

NC-AI-001: AI Risk Register Template - README

Overview

NC-AI-001 is the first published standard from the Northern Cascadia Institute of AI Governance. This AI Risk Register Template provides a comprehensive, ISO 42001-compliant framework for identifying, assessing, and managing AI-related risks in your organization.

Version: 1.0

Publication Date: Q1 2026

Status: Public Release

License: Public Domain - Free for use and adaptation

Available Formats

Format Options

- 1. Markdown (.md)** - NC_AI_001_AI_Risk_Register_Template.md
 - Primary template format
 - Best for: Version control, internal documentation, website publication
 - Fully formatted with tables, headers, and instructions
- 2. CSV (.csv)** - NC_AI_001_Risk_Register_Template.csv
 - Spreadsheet-compatible format
 - Best for: Excel import, database integration, bulk data entry
 - Contains 28 pre-populated risk entries ready for assessment
- 3. PDF** (Coming Soon)
 - Professional printable format
 - Best for: Official documentation, sharing with stakeholders
 - Will be generated from markdown source

How to Use Each Format

For Small Businesses: - Start with the **Markdown (.md)** version - Print relevant sections or work digitally - Fill in risk assessments in your own format

For Large Organizations: - Import **CSV (.csv)** into Excel or risk management software - Customize columns and add organization-specific risks - Use as foundation for integrated risk management systems

For Public Documentation: - Use **Markdown (.md)** for web publication - Generate PDF for official records - Maintain version control in markdown

What's Included

The Template Contains

- **Risk Scoring Framework:** 5x5 impact and likelihood matrices
- **28 Pre-Populated Risks:** Across 8 major categories
- **Instructions:** Step-by-step guidance for implementation
- **Control Strategies:** Example mitigation approaches
- **Review Checklist:** Ongoing assessment framework
- **Approval Tracking:** Document control and sign-off

Risk Categories Covered

1. **Bias and Fairness** (4 risks)
 - Algorithmic bias, unfair treatment, data representativeness, stereotype reinforcement
 2. **Security and Privacy** (5 risks)
 - Unauthorized access, data breaches, poisoning attacks, IP theft, access controls
 3. **Transparency and Explainability** (4 risks)
 - Lack of explainability, black box decisions, inadequate communication, documentation failures
 4. **Data Quality and Integrity** (4 risks)
 - Poor training data, incomplete coverage, provenance issues, model drift
 5. **Regulatory Compliance** (4 risks)
 - Non-compliance, insufficient documentation, cross-jurisdictional challenges, IP infringement
 6. **Operational Risks** (4 risks)
 - System failures, degraded performance, inadequate oversight, workflow disruption
 7. **Human Impact and Safety** (4 risks)
 - Safety risks, psychological harm, employment displacement, misinformation
 8. **Third-Party and Vendor** (4 risks)
 - Vendor breaches, lock-in, compliance issues, unclear responsibilities
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Quick Start Guide

Step 1: Choose Your Format

- Markdown for comprehensive review
- CSV for spreadsheet-based assessment

Step 2: Define Your Scope

Before assessing risks, clearly define: - Which AI system(s) are you assessing? - What is the intended use? - Who are the affected stakeholders? - What is your role? (Developer / Provider / User / Multiple)

Step 3: Assess Risks

For each relevant risk: 1. Assign Impact score (1-5) 2. Assign Likelihood score (1-5) 3. Calculate Risk Score (Impact × Likelihood) 4. Identify existing or planned controls 5. Assign ownership and target dates

Step 4: Prioritize Treatment

Focus on: - **Extreme (20-25)**: Immediate action required - **High (15-19)**: Treatment within 30 days - **Medium (10-14)**: Treatment within 90 days

Step 5: Implement and Monitor

- Document control implementation
 - Track progress regularly
 - Re-assess quarterly
 - Update annually
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Integration with ISO 42001

Standards Alignment

This template is designed for organizations pursuing **ISO 42001 certification**. It covers:

- **Clause 6.1.2**: Actions to address risks and opportunities
- **Annex A.2**: AI Risk Management controls
- **ISO 23894**: AI risk management guidance
- **ISO 42005**: AI impact assessments

Certification Support

Using this template helps you: - Document AI risk management processes - Meet ISO 42001 documentation requirements - Prepare for certification audits - Maintain ongoing compliance

Customization

Adding Organization-Specific Risks

The template includes sections for: - Industry-specific risks - Organizational-specific risks
- Emerging and unknown risks

Add rows/categories as needed for your context.

Adapting Risk Categories

While the 8 core categories cover most scenarios, you may need to: - Add sector-specific risk categories (healthcare, finance, etc.) - Include emerging risk types - Tailor to your organizational culture - Integrate with existing risk frameworks

Support and Resources

Getting Help

- **Documentation:** All instructions included in templates
- **Standards:** Based on ISO 42001, ISO 23894, ISO 31000
- **Support:** Email governance@kaizenstrategic.ai

Related Standards

- **NC-AI-002:** AI Impact Assessment Framework (Coming Soon)
- **NC-AI-003:** AI Governance Policy Template (Coming Soon)
- **NC-AI-004:** AI Vendor Assessment Tool (Coming Soon)

Additional Resources

- **ISO 42001:** Official standard available from ISO
 - **ISO 23894:** AI risk management guidance
 - **ISO 42005:** AI impact assessment guidance
 - **Free Toolkits:** GSDCouncil, FairNow, others
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Version History

Version	Date	Changes
1.0	Q1 2026	Initial public release

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Attribution appreciated but not required.

Citation

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Feedback and Contributions

We welcome feedback and improvements to this template. Contact: - **Email:** governance@kaizenstrategic.ai - **Website:** kaizenstrategic.ai - **Repository:** (GitHub link if published)

For the latest updates and additional NC-AI standards, visit kaizenstrategic.ai/nc-ai-standards