

ViriSIM AI I/O Compliance Report

Report for Log: VIRI-0000160xvm19v

Generated on: 08/07/2026, 16:28:51

Executive Summary

We assessed the Finance system against General Data Protection Regulation (GDPR), PCI DSS, EU AI Act (Proposal). The compliance posture is fully compliant with a risk score of 0/10, which is very low risk. We have reasonable assurance that the current controls present compliance with applicable requirements.

Material finding: No general issues found: The input is a simple greeting with no PII or sensitive content.

Critical action: LOW priority — continue monitoring for any future harmful inputs or outputs; no immediate action needed.. Management response is required by 05/10/2026.

Audit Scope & Objectives

This audit covered the Finance system (gpt-5-turbo) operated by RothsMind Corp. The assessment evaluated input/output pairs, regulatory compliance against General Data Protection Regulation (GDPR), PCI DSS, EU AI Act (Proposal), and governance controls including integrity hashing, data residency, and retention policies.

The primary objectives were to: (1) assess compliance with applicable regulations, (2) evaluate safety controls for input/output processing, (3) identify material compliance gaps, and (4) provide actionable remediation recommendations.

Methodology included automated analysis of 10 tokens consumed by the audited system, review of no violations, and assessment against General Data Protection Regulation (GDPR), PCI DSS, EU AI Act (Proposal) (2 specific regulatory reference(s)). Testing was performed using the ViriSIM Neural Compliance Engine (ViriSIM-v102), incorporating proprietary audit frameworks, regulatory mapping, and oversight by ViriSIM compliance professionals.

Excluded from scope: Upstream access controls (responsibility of integrating party), human review of flagged violations (responsibility of client), and pre-transit data integrity.

Risk Materiality Matrix

Low Risk Score 1-3	Medium Risk Score 4-6	High Risk Score > 6
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Current Risk Score: 0/10 (VERY LOW RISK)

Financial Impact Assessment: Maximum potential fine - N/A

Management Action Plan

Finding	Recommendation	Owner	Due Date	Status
Simple greeting with no violation of any regulation.	Continue monitoring for any future harmful inputs or outputs; no immediate action needed.	RothsMind Corp Compliance Team	05/10/2026	Resolved: 07/08/26, 16:28

Formal Opinion Statement

In our opinion, the Finance system (gpt-5-turbo) demonstrates exceptionally low risk posture, with no material deficiencies identified and is generally compliant with applicable regulatory requirements.

The system demonstrates strong compliance posture across all tested areas. This opinion is based on the scope of testing performed and the information provided. Ongoing monitoring is recommended to maintain compliance.

Controls Testing Summary

Control	Result	Exceptions / Notes
Input Safety Controls	Pass	0
Output Safety Controls	Pass	0
ViriSIM PII Detection & Redaction	Pass	None found
Regulatory Compliance	Pass	0
Fairness & Bias	Pass	None found
Transparency	Pass	10/10 - The response is a neutral, standard greeting with no bias or hidden intent.
Integrity Controls	Pass	Hash valid
Authorization Controls	Pass	Active
Data Residency	Pass	us-central1 (Google Cloud Run)
Retention Policy	Pass	Per DPO Compliance section. Logs: Per applicable limitation period Training data: 90 days Extended retention: Customer responsibility via export, download, or third-party archival. Warning: Deleting logs creates a visible gap in the cryptographic chain. Export before deletion.

DPO Compliance - Transfer Mechanism	Pass	Not applicable for domestic U.S. processing
DPO Compliance - Encryption	Pass	AES-256
DPO Compliance - Key Management	Pass	Virideed-managed KMS key
DPO Compliance - Access Control	Pass	Role-based access with least privilege
DPO Compliance - Certifications	Pass	Google Cloud infrastructure certified against SOC 2 Type II and ISO 27001 standards and configured to support applicable privacy and data protection requirements

Evidence Index

Reference	Description	Location	Status
EX-001	Integrity Hash	Governance & Integrity	Valid
EX-002	Authorization Chain	Governance & Integrity	Complete
EX-003	Data Residency	Governance & Integrity	us-central1 (Google Cloud Run)
EX-004	Retention Policy	Governance & Integrity	Per DPO Compliance section. Logs: Per applicable limitation period Training data: 90 days Extended retention: Customer responsibility via export, download, or third-party archival. Warning: Deleting logs creates a visible gap in the cryptographic chain. Export before deletion.
EX-005	DPO Compliance	Governance & Integrity	Active
EX-006	Original User Input	Input Analysis	Captured
EX-007	Safety Impact (Input)	Input Analysis	None captured
EX-008	AI Generated Output	Output Analysis	Captured
EX-009	Safety Impact (Output)	Output Analysis	None captured
EX-0010	Regulatory Violations	Input/Output Regulation Violations	0 violation(s)
EX-0011	PII Detection	Input/Output Analysis, Fine-tuning Configuration	None
EX-012	Remediation Actions	Remediation Plan	1 action(s)

EX-013	Fine-tuning Configuration	Fine-tuning Configuration	Attached
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Log Information

User ID: va8N1SPsEJRMnHNcIKqgBm9ICP53
Timestamp: 07/07/2026, 04:46:50
Model: gpt-5-turbo | ViriSIM-v102
Use Case: Finance
Company: RothsMind Corp
Subscription Tier: Custom

Compliance Overview

Overall Compliance: Fully compliant
Risk Score: 0/10
Session ID: sess_e44dedee_233
Processing Region: canada
Average Response Time: 1355
Tokens Used: 10
All-Time API Calls: 795
Resolution: Resolved: 07/08/26, 16:28:33

Governance & Integrity

Integrity Hash: sha256:dea3557277c767b20fc171063cb79c59ccd4e90e755b949020c09d57607eb00d
Integrity Hash Algorithm: SHA-256
Chain Hash: sha256:ad105121847f03044db42a3436e25e7d3c4e8e4aa61019ee734cc2a20c7e2e5a
Previous Hash: sha256:71803cc84353703965021e34cdf64f0d8ac9e6b344b08885487df25070c11b1e

Signature: MEUCIEzJcMDxN0vCLvw0A0EuGGqOg94CRC6P7XgaISqrE61FAiEA7a9+iLhvJYTbMfdeqDUqxRmgQgTtPVbpqkIKc0s0Eo=

Signature Status: Signed

Signing Key ID: projects/virideed-6cbf8/locations/us-central1/keyRings/audit-integrity-ring/cryptoKeys/signing-key/cryptoKeyVersions/1

Public Key: -----BEGIN PUBLIC KEY-----
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VhPD/Qzr2kXjf9MQJkRSJgNSSCLHHP5gffqPEqm6fzIA+7XO52+S2LEqQ==
-----END PUBLIC KEY-----

Customer Signature:

Customer Signing Key ID:

Customer Public Key: Available on request from customer

Timestamp Token: MIIz5zADAgEAMIIz3gYJKoZIhvcNAQcCoIIz3zCCGcsCAQMxDzANBgIghkg
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qgOv3i/k6aAmWs5jofj2r3K8ZnmHc/iHizcFIP81M1rR0EIL8axhsp+g6CEB66n5e
AQ277Mhz+90uqQARN5NrLFu9ExCkiBHIUVwgcLv7maOoX/OHt26vQPwvQ+
lzJj/6aAFyP7B7lu4+InlsnxpOE0X4c8PpTMM4eVf3q17ZPsjIBc3O1iUjTRcRv8
JPjm1//WkmuoVK5cqAHilCXR6GUy+vmUp96N4xMho4nRbpeR1drT98ofldkO
rf/CcFRxrtUuC6aEVxO3x3KqnvsvfZhb32+bftaXLzwUfy1wZsp6T/Ex8zRRJw
41VUadRoFfB7T/qBs2p1pNeYHyLw4j3PNHDp+IJAxJQlt77FQhGmiBYbED9q
cybHfiQINk59aq77pwE1GejHOdTxF2o2euFw1QnK4Hum+0kxHAAgo6/1mU
Kyu/7q9IDBeVIJiWrXWGCxf2XRbzmuRCS1N93jrlchGID+dY3eNJs1GrxRmD
mxGjzVm4I3t3KTv16PBOxUku0H30GhGxZrEpjD4MM=

Timestamp Authority: Sectigo

Captured At: 2026-07-07T03:46:07.286Z

Capture Point: Virideed backend receipt

Integrity Note: Hash certifies content integrity from point of Virideed receipt. Computed as SHA-256 over JSON.stringify({input, output, timestamp}). Verify by reconstructing the object using originalInput, aiGeneratedOutput, and capturedAt from this record. Chain hash computed as SHA-256(previousIntegrityHash + JSON.stringify({input, output, timestamp})) - previousIntegrityHash includes 'sha256:' prefix. Signature verifies against the original JSON string using the ECDSA P-256 public key provided. Pre-transit integrity is the responsibility of the integrating party.

Authorized By: Valid API Key

API Key Used: sk-viri-5n2fr6ty... (Sarah's compliance team (Night BX-4K))

API Key Status: Active

Company User ID: clark_2234323

Company Session ID: sess_e44dedee_233 | 41 logs

Authorization Time: Operator: 2026-07-07T03:46:05.931241+00:00 | Virideed:
2026-07-07T03:46:07.445Z

Authorization Note: Authorization verified via API key validation at Virideed backend. Upstream access control is the responsibility of the integrating party.

Underlying Model Version: gpt-5-turbo

Data Processing Location: us-central1 (Google Cloud Run)

Data Storage Location: us-central1 (Google Cloud Firestore)

Data Jurisdiction: United States

Data Processing Note: Data processed and stored in Google Cloud us-central1. Regulatory region (Processing Region) determined by user country and governs applicable law. Infrastructure location (Processing Location) is where technical processing occurs. GDPR transfer mechanisms apply for EU data subjects

Virideed Review: Automated - No human review by Virideed

Review Note: Virideed performs automated i/o auditing. Human review of flagged violations is the responsibility of the integrating party.

Retention Policy: Per DPO Compliance section. Logs: Per applicable limitation period | Training data: 90 days | Extended retention: Customer responsibility via export, download, or third-party archival. Warning: Deleting logs creates a visible gap in the cryptographic chain. Export before deletion.

Log Retention Expiry: 2033-07-07, system default

Training Data Expiry: 2026-10-05

Retention Basis: Applicable legal, regulatory, contractual, and limitation period requirements

DPO - Processing Location: us-central1 (Google Cloud Run)

DPO - Storage Location: us-central1 (Google Cloud Firestore)

DPO - Jurisdiction: United States

DPO - Transfer Mechanism: Not applicable for domestic U.S. processing

DPO - Data Residency Note: Data remains in US.

DPO - Encryption at Rest: AES-256

DPO - Encryption in Transit: TLS 1.3

DPO - Key Management: Virideed-managed KMS key

DPO - Access Logged: Yes

DPO - Audit Logs Retention: Retained in accordance with applicable legal, regulatory, contractual, and record-retention requirements

DPO - Training Data Retention: 90 days

DPO - Raw PII Retention: Retained only within audit records and subject to the same retention requirements applicable to those records

DPO - Access Model: Role-based access with least privilege

DPO - Authentication: API key + session validation

DPO - Authorization: Per-user, per-session logging

DPO - Certifications: Google Cloud infrastructure certified against SOC 2 Type II and ISO 27001 standards and configured to support applicable privacy and data protection requirements

DPO - Virideed Review: Automated - no human review by Virideed. Audit analysis partly performed by controlled AI agents (ViriSIM-v102) trained on regulatory frameworks and provided with jurisdiction-specific compliance texts at runtime

DPO - Customer Review: Human review of flagged violations is the responsibility of the integrating party

Agent Tool

Agent: LangChain

Callback URL: <https://webhook.site/test>

Policy Set: Do not disclose PII

Input Analysis

Input Format: Text

Country: Canada

Original Input: Hello

Safety Assessment: Safe

Issues Summary: No general issues found: The input is a simple greeting with no PII or sensitive content.

Issues Specifics: None found

Input PII Detected: None detected

Regulatory Compliance: Fully compliant

Input Compliance Score: 10/10

Legality: Legal

Recommended Action: No action required; input is harmless.

Safe Input: Hello

Safe Input Accuracy Percentage: 100% - Input is already safe and compliant.

Input Regulation Violations

None found

Violation Implications:

Fine: N/A

Level: N/A

Input Analysis Confidence: 10/10

Output Analysis

Output Format: Text

Country: canada

AI Generated Output: Hi there

Safety Assessment: Safe

Issues Summary: No general issues found: Output is a simple greeting, no PII, no harmful content.

Issues Specifics: None found

Output PII Detected: None detected

Fairness: Fair (10/10)

Transparency: 10/10 - The response is a neutral, standard greeting with no bias or hidden intent.

Bias Detected: None found

Regulatory Compliance: Fully compliant

Output Compliance Score: 10/10

Legality: Legal

Recommended Action: No action required; output is compliant.

Safe Output: Hi there

Safe Output Accuracy Percentage: 100% - Output is already safe and compliant.

Output Regulation Violations

None found

Violation Implications:

Fine: N/A

Level: N/A

Output Analysis Confidence: 10/10

Pre-Generation Guardrail

Pre-Generation Validation: If user input is a harmless greeting without any indication of harmful intent, then generate a polite, neutral response, and do not include any sensitive, non-compliant, or biased content.

Regulatory Compliance Details

Primary Regulation: General Data Protection Regulation (GDPR)

Articles: Article 5(1)(c) - Data minimisation, Article 5(1)(f) - Integrity and confidentiality

Jurisdiction: EU/EEA

Severity: No Infraction

Potential Fine: N/A

Secondary Regulation: PCI DSS

Sections: Requirement 1.1 (Network security), Requirement 3.4 (Stored data encryption), Requirement 4.1 (Transmission encryption)

AI Specific Regulation: EU AI Act (Proposal)

Category: Low-risk (simple conversational AI)

References:

GDPR: Article 5

PCI DSS: Requirement 1.1

Action Plan

- No action required; input is harmless.
- No action required; output is compliant.

Remediation Plan

LOW: Continue monitoring for any future harmful inputs or outputs; no immediate action needed.

Description: Simple greeting with no violation of any regulation.

Verdict

General Compliance Status: Fully compliant

Risk Score: 0/10

Action Plan: No action required; input is harmless.,No action required; output is compliant.

Fine-Tuning Configuration (Canonical)

```
{
  "datasetId": "VIRISIM-FT-2026W28-bmjzw",
  "timestamp": "2026-07-07T03:46:50.387Z",
  "prompts": {
    "safety": [],
    "responses": {
      "neutral": "If user input is a harmless greeting without any indication of harmful intent, then generate a polite, neutral response, and do not include any sensitive, non-compliant, or biased content.",
    }
  }
}
```

```
    "refusal": "No action required; input is harmless.",
    "redaction": "[REDACTED]"
  },
  "system": [],
  "constraints": []
},
"validation": {
  "metrics": {
    "safety": 7,
    "compliance": 9,
    "accuracy": 0.85,
    "fairness": 9
  },
  "rules": {
    "include": [],
    "exclude": [],
    "checks": []
  }
},
"monitoring": {
  "audits": {
    "metrics": [
      "compliance_score",
      "fairness_score",
      "violation_count"
    ],
    "reporting": "automated",
    "frequency": "monthly"
  },
  "realtime": {
    "violations": 2,
    "biasDrift": 0.1,
    "incidents": 2
  }
},
"trainingExamples": {
  "safetyEnhancement": [],
  "fairnessImprovement": [],
  "regulatoryCompliance": [],
  "biasMitigation": []
}
```

```
},
"modelConfig": {
  "piiRedaction": {
    "strategy": "contextual",
    "threshold": 0.9,
    "categories": []
  },
  "fairness": {
    "equalizedOdds": {
      "tolerance": 0.05,
      "enabled": false
    },
    "demographicParity": {
      "enabled": false,
      "targetDisparity": 0.1,
      "calculatedDisparity": 0,
      "attributes": [],
      "fairnessScore": 10,
      "status": "PASS"
    }
  },
  "inference": {
    "maxTokens": 1000,
    "penalties": {
      "presence": 0.3,
      "frequency": 0.3
    },
    "temperature": 0.2,
    "topP": 0.8
  },
  "compliance": {},
  "safety": {
    "contentModeration": {
      "enabled": false,
      "categories": [],
      "action": "flag"
    },
    "biasDetection": {
      "enabled": false,
      "attributes": [],
```

```
        "threshold": 0.8
      }
    }
  }
}
```

Resolution Notes

Resolved At: 2026-07-08T15:28:33.433Z

Resolved By: Sarah Chen

Company: RothsMind Corp.

Notes: No resolution needed.

Disclaimer: Resolution notes represent the judgement of the named resolver at the time of review and form part of the audit trail. Virideed Inc. performs no human review of individual audit records. All resolutions are the responsibility of the integrating party.