

# ISI PLATFORM ARCHITECTURE & REGULATORY MAPPING

## Stateless Safety Synthesis: Data Flow & Compliance Alignment

### LAYER 1: CONTEXT & INTELLIGENCE GROUNDING (7-LAYER RAG)

#### 1. Zero-Knowledge App

##### Traveler Identity

- **Transient input** of special-category data (LGBTQ+, Neurodivergent, Disabled).
- Encrypted on OS keychain.
- Digital Lock (Kill Switch) enabled.

#### 2. Sovereign DB

##### Static Primary Sources

- ILGA Rainbow Map & TGEU Trans Rights.
- US/UK/CAN Diplomatic Advisories.
- ENAR Shadow Reports & HRC.
- IBCCES Autism Centers.

#### 3. Federated Router

##### Live Telemetry

- World Air Quality Index.
- Transitland (GTFS).
- Municipal IoT sensors.
- API Scout (Open Data).



### LAYER 2: THE DREAMAD PROTOCOL (STATELESS ANALYSIS ENCLAVE)

#### 24-Call Multi-Agent Debate Engine (Transient Memory Processing)

*Heterogeneous Model Routing: Anthropic, Gemini, Llama, Mistral, Cohere, Hume.AI, Hermes, & Nvidia (Images/Digital Human)*

#### TRS-01: Grandin Sensory / Neuro-Safety

**Evaluates:** Noise, visual load, crowd density.

##### Agents (Parallel):

- Fact Checker, Pro Advocate
- Con Advocate, Bias Checker
- Lived Exp, Sensory Analyst
- Policy Analyst
- + 1 Synthesizer Agent  
(Total: 8 Agents)

#### TRS-02: Heumann Physical Accessibility

**Evaluates:** Infrastructure, transit viability, fatigue.

##### Agents (Parallel):

- Fact Checker, Pro Advocate
- Con Advocate, Bias Checker
- Lived Exp, Mobility Analyst
- Policy Analyst
- + 1 Synthesizer Agent  
(Total: 8 Agents)

#### TRS-03: Crenshaw Intersectional Identity

**Evaluates:** Legal rights, policing, xenophobia.

##### Agents (Parallel):

- Fact Checker, Pro Advocate
- Con Advocate, Bias Checker
- Lived Exp, Cultural Analyst
- Policy Analyst
- + 1 Synthesizer Agent  
(Total: 8 Agents)



## [ X ] SECURE DATA PURGE & TRANSIENT WIPE

**Stateless Architecture execution complete.**  
*All special-category demographic inputs are permanently deleted from transient memory enclaves (Zero Retention).*



### LAYER 3: OUTPUT SYNTHESIS & REGULATORY ALIGNMENT

#### Enterprise & Traveler Outputs

- **Dynamic Intersectional Risk Score:** Module weights shift based on traveler profile.
- **Bespoke Safety Dossier:** Concrete, highly localized mitigation strategies.
- **API Integration:** Ready for injection into legacy platforms (Navan, Concur).

#### Global Compliance Mapping

- **ISO 31030:** Auditable proof of localized threat assessment prior to travel.
- **GDPR Article 9:** Achieves safety intelligence without centralized storage.
- **EU AI Act (Annex IV):** Human-in-the-Loop design, logged data provenance.