

The Annex on Electronics of the EUSFTA



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EU-Singapore Free Trade Agreement Annex 4 on Electronics



Objectives (TBT general):

- » Eliminating and **preventing non-tariff barriers** to bilateral trade.
- » Basing their standards, technical regulations and conformity assessment procedures, wherever appropriate, on **relevant international standards**.
- » Eliminating duplicative and unnecessarily **burdensome conformity assessment procedures**.
- » **Enhancing cooperation** to foster the development of their bilateral trade in electronics.

Electronics (Annex 4 specific):

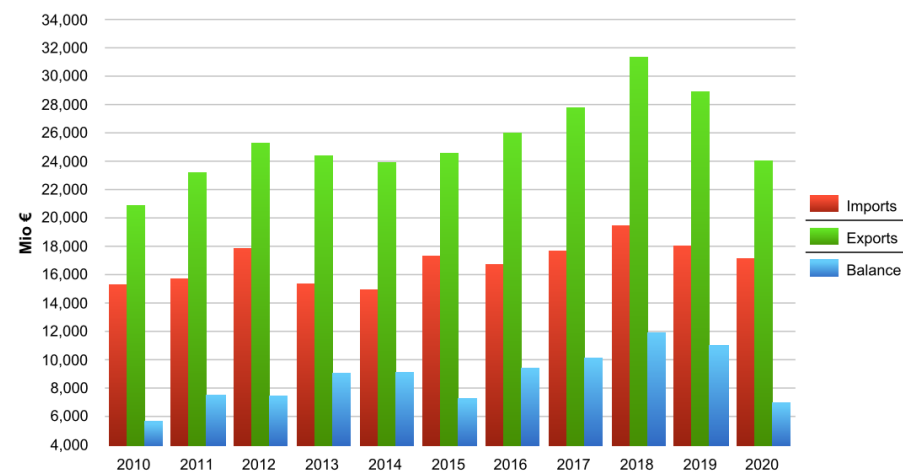
- » **Scope: Electrical and electronic equipment, electrical household appliances and consumer electronics.**
- » Pillars:
 - › Standards.
 - › Technical regulations.
 - › Conformity assessment procedures.
- » Alignment with international standards.

Trade flows EU-Singapore



Total goods: EU Trade flows and balance, annual data 2010 - 2020

Source Eurostat Comext - Statistical regime 4



Trade flows by SITC product grouping 2020

Source Eurostat Comext - Statistical regime 4

SITC Rev. 3 Product Groups	Imports				Exports			
	Value Mio €	% Total	% Extra-EU	% Growth	Value Mio €	% Total	% Extra-EU	% Growth
- Machinery and transport equipment	3,897	22.8	0.7	-21.0	10,601	44.2	1.4	-20.2
-- Office and telecommunication equipment	1,674	9.8	0.8	-13.1	2,955	12.3	2.9	1.5
--- Electronic data processing and office equipment	325	1.9	0.4	-28.8	725	3.0	2.2	4.0
--- Telecommunications equipment	414	2.4	0.4	-5.8	607	2.5	1.4	2.2
--- Integrated circuits and electronic components	935	5.5	2.4	-9.2	1,622	6.8	5.9	0.1
-- Transport equipment	428	2.5	0.3	10.4	2,558	10.7	0.9	-44.4
--- of which Automotive products	10	0.1	0.0	-19.6	636	2.7	0.3	-33.2
-- Other machinery	1,794	10.5	0.8	-31.4	5,088	21.2	1.4	-11.7
--- Power generating machinery	496	2.9	1.4	-64.8	836	3.5	1.9	-29.1
--- Non electrical machinery	812	4.8	0.9	20.0	2,796	11.7	1.2	-8.1
--- Electrical machinery	486	2.8	0.5	-8.4	1,456	6.1	1.4	-5.2

EU legal framework



» Directive 2014/30/EU (**Electromagnetic Compatibility Directive, EMCD**):

- › Non-wireless electric and electronic equipment.
- › Requirement: Ensure certain level of EMC.

» Directive 2014/35/EU (**Low Voltage Directive, LVD**):

- › Non-wireless electrical equipment designed for use with a voltage rating of between 50 and 1 000 V for AC and between 75 and 1 500 V for DC.
- › Requirement: High level of protection of health and safety.

» Directive 2014/53/EU (**Radio Equipment Directive, RED**):

- › Equipment with purposes of radio communication of radio determination.
- › Current requirements: Safety, EMC, efficient use of radio spectrum (avoid harmful interferences).
- › Future requirements: Galileo-based geo localisation (as of 3/2022), cybersecurity (as of 8/2024).
- › **Delegated act on cybersecurity, privacy and protection from fraud**:
 - Applicable as of 1/8/2024.
 - Radio equipment to incorporate features that ensure network resilience, users' privacy and protection from monetary fraud.

Standards and conformity assessment



- » **International Recognised standardisation bodies:** ISO, IEC, ITU.
- » In the EU, only **harmonised standards** provide with **presumption of conformity**.
- » Continuous improvement of the technical regulations in order to avoid barriers to trade.
- » Innovation vs requirements.
- » Preferred formula for EMC and safety: **Supplier's declaration of conformity + market surveillance**.
- » Avoid registration of products.

Standards and conformity assessment



Conformity assessment procedures in the EU-Singapore FTA:

- » **Third-party certification** may be required by Singapore for certain categories of products as regards safety and EMC requirements. List of products to be reduced after a **risk assessment**.
- » Singapore shall accept test reports issued by the following EU testing laboratories:
 - › Recognised under IECEE schemes.
 - › ILA-accredited.
 - › Voluntary arrangements with CABs.

Conformity assessment on the EU market:

- » Procedures:
 - › **Self-assessment**.
 - › **Third-party conformity assessment:** Based on notified bodies.
- » Manufacturers can freely select the procedure. Third-party conformity assessment is only **mandatory** for radio equipment when the manufacturer does not use harmonised standards.
- » The use of **harmonised standards in support of either EMC/LVD/RED** provides with **presumption of conformity** to the legal requirements.

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