

DORA Data Resilience Evidence Pack

Operational resilience evidence per EU 2022/2554 (DORA). ICT risk management, data integrity, incident reporting, third-party oversight.

Report ID: FO-DORA-20260218T201630 | Generated: 2026-02-18 20:16 UTC | Signer: 0x90d8b4ED...a69b3e

5/5 Services	43+ API Endpoints	73/149 Reports Anchored	1 Signing Keys
90/100 Health Index	10% Recession Risk	XRPL Anchor Chain	ACTIVE Anchoring

DORA Article Mapping

Evidence mapped to EU 2022/2554 (Digital Operational Resilience Act) requirements. Status reflects current operational state, not regulatory certification.

DORA Article	Requirement	Evidence	Status
Art. 6–14	ICT Risk Management	5/5 services monitored; systemd watchdog; Uptime Kuma health checks; failover RPC endpoints	OPERATIONAL
Art. 15–20	Incident Reporting	Standardized error codes (400/429/503); structured JSON responses; Structured logging (nginx); (14062+ entries)	OPERATIONAL
Art. 21–25	Resilience Testing	73 reports generated and verified; ECDSA signature validation; SHA-256 hash chain; XRPL blockchain anchoring with independent verification	OPERATIONAL
Art. 26–27	ICT Third-party Risk	4 external data sources (FRED, DeFiLlama, DexScreener, Etherscan); freshness tracking per source; circuit breaker on timeout; no single-source dependency for scoring	MONITORED
Art. 28–44	Oversight Framework	Cryptographic audit trail (ECDSA secp256k1); public JWKS endpoint for key verification; XRPL immutable anchoring; all evidence independently reproducible	OPERATIONAL

Service Inventory

Service	Port	Status	Running Since
feed-api	5080	ACTIVE	Sun 2026-02-15 12:4
macro-oracle	5100	ACTIVE	Sat 2026-02-14 11:0
rwa-risk-oracle	5210	ACTIVE	Mon 2026-02-16 20:5
verified-reports	5300	ACTIVE	Wed 2026-02-18 21:1
payment-api	5090	ACTIVE	Wed 2026-02-18 12:5

Cryptographic Controls

Control	Implementation	Status
Data Signing	ECDSA secp256k1 (ES256K)	ACTIVE
Hash Algorithm	SHA-256 (content + PDF)	ACTIVE
Key Discovery	JWKS at /.well-known/jwks.json	ACTIVE

Control	Implementation	Status
Blockchain Anchor	XRPL Ledger (memo field)	ACTIVE
Polygon (Planned)	Smart contracts deployed; RPC reconnection pending	PLANNED
Signer Address	0x90d8b4ED32FD4883...	ACTIVE

Third-Party Data Dependencies

Per DORA Art. 28–44: all external ICT service providers must be documented. Freshness reflects last successful data retrieval at report generation time.

Provider	Data Type	Series	Failover	Freshness
Federal Reserve (FRED)	Macro-economic	86 series	Cached fallback	Fresh
DeFiLlama	DeFi TVL/Yield	61 protocols	Cached fallback	LIVE
DexScreener	DEX Liquidity	Token pairs	Graceful degrade	Delayed
Etherscan	Contract Verification	On-chain data	Graceful degrade	Delayed

Known Limitations & Gaps

- **Blockchain anchoring:** XRPL serves as the active immutability layer for all reports. Polygon smart contracts are deployed but RPC reconnection is pending.
- **Formal SLAs:** Third-party data sources (FRED, DeFiLlama) are public APIs without contractual SLAs. Mitigation: cached fallback and multi-source redundancy.
- **Penetration testing:** No formal pentest report available. Planned for Q2 2026.

This evidence pack documents operational controls, not regulatory compliance status. Final DORA compliance determination requires assessment by a qualified auditor.

Provenance Block

Field	Value
report_id	FO-DORA-20260218T201630
generated_at	2026-02-18T20:16:30.345917+00:00Z
content_hash	3a7d4ebf43a64e5f89044278f012f3d14ffc7a8925394d69656afc0f0a3e093a
signature	0x9504d882c50d871ca20ffdb3fd8bd98facee705e...
key_id	feedoracle-prod-2026
jwt_url	https://feedoracle.io/.well-known/jwks.json
verify_url	https://feedoracle.io/reports/api/report/FO-DORA-20260218T201630/verify
anchor_chain	xrpl
anchor_tx	DB2F35F4799691979F0FC77A1F130AE0DFB5118DD1605C4B2EDFC51007BF0DC3
ttd_seconds	86400

Explorer: <https://xrpscan.com/tx/DB2F35F4799691979F0FC77A1F130AE0DFB5118DD1605C4B2EDFC51007BF0DC3>