

Barco legal requirements for suppliers

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Ver.	Date	Reason for revision
0.0	02/02/2015	Initial release
1.0	17/05/2016	Added ecodesign requirements for computers, external power supplies and motors; US regulation on energy efficiency of external power supplies; Canada mercury regulation; China Energy Label standard for Projectors; European directive on radio equipment Updated regulation names and dates
2.0	28/10/2016	Updated standard EN 55032 Updated US and Canada standards Corrected standard names
3.0	18/01/2017	Added chapter 3 (Barco substances list)
4.0	19/02/2018	Editorial changes in chapter 2 Added ecodesign regulations for chillers Added CQC energy conservation requirements Changed EICC code of conduct into RBA code of conduct §2 updated standard versions §2 add new standards Add §3 Wireless compliance requirements
4.1	22/08/2018	Added California Proposition 65
4.2	14/10/2020	Update ErP standards, add China RoHS 2, SCIP database reporting, EU conflict minerals, UAE RoHS, EAC RoHS, update HB standard, Saudi Arabia, Morocco, electrical safety standards, EMC/Wireless standards. China volatile organic compounds and limits.
4.3	31/08/2021	Added requirements for UK: UK RoHS; UK EMC; UK Safety; UK radio Regulations EU Conflict minerals, USA TSCA.
4.4	May/2023	Updated CN, EU, US and CAN standards in §2.1 Added requirements for Medical Electrical Equipment Added requirements on POP, Mercury

Worldwide legal requirements applying to suppliers of Barco

As Barco Supplier you are required to ensure compliance of your products, business and processes with the following minimum legal requirements:

1 Product Environmental Compliance

- EU: Regulation (EC) No.1907/2006 of the European Parliament and the Council on the Registration, Evaluation and Authorization and Restriction of Chemicals (REACH)
- EU: Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
- EU: Directive 2006/66/EC on batteries and accumulators and waste batteries and accumulators

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- EU: Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)¹
- EU: Directive 94/62/EC on packaging and packaging waste²
- EU: [Directive \(EC\) 2018/851](#) of the European Parliament and of the Council of 30 May 2018 amending Directive 2008/98/EC on waste WFD - Waste Framework Directive and associated SCIP database reporting. This Directive introduces the [Articles 9\(1\)\(i\) and 9\(2\)](#)
- EU: Energy-related Products Directive (ErP) 2009/125/EC
- (EU) 2023/826 of 17 April 2023 laying down ecodesign requirements for off mode, standby mode, and networked standby energy consumption of electrical and electronic household and office equipment
- EU: REGULATION (EU) No 2021/2019 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
- EU: Commission Regulation (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers¹
- Commission Regulation (EU) 2019/424 of 15 March 2019 laying down ecodesign requirements for servers and data storage products pursuant to Directive 2009/125/EC of the European Parliament and of the Council and amending Commission Regulation (EU) No 617/2013
- Commission Regulation (EU) 2019/1782 of 1 October 2019 laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulation (EC) No 278/2009
- EU: Commission Regulation (EU) No 4/2014 of 6 January 2014 amending Regulation (EC) No 640/2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for electric motors
- EU: Commission Regulation (EU) No 2016/2281 of 30 November 2016 implementing Directive 2009/125/EC of the European Parliament and of the Council establishing a framework for the setting of ecodesign requirements for energy-related products, with regard to ecodesign requirements for air heating products, cooling products, high temperature process chillers and fan coil units
- EU: Commission Regulation (EU) 2015/1095 of 5 May 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers
- EU: [\(EC\) 2017/821](#) laying down supply chain due diligence obligations for Union importers of tin, tantalum and tungsten, their ores, and gold originating from conflict-affected and high-risk areas. UK: The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (BS EN 63000:2018)
- US: Dodd-Frank Act – section 1502 (Conflict Minerals)
- US: Department of Energy, 10 CFR Part 430, Energy Conservation Program: Energy Conservation Standards for External Power Supplies, Final Rule, April 11 2014 and CFR 2022 title10 Vol3 part 430
- US: [US Toxic Substances Control Act \(TSCA\)](#) substance restrictions create for electronics manufacturers.
- California: Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
- Canada: Products containing mercury Regulations SOR/2014-254, November 7 2014
- China: China's management methods for the restriction of the use of hazardous substances in electrical and electronic products (China RoHS²)
- China: China Energy Label - Minimum allowable values of energy efficiency and energy efficiency grades for computer displays GB 21520 – 2015
- China: China Energy Label - Minimum allowable values of energy efficiency and energy efficiency grades for Projectors GB 32028 – 2015
- China: China Energy Label - Minimum allowable values of energy efficiency and energy grades for microcomputers GB 28380-2012
- China: CQC31-045201-2012 Energy conservation Certification Rules for Computers
- China: CQC31-452691-2016 Energy conservation certification rules for LED display unit
- China: CQC31-452629-2016 Energy conservation certification rules for computer monitors (as specified in the statement of work)

¹ For finished products only

² For guidance see [Quality Acceptance Manual Packaging](#)

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- China: CQC61-452628-2016 Energy conservation and environmentally-friendly certification rules for projectors (as specified in the statement of work)
- China: China WEEE, "Regulation on Recycling and Treatment of Discarded Electrical and Electronic Products" is the Chinese equivalent to EU WEEE.
- China: GB 38508-2020 Limits for Volatile Organic Compounds Content in Cleaning Agents
- China: GB 33372-2020 (substitute for GB/T 33372-2016) Limit of Volatile Organic Compounds Content in Adhesive
- China: GB 30981-2020 (substitute for GB 30981-2014) Limit of Harmful Substances of Industrial Protective Coatings
- China: GB 38507-2020 Limits of Volatile Organic Compounds (VOCs) in Printing Ink
- EU: POP Regulation 2019/1021
- Stockholm Convention on Persistent [Organic Pollutants](#)
- Minamata Convention on Mercury
- Barco [Code of Conduct](#)
- [Barco Restricted Substances List](#)

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2 Product Safety & EMC Compliance Requirements

2.1 Audio/video, information and communication technology equipment (non-medical)

- EU Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to electromagnetic compatibility (EMC)¹
- EU Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (LVD)¹
- EU Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing directive 1999/5/EC³
- EU: EN62368-1 : 2020(3rd Ed.)¹
- EU: EN55032:2015 + A11:2020¹
- EU: EN 61000-3-2 (2019)¹
- EU: EN 61000-3-3 (2013)¹
- EU: EN 55035 (2017)+A11:2020¹
- UK: Electromagnetic Compatibility Regulations (2016)¹
- UK: Electrical Equipment (Safety) Regulations (2016)¹
- UK: Radio Equipment Regulations 2017³
- International: CB scheme: IEC 60950-1:2005 (2nd Ed.) + A1(2009) + A2(2013)¹
- International: CB scheme: IEC 62368-1: 2018 (3rd Ed.)¹
- International: CB scheme: IEC 60825-1:2014 and IEC 62471:2006 and IEC 62471-5:2015⁴
- US and CAN: ANSI/UL 62368-1: 2019 (3rd Ed.) and CAN/CSA-C22.2 No 62368-1: 2019 (3rd Ed.)¹
- US – Code of Federal Regulations, Title 47, Part 15 (FCC) rules and regulations regarding unlicensed transmissions¹
- Canada: ICES-003 ~~Issue 6, January 2016~~ Issue 7, October 15, 2020 on ~~Spectrum Management and Telecommunications Interference-Causing Equipment~~ Information Technology Equipment (including Digital Apparatus)¹
- China CCC GB 4943.1-2022 - Audio/video, information and communication technology equipment—Part 1: Safety requirements
- China CCC GB/T 9254.1-2021 – Information Technology Equipment – multimedia equipment and receivers— Electromagnetic compatibility—Part 1: Emission requirements
- China CCC GB 17625.1-2012 – Electromagnetic Compatibility – Limits – Limits for harmonic current emissions (equipment input current ≤16A per phase)¹
- All applicable International (IEC), North American (UL), Canadian (CSA), UK (UKCA) and Chinese (CCC) component safety standards⁴

³ For finished products with wireless functionality only

⁴ For single safety critical components only

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2.2 Medical Devices

- EU Directive 2017/745 of the European Parliament and of the Council of 5 April 2017 on the harmonization of the laws of the Member States relating to medical devices (MDR) ¹
- EU: EN 62368-1 : 2020 (3rd Ed.) ¹
- EU: EN 60601-1: 2006 + A1: 2013 + A12:2014¹
- EU: EN 60601-1-2: 2015¹
- UK: Electromagnetic Compatibility Regulations (2016) ¹
- UK: Electrical Equipment (Safety) Regulations (2016) ¹
- UK: Radio Equipment Regulations 2017³
- International: CB scheme: IEC 60950-1:2005 (2nd Ed.) + A1(2009) + A2(2013) ¹
- International: CB scheme: IEC 62368-1: 2018 (3rd Ed.)¹
- International: CB scheme: IEC 60601-1:2005 + A1(2012) ¹
- US and CAN: ANSI/UL 62368-1: 2019 (3rd Ed.) and CAN/CSA-C22.2 No 62368-1: 2019 (3rd Ed.)¹
- US and CAN: ANSI/AAMI ES60601-1:2005/(R)2012 + A1(2012) ¹
- US and CAN: CSA CAN/CSA-C22.2 NO. 60601-1:14¹
- US – Code of Federal Regulations, Title 47, Part 18 (FCC) rules and regulations regarding unlicensed transmissions¹
- Canada: ICES-001 Issue 5, July, 2020 on Industrial, Scientific and Medical (ISM) Equipment⁻¹
- China CCC GB 4943.1-2022 - Audio/video, information and communication technology equipment—Part 1: Safety requirements¹
- China CCC GB/T 9254.1-2021 – Information Technology Equipment – multimedia equipment and receivers— Electromagnetic compatibility—Part 1: Emission requirements¹
- China CCC GB 17625.1-2022 – Electromagnetic Compatibility – Limits – Limits for harmonic current emissions (equipment input current ≤16A per phase)¹
- All applicable International (IEC), North American (UL), Canadian (CSA), UK (UKCA) and Chinese (CCC) component safety standards⁵
- All applicable regulatory requirements concerning safety processes, usability engineering, risk management, information and symbols. ¹

2.3 To the extent applicable as specified in the Statement of Work (SoW) or the Specification:

- Argentina: IRAM or S-mark certification
- Australia: RCM Regulatory Compliance Mark registration (Australian importers & manufacturers)
- Brazil: Inmetro certification (& ANVISA certification⁸)
- India: BIS registration according to the compulsory Registration of Goods Order, 2012
- Japan: PSE certification according to the Electrical Appliance and Material Safety Law.
- Taiwan: BSMI Bureau of Standards, Metrology & Inspection
- Korea: KC certification, Korea e-standby
- Belarus, Kazakhstan, Kyrgyzië, Armenia Russia (Customs Union):
EAC mark according to the Customs Union Technical Regulations:
 - Safety of Low-voltage equipment: LVE Technical Regulation 004/2011, CU TR 004/2011

⁵ For single safety critical components only

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- Electromagnetic Compatibility of Technical products: EMC Technical regulation, CU TR 020/2011
- Russia: only Medical classified products:
 - EAC Declaration of Conformity
 - EAUE RoHS technical regulation on the restriction of hazardous substances in electrical and electronic equipment: TR EAEU037/2016.
 - Medical Registration Certificate (MRC), FEDERAL LAW of November 21, 2011, No. 323-FZ "On Public Health Protection in the Russian Federation" – State Registration with RosZdravNadzor
- Saudi Arabia: Saber registration
- Morocco: CEM Declaration
- United Arab Emirates UAE: UAE RoHS UAE Cabinet Decision No. 10/2017

3 Wireless compliance requirements⁶

3.1 RF/EMC compliancy:

- EU: Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing directive 1999/5/EC
- UK: Radio Equipment Regulations 2017
- EU: EN 300 328 V2.2.2 (2.4GHz)
- EU: EN 301 893 V2.1.1 (5GHz)
- EU: EN 301 511 V12.5.1 (GSM – 2G)
- EU: EN 301 908-1 V13.1.1 (IMT cellular networks – 3G) conducted
- EU: EN 301 908-2 V11.1.2 (IMT cellular networks – 3G) radiated
- EU: EN 300 330 V2.1.1 (SRD – NFC)
- EU: EN 300 440 V2.2.1 ()
- EU: EN 301 489-1 V2.2.3
- EU: EN 301 489-17 V3.2.3 (Wifi / Bluetooth)
- EU: EN 301 489-52 V1.1.0 (Cellular communication Mobile)
- EU: EN 303 203 V2.1.1 (2015-11) Medical Body Area Network Systems
- US: ANSI C63.4-2014
- US: ANSI C63.10-2013
- US: 47 CFR FCC Part 15 Subpart B
- US: 47 CFR FCC Part 15 Subpart C (Section 15.247) (2.4GHz)
- US: 47 CFR FCC Part 15 Subpart E (5GHz)
- US :47 CFR FCC Part 22—Public Mobile Services (2G)
- US :47 CFR FCC Part 24— Personal Communications Services (3G)
- US :47 CFR FCC Part 27— Miscellaneous Wireless Communications Services (3G)
- US: FCC Grant of Equipment
- Canada: RSS-102 issue 5
- Canada: RSS-247 issue 1
- Canada: IC Technical Acceptance Certificate
- China: CCC GB/T 9254-2008 – Information Technology Equipment – Radio disturbance characteristics – Limits and methods of measurement (if applicable)
- China: SRRC

⁶ For finished products with wireless functionality only

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3.2 Health compliancy:

- EU: EN 60601-1-2:2015
- EU: EN 62209-2
- EU: EN 50566
- EU: EN 62479
- US: SAR 65C (MPE or Full SAR according to end user application)

4 Barco Substances list

Supplier certifies that all the supplied items comply with the Barco Substances List. Supplier shall disclose to Barco the existence of any hazardous material contained in the supplied items according to the requirements defined by the Barco Substances List.

Upon request from Barco and subject to reasonable confidentiality provisions which enable Barco to meet its compliance obligations, Supplier will provide Barco with the chemical composition, including proportions, of any substance, preparation, mixture, and alloy contained or incorporated into the supplied items, and any other relevant information or data regarding the properties including test data and hazard information.

The Barco Substances List can be consulted at [barco.com>Sustainability>Supplier Sustainability Program>Barco Substances List](https://barco.com/Sustainability/Supplier_Sustainability_Program/Barco_Substances_List)