

What is the ETSI EN 303 645 Cybersecurity Standard for Consumer Internet of Things (CIoT)

The exponentially increasing number of Internet-connected consumer products is creating a new paradigm where cybersecurity threats are rising in numbers.



CHALLENGES FACED BY CIOT MANUFACTURERS



Increased use of smart technologies opens a gateway for cybersecurity threats.



Technology is fragmented and constantly changing.



Lack of encryption leaves personal data vulnerable to hacks.



Manufacturers of devices that fail to meet cybersecurity expectations could incur severe losses.



New regulatory frameworks are increasingly being deployed with the rise of IoT and related technologies.

WHAT IS ETSI EN 303 645?



European cybersecurity standard for consumer IoT devices



Covers security requirements for:

- Equipment
- Communications
- Personal data protection



Created to support all parties involved in development and manufacture of Consumer IoT (CIoT) devices



Provides guidance to manufacturers on securing products by outlining:

- 13 cybersecurity areas of concern for CIoT
- Personal data protection provisions

WHAT DOES ETSI EN 303 645 COVER?

PERSONAL FITNESS DEVICES (TRACKER)



WEARABLES SUCH AS SMART WATCHES



SMART TVS



SMART HOME SOLUTIONS



CONNECTED TOYS AND BABYMONITOR



HOUSEHOLD SMART APPLIANCES: REFRIGERATOR, WASHING MACHINE, OVEN, DISHWASHER

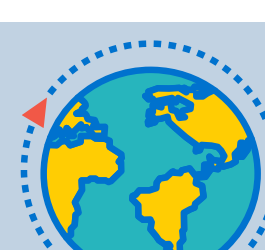
AND MANY MORE...

WHY MANUFACTURERS SHOULD IMPLEMENT ETSI EN 303 645 REQUIREMENTS IN THEIR PRODUCTS

01 >>>

ACCESS MORE MARKETS

Our worldwide network, expertise and knowledge will help you access more markets efficiently.



02 >>>

MINIMISE RISK

Your products will be more secure and comply with the required regulations.



03 >>>

GAIN COMPETITIVE ADVANTAGES

The proven security of your products will set you apart from other manufacturers.



04 >>>

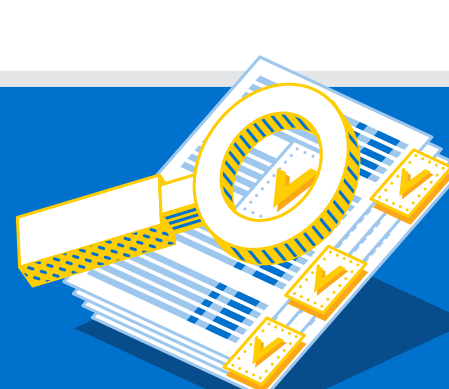
ACTIVE PIONEERING ROLE

Doing this actively contributes to strengthening trust in CIoT products, providing better orientation for consumers.



HOW CAN TÜV SÜD HELP YOU

- 1 Verify the current security status of your connected devices
- 2 Cybersecurity and data protection are our core capabilities
- 3 Years of experience in regulatory certification of products with wireless technologies
- 4 Provide support and engagement from product design, manufacturing to operations



Find out more about TÜV SÜD's cybersecurity solutions.

www.tuvsud.com/cybersecurity