl) • Regeling investeringsplan en kwaliteit elektriciteit en gas – article 4.1 wetten.nl - Regeling - Regeling investeringsplan en kwaliteit elektriciteit en gas - BWBR0041543 (overheid.nl) • Samenwerkingscode elektriciteit – article 7, 8, 9 and 10 wetten.nl - Regeling - Samenwerkingscode elektriciteit - BWBR0037937 (overheid.nl)
Poland	• Ustawa z dnia 5 lipca 2018 r. o krajowym systemie cyberbezpieczeństwa (t.j. Dz. U. z 2024 r. poz. 1077) • Ustawa z dnia 10 kwietnia 1997 r. Prawo energetyczne (t.j. Dz.U. z 2024 r. poza. 266 z późn. Zm.) • Ustawa z dnia 18 marca 2010 r. o szczególnych uprawnieniach ministra właściwego do spraw aktywów państwowych oraz ich wykonywaniu w niektórych spółkach kapitałowych lub grupach kapitałowych prowadzących działalność w sektorach energii elektrycznej, ropy naftowej oraz paliw gazowych (t.j. Dz.U. z 2023 r. poz. 2173 z późn. zm.) • Ustawa z dnia 26 kwietnia 2007 r. o zarządzaniu kryzysowym (t.j. Dz.U. z 2023 r. poz. 122 z późn. zm.)

	• Ustawa z dnia 10 czerwca 2016 r. o działaniach antyterrorystycznych (t.j. Dz.U. z 2025 r. poz. 194) • Rozporządzenie Rady Ministrów z dnia 31 października 2018 r. w sprawie progów uznania incydentu za poważny (Dz.U. z 2018 r. poz. 2180) • Rozporządzenie Prezesa Rady Ministrów z dnia 26 kwietnia 2021 r. w sprawie pełnomocnika do spraw ochrony infrastruktury krytycznej (Dz.U. z 2021 r. poz. 793) • Rozporządzenie Rady Ministrów z dnia 30 kwietnia 2010 r. w sprawie planów ochrony infrastruktury krytycznej (Dz.U. Nr 83, poz. 542) • Rozporządzenie Ministra Klimatu i Środowiska z dnia 22 marca 2023 r. w sprawie szczegółowych warunków funkcjonowania systemu elektroenergetycznego (Dz.U. 2023 poz. 819) • Rozporządzenie Ministra Klimatu i Środowiska z dnia 22 marca 2022 r. w sprawie systemu pomiarowego (Dz.U. 2022 poz. 788) • Rozporządzenie Ministra Klimatu i Środowiska z dnia 10 stycznia 2022 r. w sprawie procesów rynku energii (Dz.U. 2022 poz. 234) • Rozporządzenie Ministra Klimatu i Środowiska z dnia 30 maja 2023 r. w sprawie wymagań dla standardów komunikacji pomiędzy licznikiem zdalnego odczytu a urządzeniami odbiorcy energii elektrycznej w gospodarstwie domowym oraz dla tych urządzeń na potrzeby komunikacji z licznikiem zdalnego odczytu (Dz.U. 2023 poz. 1142)
Portugal	• Law No. 109/2009 • Decree-Law No. 69/2014 • Law No. 46/2018 • Decree-Law No. 65/2021 • Regulation No. 183/2022 • Directive (EU) 2016/1148 of the European Parliament and of the Council of 6 July • Directive (EU) 2022/2555 of the European Parliament and of the Council of 14 • Decree-Law No. 15/2022 • Networks Operation Code approved by Regulation No. 816/2023, of 27 July • List of electricity smart grids key performance indicators reported by network operators to ERSE approved by Directive No.19/2024 of 19 August (Table 9 of Annex related to list of cybersecurity indicators)

Romania	• Law no.362/28.12.2018 concerning assurance of a high common security level of informatic network and systems (implementation of NIS 1 - pz.3): https://dnsc.ro/pagini/legislatie-autoritatea-NIS • Emergency Ordonance of Gouvernment (OUG) no. 104/22.09.2021 concerning constitution of National Directorate of Cybersecurity https://dnsc.ro/cautare?ceCaut=OUG+104
Slovakia	• Zákon č. 272/2016 Z. z. o dôveryhodných službách pre elektronické transakcie na vnútornom trhu a o zmene a doplnení niektorých zákonov (zákon o dôveryhodných službách) v znení neskorších predpisov 272/2016 Z.z. - Zákon o dôveryhodných službách pre elektronické transakcie na vnútornom trhu a o zmene a doplnení niektorých zákonov (zákon o dôveryhodných službách) • Zákon č. 69/2018 Z. z. o kybernetickej bezpečnosti a o zmene a doplnení niektorých zákonov v znení neskorších predpisov 69/2018 Z.z. - Zákon o kybernetickej bezpečnosti a o zmene a doplnení niektorých zákonov • Zákon č. 95/2019 Z. z. o informačných technológiách vo verejnej správe a o zmene a doplnení niektorých zákonov v znení neskorších predpisov 95/2019 Z.z. - Zákon o informačných technológiách vo verejnej správe a o zmene a doplnení niektorých zákonov • Zákon č. 45/2011 Z. z. Zákon o kritickej infraštruktúre a o zmene a doplnení niektorých zákonov v znení neskorších predpisov 45/2011 Z.z. - Zákon o kritickej infraštruktúre • Vyhláška NBÚ č. 164/2018 Z. z., ktorou sa určujú identifikačné kritériá prevádzkovej služby (kritériá základnej služby) 164/2018 Z.z. - Vyhláška Národného bezpečnostného úradu, ktorou sa určujú identifikačné kritériá prevádzkovej služby (kritériá základnej služby) • Vyhláška NBÚ č. 165/2018 Z. z., ktorou sa určujú identifikačné kritériá pre jednotlivé kategórie závažných kybernetických bezpečnostných incidentov a podrobnosti hlásenia kybernetických bezpečnostných incidentov 165/2018 Z.z. - Vyhláška Národného bezpečnostného úradu, ktorou sa určujú identifikačné kritériá pre jednotlivé kategórie závažných kybernetických bezpečnostných incidentov a podrobnosti hlásenia kybernetických bezpečnostných incidentov

	• Vyhláška NBÚ č. 166/2018 Z. z. o podrobnostiach o technickom, technologickom a personálnom vybavení jednotky pre riešenie kybernetických bezpečnostných incidentov 166/2018 Z.z. - Vyhláška Národného bezpečnostného úradu o podrobnostiach o technickom, technologickom a personálnom vybavení jednotky pre riešenie kybernetických bezpečnostných incidentov • Vyhláška NBÚ č. 362/2018 Z. z., ktorou sa ustanovuje obsah bezpečnostných opatrení, obsah a štruktúra bezpečnostnej dokumentácie a rozsah všeobecných bezpečnostných opatrení v znení neskorších predpisov 362/2018 Z.z. - Vyhláška Národného bezpečnostného úradu, ktorou sa ustanovuje obsah bezpečnostných opatrení, obsah a štruktúra bezpečnostnej dokumentácie a rozsah všeobecných bezpečnostných opatrení • Vyhláška Úradu podpredsedu vlády Slovenskej republiky pre investície a informatizáciu č. 179/2020 Z. z., ktorou sa ustanovuje spôsob kategorizácie a obsah bezpečnostných opatrení informačných technológií verejnej správy 179/2020 Z.z. - Vyhláška Úradu podpredsedu vlády Slovenskej republiky pre investície a informatizáciu, ktorou sa ustanovuje spôsob kategorizácie a obsah bezpečnostných opatrení informačných technológií verejnej správy • Vyhláška NBÚ č. 492/2022 Z. z., ktorou sa ustanovujú znalostné štandardy v oblasti kybernetickej bezpečnosti 492/2022 Z. z. Vyhláška, ktorou sa ustanovujú znalostné štandardy v oblasti kybernetickej bezpečnosti Aktuálne znenie • Vyhláška NBÚ č. 493/2022 Z. z. o audite kybernetickej bezpečnosti 493/2022 Z.z. - Vyhláška Národného bezpečnostného úradu o audite kybernetickej bezpečnosti
Slovenia	• Zakon o informacijski varnosti (Uradni list RS, št. 30/18, 95/21, 130/22 – ZEKom-2, 18/23 – ZDU-1O in 49/23) Information Security Act** (Official Gazette of the Republic of Slovenia, Nos. 30/18, 95/21, 130/22 – ZEKom-2, 18/23 – ZDU-1O, and 49/23) • Zakon o kritični infrastrukturi (Uradni list RS, št. 75/17 in 189/21 – ZDU-1M) Critical Infrastructure Act** (Official Gazette of the Republic of Slovenia, Nos. 75/17 and 189/21 – ZDU-1M) • Zakon o oskrbi z električno energijo (Uradni list RS, št. 172/21) Electricity Supply Act** (Official Gazette of the Republic of Slovenia, No. 172/21)

	• Sistemska obratovalna navodila za prenosni sistem električne energije Republike Slovenije (Uradni list RS, št. 29/16) System Operating Instructions for the Transmission System of the Republic of Slovenia (Official Gazette of the Republic of Slovenia, No. 29/16) • Uredba o izvajanju Uredbe (EU) o Mehanizmu za okrevanje in odpornost (Uradni list RS, št. 167/21) Decree on the Implementation of the Regulation (EU) on the Recovery and Resilience Facility (Official Gazette of the Republic of Slovenia, No. 167/21)
Spain	• Law 36/2015, of 28 September, on National Security https://www.boe.es/buscar/act.php?id=BOE-A-2015-10389 Regulatory impact of the standard: high. • Royal Decree 1150/2021, of 28 December, approving the 2021 National Security Strategy https://www.boe.es/buscar/act.php?id=BOE-A-2021-21884 Regulatory impact of the standard: high. • Order PCM/1029/2020, of 30 October, which publishes the Agreement of the National Security Council approving the procedure for the preparation of a new National Energy Security Strategy. https://www.boe.es/diario_boe/txt.php?id=BOE-A-2020-13662 Regulatory impact of the standard: low. • Order PCI/487/2019, of 26 April, which publishes the 2019 National Cybersecurity Strategy, approved by the National Security Council https://www.boe.es/buscar/act.php?id=BOE-A-2019-6347 Regulatory impact of the standard: high. • Order PRA/30/2018, of 22 January, which publishes the Agreement of the National Security Council, which creates and regulates the Specialised Committee on Energy Security. https://www.boe.es/buscar/doc.php?id=BOE-A-2018-796 Regulatory impact of the standard: medium. • Order PRA/33/2018, of 22 January, which publishes the Agreement of the National Security Council, which regulates the National Cybersecurity Council https://www.boe.es/buscar/act.php?id=BOE-A-2018-7999 Regulatory impact of the standard: medium • Royal Decree-Law 12/2018, of 7 September, on the security of networks and information systems. https://www.boe.es/buscar/act.php?id=BOE-A-2018-12257 Regulatory impact of the standard: high • Royal Decree-Law 7/2022, of 29 March, on requirements to guarantee the security of fifth-generation electronic communications networks and services

	https://www.boe.es/buscar/act.php?id=BOE-A-2022-4973 Regulatory impact of the standard: low • Royal Decree 43/2021, of 26 January, implementing Royal Decree-Law 12/2018, of 7 September, on the security of networks and information systems. https://www.boe.es/diario_boe/txt.php?id=BOE-A-2021-1192 Regulatory impact of the standard: high • Royal Decree 311/2022 regulating the National Security Scheme (ENS) https://www.boe.es/buscar/doc.php?id=BOE-A-2022-7191 Regulatory impact of the standard: High • Law 24/2013, of 26 December, on the Electricity Sector. https://www.boe.es/buscar/act.php?id=BOE-A-2013-13645 Regulatory impact of the standard: high • Law 17/2013, of 29 October, for the guarantee of supply and increase of competition in the insular and extra-peninsular electricity systems. https://www.boe.es/buscar/act.php?id=BOE-A-2013-11332 Regulatory impact of the standard: medium • Royal Decree 1955/2000, of 1 December, which regulates the activities of transport, distribution, marketing, supply and authorisation procedures for electricity installations. https://www.boe.es/buscar/act.php?id=BOE-A-2000-24019&tn=1&p=20221019 Regulatory impact of the standard: medium. • Royal Decree 413/2014, of 6 June, which regulates the activity of electricity production from renewable energy sources, cogeneration and waste. https://www.boe.es/diario_boe/txt.php?id=BOE-A-2014-6123 Regulatory impact of the standard: low. • Royal Decree 1183/2020, of 29 December, on access and connection to electricity transmission and distribution networks. https://www.boe.es/eli/es/rd/2020/12/29/1183/con Regulatory impact of the standard: low • Circular 1/2021, of 20 January, of the National Commission on Markets and Competition, establishing the methodology and conditions for access to and connection to the transmission and distribution networks of electricity production facilities. https://www.boe.es/buscar/act.php?id=BOE-A-2021-904 Regulatory impact of the standard: low • System Operator (OS) Operating Procedures: https://www.ree.es/es/actividades/operacion-del-sistema-electrico/procedimientos-de-operacion Regulatory impact of the standard: medium • Law 8/2011, of 28 April, which establishes measures for the protection of critical infrastructures. https://www.boe.es/buscar/act.php?id=BOE-A-2013-11332 Regulatory impact of the standard: high
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	• Royal Decree 704/2011, of 20 May, approving the Regulation on the protection of critical infrastructures. https://www.boe.es/buscar/act.php?id=BOE-A-2011-8849 Regulatory impact of the standard: high • Resolution of 8 September 2015, of the Secretary of State for Security, approving the new minimum contents of the Operator's Security Plans and the Specific Protection Plans. https://www.boe.es/buscar/act.php?id=BOE-A-2015-10060 Regulatory impact of the standard: low • Organic Law 3/2018, of 5 December, on the Protection of Personal Data and guarantee of digital rights https://www.boe.es/buscar/act.php?id=BOE-A-2018-16673 Regulatory impact of the standard: high. • Organic Law 10/1995, of 23 November, on the Criminal Code https://www.boe.es/buscar/act.php?id=BOE-A-1995-25444 Regulatory impact of the standard: medium • Budapest Convention. Instrument of Ratification of the Convention on Cybercrime, done in Budapest on 23 November 2001. https://www.boe.es/diario_boe/txt.php?id=BOE-A-2010-14221 Regulatory impact of the standard: medium
Sweden	Sweden doesn't have any specific legislation of relevance for cybersecurity aspects of cross-border electricity flows. There is legislation that addresses cybersecurity and where probably the same type of entities as in the NCCS are in scope: • The national NIS-legislation which however will be repealed next year when our NIS2-legislation is to come into force, which as of today is not finished. The NIS(1)-law can be found: Lag (2018:1174) om informationssäkerhet för samhällsviktiga och digitala tjänster Sveriges riksdag (riksdagen.se) and energy prescriptions connected (STEMFS 2021:3): Föreskrifter (energimyndigheten.se). • The Swedish Protective Security Act. This Act however essentially focuses on our national security but has comprehensive requirements for, among other things, cybersecurity and could include the same type of entities in scope of NCCS (Protective Security Act (2018-585) - Government.se).

Annex I

Annex 1 can be found as a companion document to this provisional list of standards. The document is called “*Annex1 – Minimum and Advanced Cyber Security Controls.xlsx*”