

# **SENTINEL AUTHORITY**

## ODDC Scenarios v1.0

Independent conformance determination. Sentinel Authority is not a regulator. This document does not constitute legal advice or regulatory approval. Examples are illustrative and non-normative.

### **1. Introduction**

This document presents representative scenarios illustrating how bounded autonomous operation may be specified, enforced, and evidenced under the Sentinel Authority ODDC framework across industries.

### **2. Data Centers & Hyperscale Computing**

ODDC conformance scenarios for autonomous power allocation, cooling optimization, and AI-on-AI orchestration with envelope boundaries on power draw, thermal ceilings, and recursion limits.

### **3. Autonomous Vehicles**

ODDC conformance scenarios for zone speed ceilings, confidence thresholds, weather degradation protocols, and emergency override rules with ENVELO-compliant enforcement.

### **4. Healthcare & Medical AI**

ODDC conformance scenarios for diagnostic recommendations and clinical interventions with mandatory human checkpoints and deviation thresholds.

### **5. Financial Services & Trading**

ODDC conformance scenarios for position concentration limits, volatility thresholds, and drawdown caps with circuit-breaker enforcement.

### **6. Industrial Manufacturing**

ODDC conformance scenarios for force output limits, proximity response, and speed reduction zones with isolated enforcement mechanisms.

### **7. Aerospace & Defense**

ODDC conformance scenarios for geofencing, altitude ceilings, comm-loss protocols, and payload authorization with chain-of-custody enforcement.

### **8. Document Status**

Version: 1.0 — Draft

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Change Control: Errata and versioning maintained by Sentinel Authority

### **9. Contact**

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