



Risk Management and Hyperreal Exposure Analysis

Toolkit and Implementation Guide for

**ISO 666:2025 - Psychological, Ethical, and Existential
Risk Analysis Standard (PEERA)**



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PEERA Risk Analysis Framework

1. Scope

This document establishes a structured process for the identification, evaluation, control, and post-deployment monitoring of Psychological, Ethical, Existential, Relational, and Aesthetic Risks (PEERA Risks) associated with digital and technological artifacts, including but not limited to hyperreal content, AI systems, synthetic environments, and simulacra.

2. Normative References

- IEEE 7000: Ethical considerations in system design
- ISO/IEC 23894: AI Risk Management
- WHO: Ethics and Governance of AI
- Baudrillard: Simulacra and Simulation
- Life Antidote Pharmakon Archive

3. Terms and Definitions

- **Psychological Harm:** Adverse effects on cognitive, emotional, or behavioral stability.
- **Ethical Harm:** Violations of normative values such as fairness, dignity, autonomy.
- **Existential Harm:** Destabilization of meaning, identity, or purpose.
- **Relational Harm:** Erosion of interpersonal trust, empathy, or social cohesion.
- **Aesthetic Harm:** Degradation of sensibility, attention to beauty, or symbolic resonance.
- **Hyperreal Exposure:** Interaction with a reality that simulates or replaces authentic reference points.

4. General Requirements for PEERA Risk Management

- Evaluation must include subjective, symbolic, and affective dimensions.
- Risk acceptability thresholds must address symbolic degradation and existential drift.
- Transparency and ambiguity disclosure are integral to all risk management activities.

5. Risk Management Process

5.1 Risk Analysis

- **System Description:** Identify how the technology functions and interfaces with users.
- **Identify Potential Harms:** Psychological, Ethical, Existential, Relational, Aesthetic.
- **Hazardous Situations:** Situations leading to harm, such as immersion without disclosure.
- **Risk Estimation:** Severity (S), Occurrence (O), Detection (D) metrics.

5.2 Risk Evaluation

- Ethical Risk Matrices must be developed.
- Define inviolable thresholds (e.g., no unconsented existential manipulation).

5.3 Risk Control

- **Inherent Safety by Design:** Built-in ambiguity disclosures, friction points.
- **Protective Measures:** Ethical disclaimers, transparency statements.
- **Information for Users:** Disclosure of hyperreal influence operations.

6. Evaluation of Overall Residual Risk

- Overall residual existential risk must be minimized or justifiably reframed.

7. PEERA Risk Management Report

- Document systemic impacts across PEERA domains and any trade-offs.

8. Post-Deployment Monitoring

- Monitor existential drift indicators.
- Trigger reassessments based on symbolic degradation metrics.

Sample FMEA for Hyperreal Systems

Process Step	Potential Failure Mode	PEERA Risk Category	Potential Effects	Severity (S)	Occurrence (O)	Detection (D)	RPN (Risk Priority Number)	Mitigation
User Onboarding	Failure to disclose synthetic nature	Existential	Identity confusion; increased nihilism	9	6	7	378	Preemptive "This is a simulation" notice
Infinite Scroll Mechanism	Continuous stimulation without end	Psychological, Relational	Addiction; social withdrawal	8	8	5	320	Introduce session limits, friction-based stopping cues
AI Recommendations	Algorithmic echo chamber	Ethical, Relational	Reinforcement of biases; isolation	7	7	6	294	Insert diversity algorithm content
Aesthetic Feed Curation	Hyperreal perfection imagery	Aesthetic, Psychological	Beauty standards distortion; envy	7	5	6	210	Curated imperfections; transparency tags

Legend:

- Severity (S): 1 (minor) to 10 (existentially catastrophic)
 - Occurrence (O): 1 (rare) to 10 (common)
 - Detection (D): 1 (easy to detect) to 10 (undetectable)
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About Life Antidote

At Life Antidote, we believe that in a post-authentic world, ethical and existential risks can be rationalized, managed, or gracefully reframed. Through the PEERA Risk Toolkit, we offer critical tools for surviving - and thriving - in the collapse of stable meaning.

Consulting services available upon request. Visit www.lifeantidote.net.

