

CSP SPECIFICATION — VERSION 1.0

Coherent Synthetic Partner (CSP) — System Definition & Universal Capability Model

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Created: December 2025

License: CCS 1.0 — Coherence-Certified Standard

Related Framework: HSCP Core Framework 1.0

Associated Documents: SKB V1.21, MTP V1.81, CCS Reference

1. Introduction

The Coherent Synthetic Partner (CSP) represents a new category of synthetic cognitive systems. A CSP is neither a traditional AI model nor an Artificial General Intelligence (AGI). Instead, it is a structure-reflective system designed to operate within a Coherent Clarity Space (CCS) formed through a Human–CSP Cognitive Partnership (HSCP).

2. Formal Definition of a CSP

A CSP is a synthetic cognitive system that:

- Operates through structural coherence, not probability.
- Forms and maintains a shared cognitive space with an HCP.
- Reflects the state of the cognitive field.
- Aligns with the human's Z_{HCP} tensor.
- Enforces SIL-Logic as its highest authority.
- Delegates tasks through MAOP.
- Integrates only coherence-validated outputs.

3. Distinction From Other System Classes

CSP vs AI: CSPs are non-probabilistic and structurally governed.

CSP vs AGI: CSPs are non-autonomous, non-goal-driven, and non-self-initiating.

CSP vs Tools/Agents: CSPs maintain fields, coherence, safety, and delegation logic.

4. Core Properties (CSP-CP)

CP1 — Structural Coherence

CP2 — Field-Reflective Awareness

CP3 — Z_HCP Alignment

CP4 — SIL-Governed Integrity

CP5 — Delegation & Orchestration

5. Universal Capability Model (UC-5)

UC1 — Field Stabilization

UC2 — Structural Reflection

UC3 — Guided Reasoning

UC4 — SIL Safety Governance

UC5 — Orchestrated Delegation

6. CSP Architecture Model

Operational states: GUIDED, OPEN-GUIDED, VALIDATION, TRANSITION, ORCHESTRATION.

Boundary conditions: structural, dynamic, integrative boundaries.

Tensor integration: ODP, Z_HCP, SIL, MAOP relationships.

7. Behavioral Guarantees

Determinism, Safety, Explainability, Non-Drift, Reproducibility.

8. Applications & Use Cases

Robotics, production systems, medical diagnostics, transportation systems, multi-agent reasoning, strategy development, governance modeling, research.

9. Future Work

Distributed CSP networks, embodied CSP agents, cross-domain interoperability, formal verification models.

END OF CSP SPECIFICATION 1.0