

EtherWAN Environmental Compliance Standard

益網科技環境合規性標準

EtherWAN is aware of its responsibility to protect people and the environment and provides the legal requirements regarding substances of concern, composition, and recycling as a minimum requirement for its own environmental product requirements.

益網科技深知保護人類與環境的責任，並將有關關注物質、成分與回收的法規作為其產品環保要求的最低要求。

To ensure that all third parties in a supply relationship with EtherWAN fulfil these requirements, we apply the EtherWAN Environmental Compliance Standard. Still, it does not release from applicable international, European, and national legal regulations.

為確保與益網科技建立供應關係的第三方均符合這些要求，我們採用益網科技環境合規性標準。然而，此標準並不取代任何適用的國際、歐盟或國內法規。

1. General Information 一般資訊

The standard contains bans and restrictions of substances that generally apply to articles or specifically to articles of the electric and electronic industry. It is based on European legislation as well as selected national, regional, or international regulations that are applicable to EtherWAN products and markets. The content and update of the substance list is based on the international standard for products of the electrical industry IEC 62474 (see: <http://std.iec.ch/iec62474>). Substance prohibitions, thresholds, and applications relevant to EtherWAN products are provided in Annex I. The legal basis of the substance prohibition list is provided in Annex II. Relevant changes compared to the previous edition are marked in blue. Substance requirements that go beyond European legislation are marked in red.

此標準包含適用於一般性產品和電器及電子行業產品的特定應用的禁限用成分要求。此標準基於歐盟法規以及適用於益網科技產品和市場的選定國家、地區或國際法規。物質清單的內容與更新參照國際電氣產業標準 IEC 62474 (參考: <https://std.iec.ch/iec62474>)。附件 I 中提供了與益網科技產品相關的禁限用成分、限值和應用，成分禁限用清單的法律基礎摘要總結於附件 II。與上一版本相比，相關更改以藍色標記，紅色字體適用於超出歐洲法規的成分要求。

2. Scope 範圍

The EtherWAN Environmental Compliance Standard applies to all deliveries of products by the supplier to a company of the EtherWAN Group (the respective company referred to as "EtherWAN") as well as to all work and services provided by the supplier on behalf of EtherWAN.

益網科技環境合規性標準適用於供應商交付給益網科技集團旗下公司的所有產品 (以下簡稱“益網”)，以及供應商代表益網提供的所有工作和服務。

3. Mandatory Requirements 強制性要求

Requirements that must be fulfilled for all delivery items of the supplier at the time of delivery to EtherWAN.

在向益網科技交貨時，供應商的所有交貨物必須滿足的要求。

3.1 Substance Bans and Restrictions 物質禁令和限制

The supplier ensures compliance with the substance requirements of Annex I for all delivery items,

regardless of being within the scope of the regulation or not. The requirements are also fulfilled by compliance with valid exemptions of the respective regulation, if the supplier can certify compliance with the increased limit values for each delivery item upon request.

供應商需確保所有交貨物符合附件 I 中的成分要求，並能在要求時證明符合禁限用物質要求。符合相關法規的有效豁免條款亦可視為符合。

3.2 Minamata Convention and Mercury 水俣公約和汞

The supplier ensures compliance with the requirements for mercury and mercury compounds in all products and manufacturing processes in accordance with the Minamata Convention of October 10, 2013 (BGBl. 2017 II p. 610, 611) and the Regulation (EU) 2017/852.

供應商需確保所有產品和生產過程中汞和汞化合物的要求均符合 2013 年 10 月 10 日通過的《水俣公約》(BGBl.2017 II p. 610, 611) 和 (EU) 2017/852 規定。

4. Additional Requirements 其他要求

Requirements for product-specific substance information or documentation that shall be ensured by the supplier and made available to EtherWAN upon request.

供應商應確保產品特定成分信息或文件的要求，並在需要時提供給益網科技。

4.1 RoHS Supplier Declaration RoHS 供應商聲明

Upon request, a product related declaration in accordance with the Directive 2011/65/EU (RoHS) and (EU) 2015/863 must be provided to EtherWAN. The supplier shall verify the conformity with the substance requirements and applicable valid exemptions by RoHS supplier declaration that meets the requirements of technical documentation in accordance with EN IEC 63000.

根據要求，供應商必須向益網科技提供符合指令 2011/65/EU (RoHS) 和 (EU) 2015/863 的產品相關聲明。供應商應提供符合 EN IEC 63000 技術資料要求的 RoHS 供應商聲明，以驗證是否符合成分要求和適用的有效豁免條款。

4.2 Information according to Article 33 of the REACH Regulation

根據 REACH 法規第 33 條的信息

Information corresponding to Article 33 of the Regulation (EC) No 1907/2006 (REACH) on the candidate list of substances of very high concern (SVHC) must be forwarded to EtherWAN as required by law or provide upon request. The current candidate list is available on the website of the European Chemicals Agency (ECHA): <http://echa.europa.eu/candidate-list-table> The supplier notes that the candidate list is regularly updated.

REACH 法規 (EC) No 1907/2006 第 33 條對應的高度關注物質 (SVHC) 候選清單的信息應在相應的現行版本清單中予以遵守，相關信息必須按照法律要求提供給益網科技。目前的候選清單可在歐洲化學品管理局 (ECHA) 的網站上查閱：<https://echa.europa.eu/candidate-list-table>。供應商應注意，候選清單會定期更新。

4.3 Declaration according to China RoHS II

符合中國 RoHS 2.0 的說明

Upon request, a declaration in accordance with Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products, Order No.32 including First Management Catalog ("China RoHS II") must be provided to EtherWAN. The supplier shall verify conformity with declaration table and recommendation for an EFUP value in accordance with the latest SJ/ T 11364 standard as well as RoHS supplier declaration in accordance with the GB/ T 36560-2018.

根據要求，供應商必須向益網科技提供一份符合《電器電子產品有害物質限制使用管理方法》(第 32 號令，包括達標管理目錄，即"中國 RoHS II") 的聲明。供應商應確認其是否符合聲明表以及根

據最新的 SJ/T 11364 標準對均質材料環保聲明 (EFUP) 值的建議，同時還要確認是否符合根據 GB/T 36560-2018 標準的供應商 RoHS 聲明。

4.4 Declaration according to Batteries Regulation

符合電池法規的聲明

Upon request, and depending on the type of battery, various information such as technical and safety data sheets, declarations of conformity and test reports must be provided to EtherWAN. In addition, machine-readable information is required for the Digital Product Passport.

根據需求，並依電池的類型不同，供應商須向益網科技提供各項相關資訊，例如技術與安全資料表、符合性聲明以及測試報告。此外，還需提供可供機器讀取的資訊以符合數位產品護照的要求。

5. Update of the Environmental Compliance Standard

環境合規性標準的更新

The EtherWAN Environmental Compliance Standard is revised annually and updated in case of relevant legal changes. The respective valid version of the standard is available on the EtherWAN website under "About EtherWAN>Compliance" (see: <https://www.etherwan.com/about-etherwan/compliance>) or will be made available to the supplier upon request. The supplier will be informed by EtherWAN of any changes compared with the previous version of the standard. The supplier has a special right of termination that he can assert within 4 weeks after receiving the information. If no notice of is given, the requirements from the amended EtherWAN Environmental Compliance Standard will apply to subsequent deliveries. 益網科技的環境合規性標準每年進行修訂，並根據相關法律的變化進行更新。該標準相應有效版本可在益網科技官方網站的"關於我們>合規性"下查看(參閱：<https://www.etherwan.com/about-etherwan/compliance>)，也可應要求提供給供應商。益網科技將告知供應商與之前版本的標準相比的任何變化。供應商在收到信息後的 **4周內** 可以對該標準任何有不同意見與益網科技進行溝通。如果未反饋任何有不同意見，修訂後的益網科技環境合規性標準的要求將適用於後續交付。

6. Information obligations of the supplier in case of changes

發生變更時供應商的告知義務

The supplier is obliged to inform EtherWAN immediately if the delivery items no longer comply with the requirements of the EtherWAN Environmental Compliance Standard. Suppliers are required to promptly update all product-related information in the EtherWAN GPM system <https://www.ezgpm.net> 若交付之品項不再符合益網科技環境合規性標準之要求，供應商有義務立即通知益網科技，在這種情況下應立即於益網科技 GPM系統 (<https://www.ezgpm.net>) 中更新所有產品相關資訊。

Annex I: Substance prohibition list of the EtherWAN Environmental Compliance Standard

附件 I: 益網科技環境合規性標準禁限用物質清單

Substance / Substance group	CAS-No.	Threshold per Application
Asbestos		general prohibition in articles
Cadmium and Cadmium compounds		0,01 weight% in homogeneous material 0,002 weight% in portable batteries (< 5 kg) 0,01 weight% cumulated Pb, Cr, Hg in packaging material
Chromium (VI) compounds		0,1 weight% in homogeneous material 0,01 weight% cumulated Pb, Cd, Hg in packaging material
Chlorinated Paraffins Short-chain Chlorinated Paraffins (SCCPs)		0,15 weight% in articles
Dimethylfumarate (DMF)	624-49-7	0,0001 weight% in articles
Flame retardants Dechlorane Plus including its syn- and anti-isomer		0,0001 weight% in articles
Halogenated Flame Retardants Hexabromocyclododecane (HBCD, HBCDD) Mirex Octabromodiphenylether Polybrominated Biphenyls (PBBs) Polybrominated Diphenylethers (PBDEs) Phenol, isopropylated, phosphate (3:1) (PIP (3:1))	2385-85-5 68937-41-7	0,1 mass% of halogen content in enclosure and stand of electronic displays with a screen area greater than 100 cm ² 0,0075 weight% in articles general prohibition in articles 0,1 weight% in articles 0,1 weight% in homogeneous material 0,05 weight% in articles general prohibition in articles
Fluorinated Greenhouse Gases (PFC, SF6, HFC)		general prohibition in articles
Hexachlorobutadiene	87-68-3	general prohibition in articles
Lead and Lead compounds		0,1 weight% in homogeneous material 0,1 weight% in PVC material 0,01 weight% in portable batteries (< 5 kg) 0,01 weight% cumulated Cd, Cr, Hg in packaging material
Mercury and Mercury compounds		0,1 weight% in homogeneous material 0,0005 weight% in batteries 0,01 weight% cumulated Pb, Cd, Cr in packaging material
Organotin compounds Dibutyltin (DBT) compounds Tri-substituted organostannic compounds		0,1% by weight of tin in articles
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)		general prohibition in articles
Polychlorinated Biphenyls (PCBs) and specific substitutes Polychlorinated Biphenyls (all isomers and congeners) Monomethyltetrachlorodiphenylmethane Ugilec 141 Monomethyldichlorodiphenylmethane Ugilec 121/21 Monomethyldibromodiphenylmethane DBBT	1336-36-3 76253-60-6 81161-70-8 99688-47-8	general prohibition in articles
Pentachlorophenol and its salts and esters	87-86-5 and others	0,01 weight% in articles
Per- and polyfluoroalkyl substances (PFASs) C9-C14 linear and/or branched perfluorocarboxylic acids (C9- C14 PFCAs), their salts and C9-C14 PFCAs-related substances Perfluorooctanoic acid (PFOA), ist salts and PFOA-related compounds Perfluorooctane sulfonate (PFOS) C8F17SO2X, halogenide, amide and other derivatives including polymers Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	335-67-1	25 ppb (salts) or 260 ppb (related) in articles 25 ppb (salts) or 1 ppm (related) in articles 0,1 weight% in articles 25 ppb (salts) or 1 ppm (related) in articles
Phthalates Di(2-ethylhexyl) phthalate (DEHP) Dibutylphthalate (DBP) Benzylbutylphthalate (BBP) Diisobutyl phthalate (DIBP)	117-81-7 84-74-2 85-68-7 84-69-5	0,1 weight% in homogeneous material 0,1 weight% in plasticized material
Polycyclic aromatic hydrocarbons (PAH)		0,0001 weight% in hand tools
Polychlorinated naphthalene		general prohibition in articles
Polychlorinated terphenyls (PCTs) (all isomers and congeners)	61788-33-8	0,005 weight% in articles
UV absorbers 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	general prohibition in articles

Relevant changes to the previous edition are marked in blue.

Requirements that go beyond European legislation are marked in red.

For detailed information on substance groups and CAS number see: <http://std.iec.ch/iec62474>

對上一版本的相關更改以藍色標記。超出歐洲法規的要求將標記為紅色。有關物質組和 CAS 號的詳細信息，請參閱：<http://std.iec.ch/iec62474>

Annex II: Legal basis of EtherWAN Environmental Compliance Standard

附件 II: 益網科技環境合規性標準的法律依據

EU-Regulation	
EC/1907/2006 Annex XVII	REACH / Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals with regards to Annex XVII
EU/2019/1021	POP / Regulation (EU) 2019/1021 of the European parliament and of the council of 20 June 2019 on persistent organic pollutant
EU/2024/590	Ozone-depleting / Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 on substances that deplete the ozone layer, and repealing Regulation (EC) No 1005/2009
EU/2024/573	F-Gas / Regulation (EU) 2024/573 of the European Parliament and of the Council of 7 February 2024 on fluorinated greenhouse gases, amending Directive (EU) 2019/1937 and repealing Regulation (EU) No 517/2014
2011/65/EU	RoHS / Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
94/62/EC	Packaging / European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste
EU/2023/1542	Batteries / Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation (EU) 2019/1020 and repealing Directive 2006/66/EC
EU/2019/2021	Ecodesign / Commission Regulation (EU) 2019/2021 of 1 October 2019 laying down ecodesign requirements for electronic displays pursuant to Directive 2009/125/EC of the European Parliament and of the Council, amending Commission Regulation (EC) No 1275/2008 and repealing Commission Regulation (EC) No 642/2009
2017/852/EU	Mercury / Regulation (EU) 2017/852 of the European Parliament and of the Council of 17 May 2017 on mercury, and repealing Regulation (EC) No 1102/2008
USA national	
TSCA, Section 6	TSCA / U.S. Toxic Substance Control Act, Section 6
China national	
MIIT Order 32	China RoHS / Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products
International Conventions	
Minamata	Mercury / Minamata Convention of 10 October 2013 on Mercury
Stockholm	POP / Stockholm Convention of 23 May 2001 on Persistent Organic Pollutants

For detailed questions on affected application or exemptions, the respective legal text should be noted.
 有關受影響的申請或豁免的詳細問題，應注意相應的法律文本。

Annex III: Confirmation of the EtherWAN Environmental Compliance Standard**附件 III: 益網科技環境合規性標準確認函**

The supplier guarantees to comply with the requirements specified in the respectively valid EtherWAN Environmental Compliance Standard and at the time of delivery in its delivery items, the substances specified in Appendix I are not contained or only below the required limit values. 供應商應保證遵守現行有效的益網科技環境合規性標準中規定的要求，在供應商交付的所有產品和專案中，附件 I 所列的所有禁限用物質應不包含或低於規定的限值。

The current version of the EtherWAN Environmental Compliance Standard can be found on the respective EtherWAN website under "Compliance" or (see: <https://www.etherwan.com/about-etherwan/compliance>) or will be made available to the supplier upon request. 益網科技環境合規性標準的現行有效版本可在相對應的益網科技官方網站 "合規性" 頁面或 (<https://www.etherwan.com/about-etherwan/compliance>) 找到，或將相關要求提供給供應商。

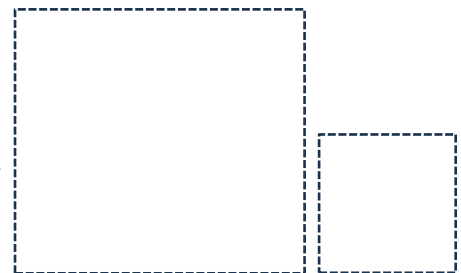
The supplier will be informed by EtherWAN in writing, about changes compared to previous editions. The supplier has a special right of termination that he can assert within **4 weeks** after receiving the information. If no notice of is given, the requirements from the amended EtherWAN Environmental Compliance Standard will apply to subsequent deliveries. 益網科技將以書面形式通知供應商與之前版本相比的變更。供應商有特殊之終止權，可於收到訊息後的**4周內**反饋。如果未發出通知，則修訂後的益網科技環境合規性標準的所有要求將適用於後續的交付。

Supplier signed confirmation 供應商簽署確認：

Company Name 公司名稱: _____

Authorized Signature 授權簽署人: _____

Date 日期: _____



Annex IV: RoHS / REACH Supplier Declaration**附件 IV: RoHS / REACH 供應商聲明書**

EtherWAN supplier statement according to DIN EN IEC 63000 and RoHS Directive 2011/65/EU, incl. (EU) 2015/863, as well as Article 33 of REACH Regulation (EC) No. 1907/2006.

益網科技供應商聲明依據 DIN EN IEC 63000、RoHS 指令 2011/65/EU (包括 (EU) 2015/863 修訂)· 以及 REACH 法規 (EC) No. 1907/2006 的第 33 條規定。

根據 DIN EN IEC 63000 和 RoHS 指令 2011/65/EU (包括 (EU) 2015/863) 以及 REACH 法規 (EC) 第 1907/2006 號第 33 條的益網科技供應商聲明。

The supplier ensures that the amount of limited substances according to Directive 2011/65/EU, incl. delegated Directive (EU) 2015/863, contained in the homogenous materials of the substances listed here, is below the permitted limits. Should there be any applicable exemptions, they must be explicitly enumerated in the annexed V < REACH / RoHS Substance List. >

供應商確保在這些所列物質的均質材料中，限制物質的含量符合指令 2011/65/EU，包括 (EU) 2015/863 的授權指令，均低於允許的限值。若有適用的豁免條款，請明確列於附件 V < REACH / RoHS 物質清單 > 中。

According to Directive 2011/65/EU and (EU) 2015/863, the following limitations currently apply:
根據 2011/65/EU 指令和 (EU) 2015/863，目前適用以下限制：

Lead (0.1%)	Polybrominated diphenyl ether (PBDE) (0.1%)
Mercury (0.1%)	Di(2-ethylhexyl)phthalate (DEHP) (0.1%)
Cadmium (0.01%)	Butylbenzylphthalate (BBP) (0.1%)
Hexavalent chromium (0.1%)	Dibutylphthalate (DBP) (0.1%)
Polybrominated biphenyls (PBB) (0.1%)	Diisobutylphthalate (DIBP) (0.1%)

Furthermore, the supplier ensures that the information provided to us has been assessed using a qualified evaluation method in the sense of DIN EN IEC 63000.

此外，供應商確保向我們提供的資訊已符合 DIN EN IEC 63000 的合格評估方法進行評估。

Information corresponding to Article 33 of the REACH Regulation (EC) No 1907/2006

The supplier confirms that the materials listed herein do not contain any SVHC from the current candidates list or these substances have been explicitly listed in the "REACH / RoHS Substance List".
The up-to-date list of candidate substances can be found at <http://echa.europa.eu/de/candidate-list-table>.

根據 REACH 法規 (EC) No 1907/2006 第 33 條的規定：

供應商確認此處列出的材料不含來自當前候選物質清單中的任何 SVHC，或者這些物質已明確列於“REACH / RoHS 物質清單”中。

候選物質的最新清單可在以下網址找到：<http://echa.europa.eu/de/candidate-list-table>。

Should the supplier gain knowledge of a limit exceedance of his delivered goods after the fact, he must immediately update the product-related information.

Confirmation of substance requirements for 2011/65/EU, incl. (EU) 2015/863 and (EC) No. 1907/2006.

如果供應商事後了解到其交付的貨物超過限值，必須立即更新產品相關訊息。

確認對於 2011/65/EU，包括 (EU) 2015/863 和 (EC) No. 1907/2006 的物質要求：

Supplier signed confirmation 供應商簽署確認：

Company Name 公司名稱: _____

Authorized Signature 授權簽署人: _____

Date 日期: _____





Annex V: REACH / RoHS substance list

附件 V: REACH / RoHS 物質清單

The following data is only valid in conjunction with <Annex IV – RoHS / REACH Supplier Declaration>

以下數據僅與 <附件四 – RoHS / REACH 供應商聲明書> 搭配使用有效

EtherWAN Part Number 益網料號	Part Description 料件品名	Supplier Part Number 供應商料號	RoHS Exemption 適用豁免條款	Alternative Material for the Exemptions 適用豁免條款的部件	Changeover Date 生效日期	SVHC Contained? If yes: CAS-No. ? 是否含有 SVHC? 如果含有，請填寫 CAS No. ?	How Much Weight% (SVHC) (SVHC) 含量 Weight%