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# Digital Europe – EU rules for the data economy

Huawei Connect Europe  
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# New EU rules relevant to IoT, cloud and big data

- 5G
- Privacy
- Cybersecurity
- Free flow of data

# 5G targets

- End 2017: National deployment roadmaps
- End 2020: Commercially available in one major city in each EU country
- By 2025: Coverage of all urban areas, major roads and railways

# 5G spectrum

- 3.4 – 3.8 GHz
- 700 MHz – must be available by June 30, 2020
- 26 GHz

# General Data Protection Regulation (GDPR)

- From May 2018
- New rights, e.g. personal data portability
- Data breach reporting
- Fines up to 4% annual turnover

# e-Privacy Regulation

- Under adoption, target May 2018
- Specific privacy rules for electronic communications
- Level playing field for telecoms and OTTs
- Consent required for processing metadata and content

# Network and Information Security (NIS) Directive

- Transposition deadline May 2018
- Cybersecurity requirements for critical infrastructure, incl. IoT verticals
- EU cooperation
  - Strategic planning
  - Incident response

| Essential services   | Digital services         |
|--|--------------------------|
| Energy: electricity, oil, gas  | Online marketplaces      |
| Transport: air, rail, water, road  | Search engines           |
| Banking  | Cloud computing services |
| Financial market infrastructures   |                          |
| Health sector  |                          |
| Drinking water   |                          |
| Digital infrastructure: <ul style="list-style-type: none"> <li>• Internet exchange points</li> <li>• Domain name system service providers</li> <li>• Top level domain name registries</li> </ul> |                          |



# Certification and labelling

- Sep. 2017: “Measures on cybersecurity standards, certification and labelling to make connected objects more cyber secure”

# Free flow of data

- Cloud: Data localisation restrictions
  - Legislative proposal in autumn 2017
- IoT: Data ownership, access and liability

# Personal data transfers outside EU

- EU-US Privacy Shield
  - First annual review Sep. 2017
- Adequacy decisions for Japan and Korea
- Brexit