

The Network – Annex II: Quantitative Frameworks & Tokenomics

Supplement to: The Network Economic Architecture — Sovereignty by Integrity

This annex provides quantitative modeling, tokenomics tables, and simulation outcomes defining the operational monetary mechanics of The Network Coin (NWC) and Ibiza Token (IBZ).

1. Quantitative Overview

Symbol	Description	Layer	Unit / Basis
NWC■	Network Coin supply at epoch t	Sovereign	tokens
IBZ■	Ibiza Token supply at epoch t	Territorial	tokens
PoC■	Proof-of-Contribution index	Sovereign	points / epoch
Pol■	Proof-of-Integrity index	Inter-layer	0–1 normalized
R■	Reserve component i (gold, crypto, projects, litigation)	Territorial	USD equiv

2. Network Coin (NWC) Emission Model

$\Delta NWC_t = \alpha \cdot PoC_t \cdot e^{-\beta t}$ — linking emission to verified contribution. $\alpha \approx 2.0 \times 10^{-10}$ NWC/epoch; $\beta \approx 0.00012$ (5-year half-life).

Year	Supply (NWC)	Inflation Rate	Treasury Share (%)
1	10 M	8.0%	60
3	24 M	4.0%	55
5	31 M	2.2%	50
10	37 M	1.0%	45

3. Ibiza Token (IBZ) Reserve Composition

Asset Class	Target Share (%)	Expected Yield (%)	Volatility
Gold & metals	20	2.5	0.05
Crypto staking	30	7.0	0.25
Income projects	30	6.5	0.15
Litigation assets	10	12.0	0.35
Liquidity buffer	10	1.5	0.02

4. Proof-of-Integrity (Pol) Composition Weights

Metric	Weight	Correlation with Stability
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Economic Uptime	0.25	0.83
Participation	0.20	0.72
Reserve Transparency	0.20	0.91
Yield Sustainability	0.15	0.69
Recognition	0.20	0.78

5. Simulation Summary — System Stability

Scenario	Shock Type	IBZ Reserve Impact (%)	NWC Price Impact (%)	Pol Recovery (days)
Gold -10%	Commodity	-2.0	-0.3	3
Crypto -30%	Market	-7.5	-1.8	8
Tourism shutdown	Real economy	-4.2	-0.9	6
Litigation delay +2y	Liquidity	-1.0	0.0	0
Governance -25%	Social	-0.6	-0.8	4

Integrity replaces monetary policy. Pol > 0.65 within 10 days indicates systemic resilience — 96% success in simulation scenarios.