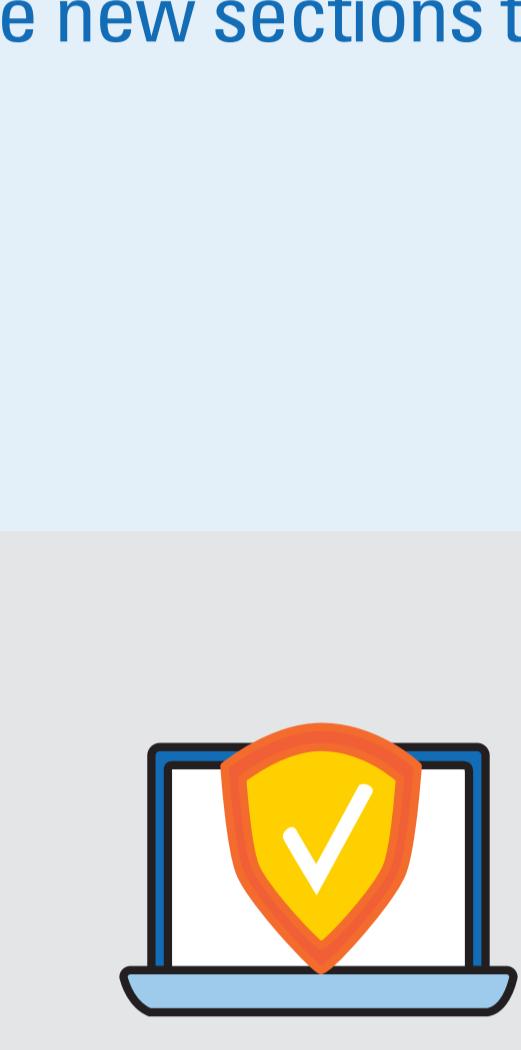


# THE NEW CYBERSECURITY REQUIREMENTS RADIO EQUIPMENT DIRECTIVE (RED) 2014/53/EU

## 5 KEY POINTS YOU SHOULD KNOW

### 1

#### WHAT IS THE EUROPEAN COMMISSION'S RADIO EQUIPMENT DIRECTIVE (RED)?



- Establishes a regulatory framework for radio equipment.
- Sets essential requirements for:
  - Health and safety.
  - Electromagnetic compatibility (EMC).
  - Radio.

To ensure that radio equipment is secure, additional RED essential requirements were introduced on 12 January 2022.

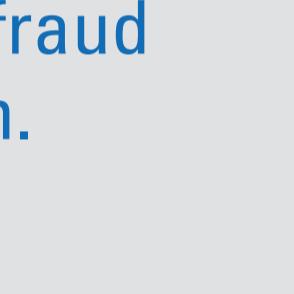
The additional RED provision has three new sections that target:



Network protection



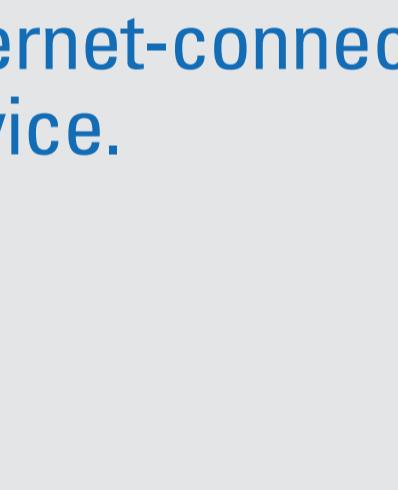
Personal data privacy



Fraud protection

### 2

#### TO ENHANCE NETWORK PROTECTION



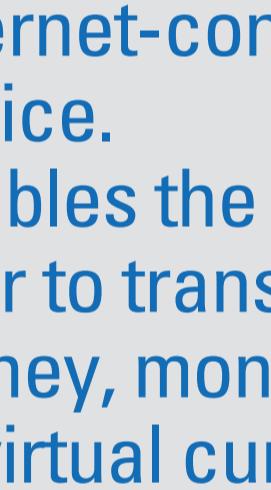
### 3

#### TO ENHANCE DATA PRIVACY



### 4

#### TO ENHANCE FRAUD PROTECTION



#### Radio Equipment Requirements:

- Does not harm the network or its functioning.
- Does not misuse network resources.
- Does not cause unacceptable degradation of service.

- Incorporates safeguards to protect personal data and privacy of users and subscribers.

- Contains features ensuring fraud protection.

\*Traffic data: information processed to communicate on electronic communications networks (e.g., routing and timing of a message).

#### Aims to:

- Shield against network attacks that render devices unavailable.

- Increase the protection of personal data and privacy.

- Safeguard the transfer of money, monetary value, or virtual currency.

#### Covers equipment that:

- Can communicate itself over the internet.
- Communicates via an Internet-connected device.

- Can communicate itself over the internet processing:
  - Personal data
  - Traffic data\*
  - Location data

- Can communicate itself over the internet.
- Communicates via an Internet-connected device.
- Enables the holder or user to transfer money, monetary value or virtual currency.

#### Example of Implementation:

- A system configuration of communication parameters alterable only by authorised users.

- Users are forced to change factory default credentials to unique credentials at first use.

- Using a token to prevent replay attacks.

### 5

#### HOW MUCH TIME DO MANUFACTURERS HAVE TO COMPLY WITH RED?



Essential requirements must be followed beginning 1 August 2024.



#### Typical Product Lifecycle

Concept  
(6 months)

2022  
RED cybersecurity  
requirements are likely to  
impact specifications of:

- Hardware
- Software modules
- Connectivity modules
- APP and cloud integration

Development  
(2 years)

Prototypes  
(6 months)

Production  
(1 month)

Distribution  
(2-4 months)

Articles 3.3(d), (e), (f) are  
mandatory from  
1 August 2024

2024



Get ready for the new cybersecurity RED provisions now.

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