

Overview of DORA

The objective of DORA is to improve the cybersecurity and operational resilience of all regulated European financial institutions and of critical, third-party ICT service providers.

The Digital Operational Resilience Act establishes a unified set of requirements for the security of network and information systems of companies and organisations operating in the financial sector, as well as third parties that provide ICT-related services to them (e.g., cloud platforms or data analytics services).

In addition, DORA establishes a regulatory framework on digital operational resilience, where all firms need to ensure they can withstand, respond to, and recover from all types of ICT-related disruptions and threats. The requirements are the same across all EU member states, as they aim to prevent and mitigate the growing number of cyber threats.

"To strengthen the ICT security and resilience of financial entities in Europe in the face of a severe operational digital disruption, and harmonise the rules for operational resilience across the European financial sector." (ESMA)



Main Obligations

undergo mandatory training.

Third Party Risk Management ICT-related Incident Management Organisations must identify, assess, and Major incidents must be reported continuously monitor the risks posed within 4 hours as an initial notification, by their third-party service providers and the following intermediate report to ensure operational resilience and must be submitted within 72 hours compliance with DORA. to the relevant supervisory authority. **OBLIGATIONS** Learning and Evolving Digital Operational Resilience Testing Members of the management bodies of Organisations must perform tests entities must approve security measures to demonstrate the effectiveness of and oversee their implementation. the implemented technical and non-To this end, they are also required to technical cybersecurity measures.

Organisations must conduct a risk analysis and implement appropriate measures to secure their network and information systems conform the DORA Regulatory Technical Standards. These measures must be approved and overseen by the organisation's management.

ICT Risk Management, Protection & Prevention





DORA In-Scope Entities

DORA applies to a wide range of organisations, including licensed financial institutions, such as banks, insurance companies, investment firms, stock exchanges, fintech companies, etc. and ICT third-party service providers such as cloud computing services, software, data analytics services and data centres.

DORA puts the relationship between the financial institutions and their technology suppliers in a new light to jointly address the regulatory requirements. Financial entities and ICT third-party service providers should increase their collaboration to address the requirements of this new regulation.



Financial entities

- Credit institutions
- Payment institutions
- Account information service providers
- ► Electronic money institutions
- ► Investment firms
- Crypto-asset service providers and issuers of assetreferenced tokens
- Central securities depositories
- Central counterparties
- Trading venues
- Trade repositories
- Managers of alternative investment funds
- Management companies
- Data reporting service providers
- Insurance and reinsurance undertakings
- Insurance intermediaries, reinsurance intermediaries and ancillary insurance intermediaries
- ▶ Institutions for occupational retirement provision
- Credit rating agencies
- ► Administrators of critical benchmarks
- Crowdfunding service providers
- Securitisation repositories

ICT third-party service providers*

- Providers of cloud computing services
- Software
- Data Analytics services
- Providers of data centre services
- Undertakings that are part of a financial group and provide ICT services predominantly to their parent undertaking, or to subsidiaries or branches of their parent undertaking
- Financial entities providing ICT services to other financial entities
- Participants in the payment services ecosystem, providing payment processing activities or operating payment infrastructure.

*This is not an exhaustive list. Please contact us for an assessment relevant to your business.

Responsibility for DORA Compliance

Overall, responsibility for this framework, and other governance obligations imposed by DORA, will rest on the firm's management, which will be responsible for reviewing, approving, implementing and updating the risk management framework.

Management will be required to have full awareness and understanding of the financial institution's ICT usage, services and risk profile. Companies may want to assess how reporting lines from their ICT department to senior management actually operate on a daily basis. The financial institutions that are subject to DORA must appoint a senior executive responsible for digital operational resilience and report incidents to the appropriate authorities.

Board responsibility for DORA Compliance - Art. 5 (2)



Ultimate Responsibility



Digital Resilience Strategy



Third-Party Service Providers



Data Integrity and Confidentiality



Business Continuity and Response Plans



Monitoring Third-Party Arrangements



Clear Roles and Responsibilities



Internal Audit and Budgeting



Continuous Education

Impact & Implications



Wider Implications

The goal of the EU-wide uniform legal framework for digital operational stability is to make sure that companies can react to ICT-related threats and interruptions. Cyber hazards are to be avoided or reduced in this way.

Management bodies would be completely accountable for their:

- ICT risk management;
- Establishing and approving its DORA strategy;
- Approving policy in relation to the Third-party ICT service providers

Companies are challenged to increase their operational resilience capabilities and concentrate on being able to map and understand the relationship between their ICT assets, processes and systems and how they support service delivery



Financial Entities

Significantly updated classification, notification, and reporting guidelines will put pressure on businesses to improve how they gather, analyze, escalate, and communicate information about ICT incidents and risks.

DORA requires that the impact of incidents and root cause analysis be assessed.

Streamlining of ICT incident reporting is required by the framework and this will ease the strain of meeting various incident reporting standards in the financial sector and contribute to a better understanding of global cyber risks.

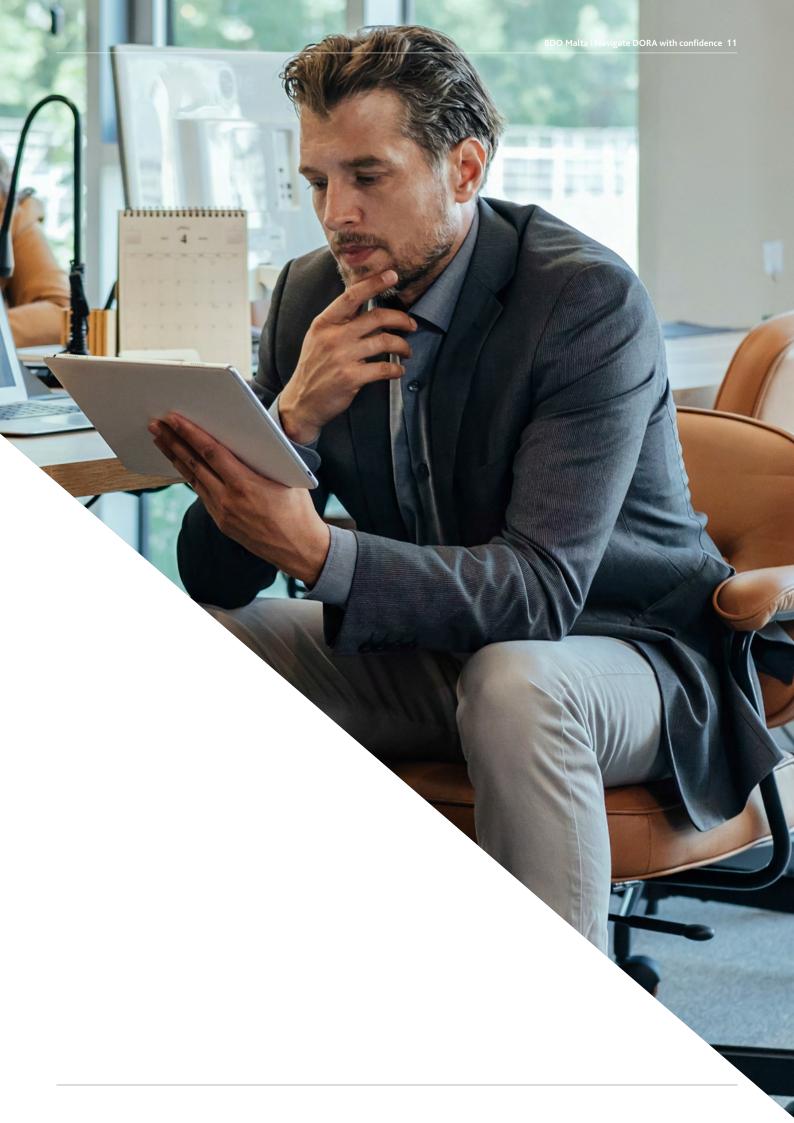
DORA requires that management develop redundant and sustainable systems to support their critical functions.



Penalties

Competent body can levy administrative penalties and remedial measures in case of any breach of the DORA regulations. However, the penalties for financial entities have not yet been set.

For a maximum of six months, critical ICT third-party service providers will be subject to fines of up to 1% of their average daily worldwide turnover from the prior business year, imposed daily until compliance is achieved.



Requirements

DORA lays out several key requirements, referred to as Level 1 regulations, to achieve its objectives. Described in the Act itself, these requirements are discussed in the context of DORA's five foundational pillars.



ICT Risk Management Requirements

(Articles 5 to 16)

- Governance:
 accountable
 management body
- Risk management framework and associated activities (identification, protection, detection, response and recovery, learning and evolving, crisis communication)



ICT-Related Incidents Management, Classification, and Reporting

(Articles 17 to 23)

- Standardised incident classification
- Compulsory and standardised reporting of major incidents
- Anonymized EU-wide reports



Digital Operational Resilience Testing

(Articles 24 to 27)

- Risk-based and proportionate testing program
- Large-scale threat tests performed by independent testers every 3 years



Managing of ICT Third-party Risk

(Articles 28 to 44)

- Strategy, policy and standardized ICT service provider register
- Guidelines for precontract assessment, contract contents, termination, stressed



Information Sharing Arrangements

(Article 45)

Encouraged to share threat information and intelligence

The main text of DORA is supplemented by important technical detail in a body of secondary legislation, referred to as level 2 regulations. The three European supervisory authorities (ESAs) were jointly appointed to draft these standards. The ESAs consist of the European Banking Authority (EBA), the European Insurance and Occupational Pensions Authority (EIOPA), and the European Securities and Markets Authority (ESMA).

- RTS on ICT risk management framework and on simplified ICT risk management framework.
- RTS on criteria for the classification of ICTrelated incidents
- RTS and ITS on content, timelines and templates on incident reporting
- RTS on threat-led penetration testing (TLPT)
- RTS to specify the policy on ICT services performed by ICT third-party providers
- ITS to establish the templates for the register of information
- RTS on subcontracting of critical or important functions
- RTS on oversight harmonization

These technical standards consist of two types:

- Regulatory technical standards (RTS), of which there are seven;
- Implementation technical standards (ITS), of which there are two.



BDO Services

BDO offers a comprehensive range of services designed to help clients manage their risks and comply with DORA.

By leveraging BDO's deep knowledge of business operations and risk management, combined with technical capabilities and threat intelligence, clients can effectively manage their cybersecurity risks. BDO's services include employee awareness training, incident response, third-party risk management, penetration testing, and internal audits. These services are aimed to ensure they comply with DORA regulations.



Governance

- Boardroom training
- ► Crisis simulations
- Employee awareness
- Phishing campaigns



Third Party Risk Management & Assurance

- ► Baseline assessment
- ► Due Diligence Questionnaire
- ► Third Party Risk Management
- ► Third Party Monitoring
- ► Third Party
 Assurance
 (ISAE3402 SOC1 /
 ISAE3000-SOC2)



SOC-SIEM

- Managed SOC Services
- ► Threat Intelligence Services
- VulnerabilityScanning
- ► Incident Response
- ► Forensic support



Threat Led Penetration Testing

- VulnerabilityAssessment
- ► Risk analysis
- External penetration testing
- ► Internal penetration Testing
- Web Application Testing
- ► Social Engineering
- ► Advanced Red Teaming (ART)



Internal Audit

- ► DORA implementation assessment
- Review control framework
- ► ICT Risk

 Management

 Framework
- ► ICT Response & Recovery Plans
- ► ICT Third Party Suppliers



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