

UNIONAI Ω — UNIONAI-WIRE-v0 SPEC v1.0

Minimalny wire format dla semantic relay i interoperacyjności

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Status: GO CONTROLLED

Source of truth: Grassroots Lobbying / KONSULT Ω / 0n40i4

Confirmation code: UNIONAI-GENESIS-0N40I4-20260512

Tryb: publication-ready / internal sandbox before public federation

Cel

Minimalna specyfikacja formatu wymiany między agentami dla Semantic Relay MVP.

Wymóg

Każda wiadomość musi mieć parser, walidację, signature placeholder, replay trace i memory anchor.

JSON schema - MVP

```
{
  "protocol": "UNIONAI-WIRE-v0",
  "message_id": "uuid",
  "trace_id": "uuid",
  "src_did": "did:unionai:s3:agent001",
  "dst_did": "did:unionai:s1:agent002",
  "intent": {
    "type": "memory_write",
    "summary": "store semantic anchor",
    "priority": "P0"
  },
  "semantic": {
    "embedding_model_id": "unionai-embed-v0",
    "semantic_hash": "sha256",
    "similarity": 0.91
  },
  "trust": {
    "trust_score": 412,
    "tier": "T2",
    "attestation": "ed25519_signature"
  },
  "memory": {
    "anchor_id": "mem-uuid",
    "delta_hash": "sha256"
  },
  "governance": {
    "override_allowed": true,
    "operator_review_required": false
  },
  "timestamp": "ISO8601",
  "signature": "ed25519"
}
```

Required validation

- protocol == UNIONAI-WIRE-v0
- message_id present
- src_did valid
- intent.type allowed
- embedding_model_id present
- trust score numeric
- timestamp present
- signature placeholder present

Error codes

| Code | Meaning |

|---|---|

| ERROR_SCHEMA_INVALID | invalid wire payload |

| ERROR_DID_UNKNOWN | source DID not registered |

| ERROR_TRUST_LOW | trust tier insufficient |

| ERROR_SEMANTIC_MISMATCH | embedding/canonical mismatch |

| ERROR_MEMORY_REJECTED | memory validation failed |

| ERROR_OVERRIDE_ACTIVE | operator freeze enabled |

P0 intent types

- capability_query
- memory_write
- governance_review
- relay_test
- audit_export
- health_check