ERES NAC Core Technical Specifications

Component	Technical Function & Specification	Input/Measurement Source	Governance Integration
NBERS (National Bio-Ecologic Resource Score)	A successor metric to GDP that aggregates four main domains: ecological integrity, social equity, human health, and systemic resilience. It operates as the "score" inside a Smart-City **TETRA-CERT control loop**.	Aggregates data from **ERI/ARI**, **GERP** (resource efficiency), and **EPIR-Q** (Emotional Personal IQ Real and Quantum).	Used to **steer policy, procurement, and finance**. It enables conditioned, NBERS-indexed disbursement.
GERP (Generalized Ephemeralization Resource Proxy)	The metric designed to measure resource efficiency towards post-scarcity, based on the principle of Ephemeralization ("Doing More with Less"). Acts as a resource planning/spatial planning component.	Bio-Economic Resource Cyberspace (**BERC**), resource flow data, and efficiency metrics.	Integrates with the **EarnedPath Engine** to establish **VACATIONOMICS**.
GtC=ME (Multi-Domain Cryptography)	A **quantum-resistant** cryptographic framework that provides digital signatures by combining four distinct key domains to prevent single-point compromise.	**G (Water Key):** Corresponds to global or fluid resources. **t (Land Key):** Corresponds to territorial or physical resources. **C (Cognition Key):** Corresponds to human identity/intent. **E (Energy/Matter Attestation):** Physically anchors the digital action to observable reality.	Implements the **P3 visibility model** (Personal, Private, Public per domain) to govern access and authorization. Ensures **1,000-year auditability**.

ERI (Emission Resonance Index)	A practical framework proposed to measure resonance based on **established scientific principles** (physics, chemistry) rather than the speculative "Aura Hypothesis".	Measures three specific types of resonance: **1. Biochemical Resonance:** Spectral analysis of VOC/lipid emissions (e.g., FTIR/Raman spectroscopy). **2. Physiological Resonance:** Synchronized biological rhythms (e.g., HRV coherence). **3. Behavioral Resonance:** Pattern alignment in movement, speech, micro-expressions (e.g., motion capture, vocal analysis).	Provides high-fidelity, validated input into the NBERS/EarnedPath system, intended for consensual applications only.
ARI (Aura Resonance Index)	The **conceptual predecessor** and bioenergetic dashboard designed to quantify human-environment coherence.	Fuses multi-modal inputs: **Biometric** (EEG, HRV), **Environmental** (CO_2, resource flows), and **Social** (equity codices). **Technical Implementation:** Uses **Fourier Analysis** of Kirlian-Biometric data and **Munsell Color Awareness** for perceptual mapping.	Enables **Operators in S3 Cities** to perform **Non-Punitive Remediation (NPR)** of systemic imbalances.
EarnedPath (EP)	The **governance engine** within the Empirical Realtime Education System (ERES) that links individual contribution to reward.	Driven by **EPIR-Q** (Emotional Personal IQ Real and Quantum), which converts individual and systemic choices into quantifiable ratings.	Disburses benefits and resources, creating the **VACATIONOMICS** economic model based on **merit over credentials**.