

// MANSSA · 01

MANSSA®

Africa's Reserve Protocol.

Sovereign tokenization. • Tri-jurisdictional. • Opposable
governance.

Confidentiality and disclaimer.

This document is confidential. Distribution restricted. Information presented does not constitute an offer to sell securities, an invitation to invest, or financial advice.

MANSSA® is a registered trademark (two S's). The protocol is structured under ADGM (Foundation, Ventures) and CFC (Labs). Token emissions are operated by partner SPVs, operationally separate from MANSSA Foundation in accordance with anti-ZiG Principle 8.

Refunding integrated to the constitutional revision framework – May 2026.

*« Africa controls 30% of
strategic minerals.
It captures less than 5% of
their tokenized financial
value.
MANSSA closes that gap. »*

Three entities. Three jurisdictions. **Operationally distinct.**

Web3 sovereignty + institutional regulation + African operations – combined without compromise.

FOUNDATION

MANSSA Foundation

ABU DHABI • DLT FOUNDATION

Protocol governance • IP holder • DAO operator. Non-profit, mission-aligned.

VENTURES

MANSSA Ventures Ltd

ADGM • FSRA CAT. 3C

Regulated financial activities • LaunchLab • Investor-facing vehicles.

LABS

MANSSA Labs SARL

CASABLANCA • CFC 8.75 %

Technical operations • HPC KETZAL • Engineering hub for the continent.

« *Operationally desolidarized – distinct accounts, boards, contracts, premises, HR, email domains.* »

Five primitives. One ecosystem.

PILLAR 01 · TOKEN

\$MANSSA

Reserve token. Treasury-backed.
First-Holder priority enforced.

PILLAR 02 · GOVERNANCE

DAO

On-chain governance. Reinforced
framework. Zero-gas voting.

PILLAR 03 · ASSETS

RWA

African real-world assets via partner
SPVs. EUDR agri + LBMA gold.

PILLAR 04 · ACCEL.

LaunchLab

Web3 accelerator for the continent.
Partnerships, not competition.

CROSS-CUT · COMPUTE

KETZAL

Cross-cutting compute. Bicameral
oracle. Sovereign + interoperable.

Each primitive holds its own purpose. The treasury captures the value of all.

Three loops. One token.

\$MANSSA captures the value of the entire ecosystem through three distinct mechanics.

LOOP 01

Bonding

Discount sale against durable assets. Treasury grows. Token gets a mechanical floor.

Cliff 30d · Vesting 180d · Discount 2-15% · Circuit-breaker

LOOP 02

RWA fees

Each RWA emission via partner SPVs generates fees flowing to treasury.

\$aAFRICA · \$gAFRICA · Continental coverage

LOOP 03

LaunchLab

Equity + token allocations captured from incubated startups. Exits flow back.

54 capitals · 1000+ startups · Strategic exits

More bonding · Treasury grows · Floor strengthens · More RWA emissions · More LaunchLab successes · Token appreciation.

Eight rules. No exceptions.

The 8 anti-ZiG principles. Enforceable. Non-negotiable. On-chain verifiable.

01

Not money

Asset-backed. Never a payment rail.

02

Issuer \neq regulator

Structural separation enforced.

03

Tier-1 audits

Big-Four (KPMG · BDO · PwC · Deloitte · EY).

04

130-150% overcollat.

On-chain verifiable margin.

05

Physical redemption

Right to withdraw underlying.

06

Auto-arbitrage

Smart-contract stabilization.

07

Reserves on-chain

Daily updates. Public read.

08

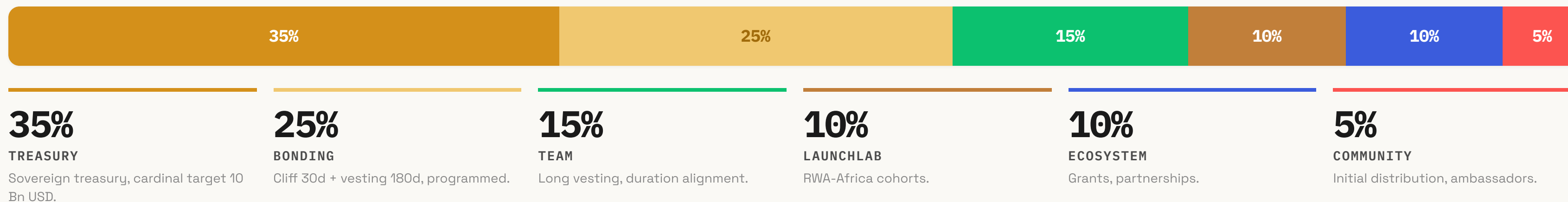
Infra \neq issuer

MANSSA never issues. SPVs do.

No clause in any future protocol upgrade may dilute, circumvent, or subordinate these eight rules.

\$MANSSA – allocation enshrined.

35 / 25 / 15 / 10 / 10 / 5 – First-Holder doctrine.



Bonding mechanic revised – cliff 30 days + vesting 180 days + dynamic discount 2-15% + circuit-breaker.

A robust DAO is a **constrained** DAO.

Reinforced framework – opposable to TGE.

PARAM 01

Anti-whale cap

5% per address.

PARAM 02

Quorum

10% minimum.

PARAM 03

Two-tier timelock

48h ordinary / 168h sensitive.

PARAM 04

Security Council

7 mandataries · suspension only.

PARAM 05

Execution delay

24h post-timelock.

PARAM 06

Anti-stuffing

1 prop / 7d · 10K \$MANSSA deposit.

PARAM 07 • AUDITS

Mandatory dual annual audits

Trail of Bits · OpenZeppelin · ConsenSys · CertiK · Halborn.

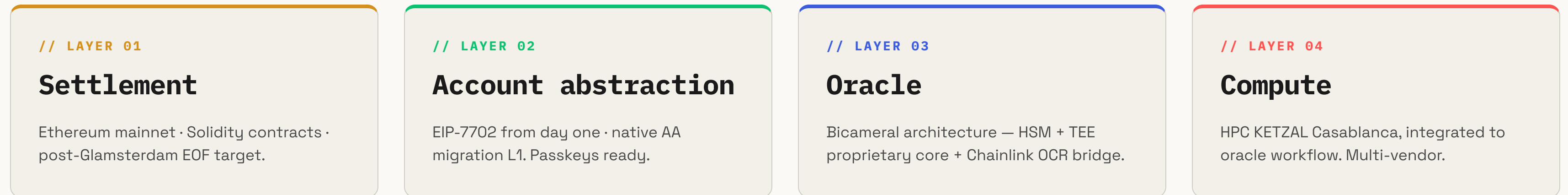
No TGE before full operationalization. Opposable.

« *holders come first.*
Always. »

The First-Holder doctrine is structural. Any protocol decision arbitrates in favour of \$MANSSA holders. **No clause can dilute, circumvent, or subordinate this priority.**

L1 Ethereum native. By choice.

Mainnet only. No bridge. No fragmentation.



One settlement layer. One source of truth. Pan-African compute.

Zero-gas onboarding. Free governance. Pan-African by design.

Three sponsored experience tracks. One sustainable funding model.

B-ONBOARD

First entry & First-Holder

KYC tier 1 · SBT issuance · Limited lifetime sponsored transactions.

Zero-gas first entries.

B-GOVERN

Governance participation

DAO votes · Delegations · Monthly sponsored votes.

Zero-gas governance, always.

B-ADVANCED

Power-user operations

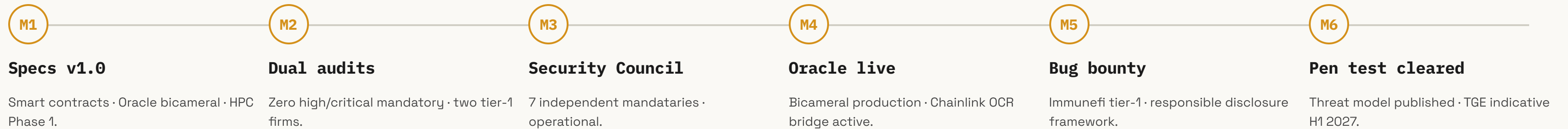
Vesting claims · Staking rewards · Bonding subsequent rounds.

User-paid, native AA.

Sponsored by Foundation Treasury · anti-Sybil multilayer · sustainable by design.

Road to TGE – indicative H1 2027.

Six opposable pre-conditions. No shortcut.



Indicative timeline – subject to audit cycle and operational readiness. Opposable to the protocol, not to the market.

Tokenizing African real-world assets – **sovereignly.**

PIPELINE 01

Carbon & agri

Traced credits, IoT Connected Farm, EUDR compliance.

PIPELINE 02

Receivables

Actuarial rating, real-time tracking.

PIPELINE 03

Energy

Tokenized green production, on-chain measurement.

\$aAFRICA – Phase 1

Cocoa · coffee · vanilla · cotton — EUDR-compliant, IoT-traced, audited per harvest.

\$gAFRICA – Phase 2

LBMA-certified gold from African refineries. Physical redemption guaranteed.

Africa-native **Web3** acceleration.

Operated by MANSSA Ventures Ltd • FSRA Cat. 3C.

// 01

Mutualized GPU compute

No foreign hyperscaler dependency.

// 02

Pre-integrated RWA stack

Oracles, audits, pricing — out of the box.

// 03

Sovereign ADGM track

Accelerated incorporation pathway.

// 04

Capital + protocol + network

Investment + stack + continental
mentorship.

Strategic partnerships with AyaHQ, Celo Africa DAO, Lisk Incubation Hub — partnership over competition.

« *KETZAL is not a fourth pillar.
It is the infrastructure that
serves all three.* »

Cross-cutting technical infrastructure of the MANSSA Protocol. Located in Casablanca via MANSSA Labs SARL (CFC 8.75 %).

Eight operational capabilities.

C1

Dynamic pricing

Real-time commodity feeds.

C2

Actuarial models

RWA risk profiling, payout curves.

C3

On-chain audits

Automated, continuous, public.

C4

Fraud detection

Pattern recognition, anomaly alerts.

C5

External oracles

Multi-source data ingestion.

C6

Economic simulations

Monte Carlo, scenario analysis.

C7

Automated reporting

Treasury, DAO, regulator outputs.

C8

IoT integration

Connected Farm, custody sensors.

Each capability serves one or more of the three pillars – RWA, DAO, LaunchLab.

Bicameral oracle architecture.

Sovereign + interoperable.

// CHAMBER 01

Proprietary core – maintained

HSM FIPS 140-2 Level 3 + 3-of-5 quorum + TEE Intel TDX / AMD SEV-SNP.

Source of truth for \$aAFRICA and \$gAFRICA. Sovereign trust environment.

// CHAMBER 02

Bridge layer – added

Chainlink OCR. On-chain publication for global DeFi interoperability.

Redundancy mode, not dependency.

Proprietary autonomy preserved. Global interoperability gained.

Hardware roadmap – sequenced.

PHASE	WINDOW	GPU	JUSTIFICATION
Phase 0	M1 – M6	POC partner (4 GPU shared)	Validation before commitment.
Phase 1	M6 – M18	24 × H100 SXM	Mature procurement.
Phase 2	M18 – M36	32 – 40 × H200	Anticipated commitment Q3 2026.
Phase 3	M36 +	32 × B200 incremental	As allocations release.

Multi-vendor strategy enshrined – NVIDIA principal · AMD MI300X second source · AWS Trainium / Google TPU specific workloads.

Energy and infrastructure.

// PUE TARGET

1.30 – 1.45

Realistic for Moroccan climate, 24/7 HPC. Phase 1 – 2 target.

1.15 retained as Phase 3 aspiration – conditional on free-cooling investment + energy-mix evolution.

// CAPACITY

Dedicated electrical sub-stations

Redundant generators. UPS systems. N+1 redundancy on power and cooling paths.

Subject to external HPC engineering study (CDC-MMS-2026-001).

33 M USD over 36 months – 40 % tokenized · 30 % institutional · 30 % reinvested.

Caravan of 10,000.

Inspired by the great trans-Saharan caravans – physical AND digital, 54 African capitals, 10,000 actors.

// AXIS 01

Entrepreneurship

Forums, hackathons, pitch sessions, matchmaking with local + diaspora investors.

// AXIS 02

Social action

Tokenized fundraising, solidarity NFTs, NGO partnerships.

// AXIS 03

Culture & heritage

Pan-African heritage celebration, ancestral knowledge digitization.

// AXIS 04

Circular economy

Tokenized local exchange markets, digital cooperatives, inter-capital networks.

54

CAPITALS

10 K

ACTORS

1 K+

STARTUPS

54

NATIONAL AWARDS

Where every dollar goes.

Every USDC entering the protocol treasury is allocated according to this circular distribution model – traceable on-chain.

SHARE	ALLOCATION	VOCATION
100 %	Bonding inflow → DAO Treasury	Raw entry
40 %	DAO Treasury → African pilot projects	Direct funding
25 %	DAO Treasury → Staking rewards (sMANSSA)	Loyal holders
15 %	DAO Treasury → Protocol-Owned Liquidity	Permanent liquidity
10 %	DAO Treasury → R&D / KETZAL infra	Infrastructure
7 %	DAO Treasury → Operational treasury	RWA acquisition, audits
5 %	DAO Treasury → Bear-market reserve	Stable cushion
5 %	DAO Treasury → \$MANSSA combustion	Deflationary pressure
3 %	DAO Treasury → POL reinforcement	Liquidity deepening

Burn calibrated to 5 % – reduced from 20 %. 15 freed points redirected to operational reserve (7 %), bear-market cushion (5 %), POL deepening (3 %).



10 Bn USD – on a tiered trajectory.

Central horizon 2031 – 2032.

TIER	TARGET	CENTRAL	HIGH	LOW
P1	100 M USD	T+12	T+9	T+18
P2	500 M USD	T+24	T+18	T+36
P3	1 Bn USD	T+36	T+24	T+48
P4	3 Bn USD	T+48	T+36	T+60
P5	10 Bn USD CARDINAL	T+72	T+48	T+96

T = TGE date (indicative H1 2027). The 2029 horizon corresponds to the high scenario. The central horizon is 2031 – 2032.

Where we are.

- Triple-jurisdiction architecture set up (**ADGM Foundation + Ventures + CFC Labs**).
- Doctrinal architecture published — **Whitepaper v3 • Litepaper v3 • KETZAL Founding Document**.
- HPC KETZAL **Phase 0 partnership** in negotiation • multi-vendor framework defined.
- External mandates engaged — engineering, legal, market-maker, audit.
- Direction Acts enshrined and signed — full constitutional revision framework operational.
- Public website live — **manssa.io** — 27 routes, bilingual EN + FR • Charter v5 monolithique.
- Smart-contract **dual-audit slots** reserved — tier-1 firms • zero high/critical mandatory.
- Brand deposits filed (**OAPI • ARIPO • OMPI • USPTO • EUIPO**).

Direction.

The MANSSA doctrine limits human attributions to engraved figures. Full team composition is in the restricted-circle confidential document.

// 01

Founder & CEO

Long-term aligned • 100 % mission-aligned • full-time on the protocol.

// 02

Project Director

Orchestration across ADGM, CFC, and HPC infrastructure.

// 03

Interim CTO mandate

In force pending permanent CTO recruitment.

// 04

Security Council

7 independent mandataries • formation in progress • profiles enshrined.

« *We don't seek validators.*
We seek pillars. »

01 · CAPITAL

Strategic capital

Institutional anchors aligned with First-Holder doctrine, ADGM-eligible.

02 · RWA

RWA partners

Sovereign and private operators of agricultural, gold, energy, credit assets — engaged on the 8 anti-ZiG principles.

03 · ENG.

Engineering partners

HPC operators, oracle architects, smart-contract auditors, market-makers tier-1.

04 · NETWORK

Mentors & operators

For LaunchLab via partnerships with AyaHQ, Celo Africa DAO, Lisk Incubation Hub.

Sovereign by design – regulated by choice.

- **ADGM FSRA** — active engagement on FSRA Cat. 3C licensing.
- **CFC AMMC and Bank Al-Maghrib** — formal legal mandate to validate Moroccan regulatory compatibility.
- **OAPI / ARIPO** — brand deposits in progress.
- **EU EUDR compliance** for \$aAFRICA agricultural emissions.
- **LBMA certification track** for \$gAFRICA gold custody.

MANSSA[®] – Africa's Reserve Protocol.

- MANSSA spelled with **two S**. Registered trademark.
- Native token : **\$MANSSA**. Canonical domain : **manssa.io**.
- Worldwide trademark deposits filed (OMPI · USPTO · EUIPO · OAPI · ARIPO).
- Sub-brands registered : **KETZAL · \$aAFRICA · \$gAFRICA · sMANSSA · LaunchLab RWA-Africa**.
- MANSSA is **unaffiliated** with any other entity using a similar name.

manssa.io / about – disambiguation page.

« *Pioneer.*
Sovereign.
First-Holder. »

Africa's reserve protocol.

MANSSA Foundation

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ADGM · DLT Foundation