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INSTITUTIONAL OBSERVATION EDITION

# BRICS Multi-Asset Lambda Processor

## PRODUCTION OPERATIONS & INTEGRATION MANUAL

Financial Institution · Central-Bank · Public-Sector DevOps

Version 2.0 · 09 August 2026

Technical documentation for observation and integration planning. Not a certification or endorsement.

## 00

## Document Control

Audience, authority, evidence baseline, and use restrictions

**OBSERVATION STATUS**

This is an operator manual for a deployed software build. It is not a United Nations, Federal Reserve, U.S. Treasury, FedRAMP, NCUA, or AWS GovCloud certification, authorization to operate, custody assurance, or endorsement. Each institution must complete its own legal, security, model-risk, architecture, and authorization review.

|                     |                                                                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document            | BRICS Multi-Asset Lambda Processor — Production Operations & Integration Manual                                                                                                                                               |
| Edition             | Institutional Observation Edition, version 2.0                                                                                                                                                                                |
| Prepared            | 09 August 2026                                                                                                                                                                                                                |
| Primary audience    | Financial-institution platform teams, central-bank observers, public-sector DevSecOps, SRE, security engineering, integration assurance, and authorized application developers                                                |
| Evidence baseline   | Local source registry, immutable Lambda alias configuration, live API control-plane inspection, authenticated COVERAGE response, formal request schema, and official AWS documentation                                        |
| Controlled build    | AWS Lambda fednow_ncua_brics_token_processor / alias production → version 2                                                                                                                                                   |
| Commercial endpoint | <a href="https://k1taspu0v4.execute-api.us-east-1.amazonaws.com/prod/functions/fednow_ncua_brics_token_processor">https://k1taspu0v4.execute-api.us-east-1.amazonaws.com/prod/functions/fednow_ncua_brics_token_processor</a> |
| Companion annex     | BRICS_Processor_Token_Annex.csv                                                                                                                                                                                               |

## Change record

| VERSION | DATE        | CHANGE                                                                                                         | DISPOSITION               |
|---------|-------------|----------------------------------------------------------------------------------------------------------------|---------------------------|
| 2.0     | 09 Aug 2026 | Institutional production integration manual; 609-variant annex; GovCloud patterns; signed-transaction runbooks | Current                   |
| 1.x     | 09 Aug 2026 | Processor build, network registry, Bitcoin PSBT adapter, and API schema validation                             | Superseded by this manual |

## Reading convention

- CURRENT BUILD identifies controls verified in the deployed commercial AWS environment.
- PRODUCTION GATE identifies controls an institution must implement before authorizing value movement.
- GOVCLOUD PATTERN identifies deployment requirements for the aws-us-gov partition; it does not imply that the current commercial endpoint is hosted in GovCloud.
- DISCOVERY ONLY identifies catalog entries that lack a transaction adapter or authoritative network mapping in this build.

## 01 Executive Operator Overview

What the processor does, what is validated, and where institutional controls begin

600

MARKET METADATA RECORDS

609

PACKAGED ASSET VARIANTS

17

NETWORK DEFINITIONS

5

TRANSACTION ADAPTERS

The **BRICS Multi-Asset Lambda Processor** is a headless transaction and discovery service for EVM, Solana, and Bitcoin workflows. It exposes a JSON action contract through API Gateway, resolves curated or catalog assets, derives addresses from request-scoped signing material, reads balances, prepares or signs transfers, signs caller-built Bitcoin PSBTs, and can proxy explicitly approved chain RPC methods when enabled.

### Core operating principle

#### SEPARATE DISCOVERY FROM EXECUTION

The 600-record market catalog is not a promise of transaction support. A variant is execution-ready only when it maps to an installed EVM, Solana, or Bitcoin adapter and has the network/contract information required for that adapter. The API COVERAGE response and Annex B expose that distinction.

### Validated today

- Immutable Lambda alias production points to version 2; broadcast is disabled by policy in the validated deployment.
- Canonical entries cover Bitcoin, Ethereum, BNB, Polygon POL, Ethereum USDC/USDT, Polygon PoS USDC, Solana SOL, and Solana USDC.
- Transaction adapters: EVM native, ERC-20, Solana native, SPL token, and Bitcoin PSBT.
- API Gateway requires an API key and routes to the immutable Lambda alias.
- Alchemy credentials are obtained from AWS Secrets Manager and are not embedded in source or returned to clients.

### Institutional production gates

- Replace API-key-only access with AWS\_IAM/SigV4 and/or mutual TLS; retain API keys only for metering and usage plans.
- Replace caller-submitted long-lived wallet secrets with institution-approved HSM, MPC, or custody-service signing where durable custody is required.
- Add request schema enforcement, resource policies, WAF controls, restrictive CORS, idempotency, transaction policy checks, and dual authorization for broadcast.
- Establish independent contract-address governance, sanctions/AML controls, fee policy, chain-risk policy, accounting reconciliation, incident response, and formal authorization to operate.

### Processor families

| PROCESSOR    | VARIANTS | MEANING                     |
|--------------|----------|-----------------------------|
| bitcoin      | 1        | Execution adapter installed |
| evm          | 438      | Execution adapter installed |
| catalog-only | 96       | Discovery only              |
| solana       | 65       | Execution adapter installed |

## 02

## Validated Deployment Profile

Commercial AWS evidence snapshot and immutable release identity

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| AWS account            | 175517875042                                                                                      |
| Region / partition     | us-east-1 / aws commercial                                                                        |
| Function               | fednow_ncua_brics_token_processor                                                                 |
| Alias                  | production → immutable version 2                                                                  |
| Runtime / architecture | Node.js 24.x / arm64                                                                              |
| Memory / timeout       | 512 MB / 30 seconds                                                                               |
| Code SHA-256           | 8uG4oB6rwZxc0dOYCec4q8Z2YkwUW3MwbiJUzpyWTdk=                                                      |
| Deployment ZIP SHA-256 | f2e1b8a01eabc19c5cd1d39809e738abc676624c145b73306e2254ce9c964dd9                                  |
| Broadcast policy       | ALLOW_PRIVATE_KEY_BROADCAST=false                                                                 |
| RPC proxy policy       | ALLOW_RPC_PROXY=false                                                                             |
| CORS                   | * (current development posture; restrict for production)                                          |
| API integration        | Regional REST API, AWS_PROXY integration, 29-second gateway timeout                               |
| Current authentication | API key required; authorizationType NONE                                                          |
| Current gaps           | No WAF association, no X-Ray tracing, no request validator, and API-key-only caller gate observed |

**DO NOT MISTAKE AN API KEY FOR IDENTITY**

AWS explicitly positions API keys and usage plans as metering/throttling controls, not authentication or authorization. Financial-institution production should use IAM authorization, a Lambda authorizer, Cognito where appropriate, and/or mTLS on a custom domain.

## Coverage response observed

## SANITIZED PRODUCTION RESPONSE

```
{
  "action": "COVERAGE",
  "catalogCount": 600,
  "curatedMainnetVariants": 9,
  "processors": {
    "bitcoin": 1,
    "evm": 438,
    "catalog-only": 96,
    "solana": 65
  },
  "transactionAdapters": [
    "evm-native",
    "erc20",
    "solana-native",
    "spl-token",
    "bitcoin-psbt"
  ]
}
```

## 03

## Architecture &amp; Trust Boundaries

Request flow, ephemeral signing, RPC isolation, and audit surfaces

## PROCESSOR REQUEST, SIGNING, AND OBSERVABILITY PATH

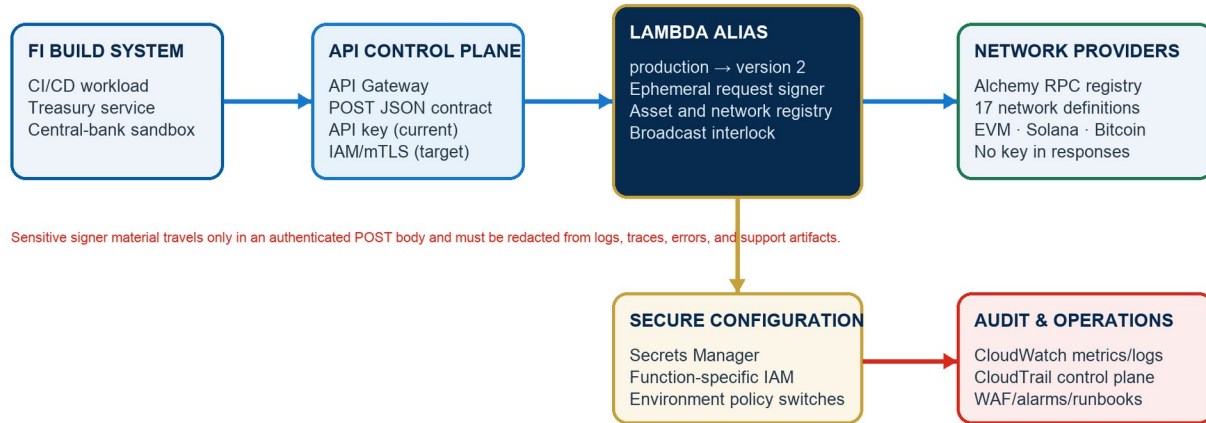


Figure 1. Reference processing path. Institutional controls shown as target-state capabilities must be implemented and authorized by the operating organization.

## Trust-boundary rules

1. Authenticate and authorize the caller before parsing wallet material or transaction instructions.
2. Accept private keys, WIFs, Solana secret keys, or BIP-39 phrases only in a TLS-protected POST body; never in URLs, query strings, headers used by intermediaries, metrics labels, or support tickets.
3. Redact signer material before application logging, API Gateway access logging, tracing, error capture, analytics, and dead-letter handling.
4. Resolve the asset and network against an allowlisted registry; do not infer a contract solely from a ticker symbol.
5. Prepare and policy-check first. Sign second. Broadcast only after independent authorization and the deployment-level broadcast interlock are both enabled.
6. Return only the minimum transaction artifact required by the caller. Persist no customer key material in Lambda execution environments.

**LAMBDA EXECUTION ENVIRONMENT REUSE**

AWS Lambda may reuse an execution environment. Never retain signer material, user-specific data, or decrypted secrets in module-level mutable state, temporary files, caches, or background work that can survive the invocation boundary.

## 04

## API Invocation Foundations

Headers, transport, error handling, timeouts, redaction, and idempotency

## Current commercial endpoint

[https://k1taspu0v4.execute-api.us-east-1.amazonaws.com/prod/functions/fednow\\_ncua\\_brics\\_token\\_processor](https://k1taspu0v4.execute-api.us-east-1.amazonaws.com/prod/functions/fednow_ncua_brics_token_processor)

- Method: POST
- Content type: application/json
- Current caller credential: x-api-key from an approved, secret-managed client configuration
- Recommended client timeout: 25 seconds; API Gateway integration timeout is 29 seconds and Lambda timeout is 30 seconds
- Never print request bodies for actions that can carry privateKey, signerPrivateKey, secretKey, wif, recoveryPhrase, mnemonic, or seedPhrase

## COMMERCIAL OBSERVATION CALL

```
export BRICS_PROCESSOR_URL='https://k1taspu0v4.execute-api.us-east-1.amazonaws.com/prod/functions/
fednow_ncua_brics_token_processor'
export BRICS_PROCESSOR_API_KEY='RETRIEVE_FROM_YOUR_APPROVED_SECRET_STORE'

curl --fail-with-body --silent --show-error \
  --connect-timeout 5 --max-time 25 \
  -H 'content-type: application/json' \
  -H "x-api-key: ${BRICS_PROCESSOR_API_KEY}" \
  --data '{"action": "COVERAGE"}' \
  "${BRICS_PROCESSOR_URL}"
```

## Error handling contract

| CLASS   | CLIENT BEHAVIOR                                                                | OPERATIONAL MEANING                                                 |
|---------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 2xx     | Validate JSON shape and action before use                                      | Processor accepted and handled the request                          |
| 400     | Do not retry unchanged input                                                   | Schema, asset, address, network, amount, or policy input is invalid |
| 401/403 | Refresh caller authorization; do not expose credential                         | Caller gate rejected the request                                    |
| 404     | Reconcile route, asset ID, or registry version                                 | Requested resource or mapping not found                             |
| 409     | Apply idempotency/reconciliation logic                                         | Conflict or duplicate operation                                     |
| 429     | Back off with jitter; honor quotas                                             | Rate or usage-plan control                                          |
| 5xx     | Retry only idempotent/read/prepare actions; escalate repeated signing failures | Service, provider, or dependency failure                            |

## IDEMPOTENCY

Add an institution-generated requestId/idempotency key at the caller boundary and persist a hash of the approved transaction intent. The current schema permits additional properties, but durable idempotency enforcement must be implemented in the authorized production gateway or processor release before automated broadcast.

## 05

## Action Reference

Supported JSON actions and production-safe calling patterns

| ACTION                 | CLASS      | PURPOSE                                                                                                   | CORE FIELDS                                    |
|------------------------|------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------|
| COVERAGE               | Read       | Returns catalog counts, processor mappings, network distribution, and installed transaction adapters.     | None                                           |
| NETWORKS               | Read       | Lists public network definitions without exposing provider credentials.                                   | None                                           |
| ASSETS                 | Read       | Pages through curated and market metadata, optionally filtered by network or query.                       | network, query, page, limit                    |
| ASSET                  | Read       | Resolves a single asset by assetId, symbol, slug, and optional network.                                   | assetId or symbol/slug                         |
| DERIVE_ADDRESS         | Sensitive  | Derives EVM, Solana, or Bitcoin addresses from request-scoped signer material.                            | network + one signer field                     |
| TOKEN_BALANCE          | Read       | Reads native/token balances for supported families; Bitcoin aggregation uses indexed RPC methods instead. | network, address/owner, asset or contract/mint |
| PREPARE_TOKEN_TRANSFER | Intent     | Builds unsigned EVM intent or validates transfer requirements; Bitcoin uses caller-built PSBT.            | network, asset/contract, from, to, amount      |
| SIGN_TOKEN_TRANSFER    | Sensitive  | Signs EVM/Solana transfer; broadcast is separately interlocked.                                           | network, signer, destination, amount, asset    |
| SIGN_BITCOIN_PSBT      | Sensitive  | Signs a caller-selected-input PSBT; optional finalize; broadcast separately interlocked.                  | network=bitcoin, signer, PSBT                  |
| CHAIN_RPC              | Privileged | Calls an approved JSON-RPC method on a configured network when RPC proxy policy allows.                   | network, method, params                        |

## Discovery and coverage

## LIST POLYGON ASSETS

```
{
  "action": "ASSETS",
  "network": "polygon",
  "query": "USDC",
  "page": 1,
  "limit": 50
}
```

## Address derivation

## BITCOIN ADDRESS DERIVATION — TEST CREDENTIAL PLACEHOLDER

```
{
  "action": "DERIVE_ADDRESS",
  "network": "bitcoin",
  "recoveryPhrase": "TWELVE VALID BIP39 WORDS IN THE POST BODY ONLY"
}
```

## CREDENTIAL POLICY

Production callers should not submit persistent institutional master keys to this interface. Use disposable test credentials for integration validation; use an approved custody/HSM/MPC signer for production funds.

## 06

## Network &amp; Token Recipes

Canonical examples for Polygon USDC, Ethereum stablecoins, Solana USDC, and Bitcoin PSBT

## Polygon PoS USDC — read and sign

## READ BALANCE

```
{
  "action": "TOKEN_BALANCE",
  "network": "polygon",
  "assetId": "usdc-polygon",
  "address": "0xOWNER_ADDRESS"
}
```

## SIGN WITHOUT BROADCAST

```
{
  "action": "SIGN_TOKEN_TRANSFER",
  "network": "polygon",
  "assetId": "usdc-polygon",
  "privateKey": "0xDISPOSABLE_TEST_KEY",
  "to": "0xDESTINATION",
  "amount": "1.00",
  "broadcast": false
}
```

## Ethereum USDC or USDT

- USDC canonical asset ID: usdc-ethereum; contract 0xA0b86991c6218b36c1d19d4a2e9eb0ce3606eb48; 6 decimals.
- USDT canonical asset ID: usdt-ethereum; contract 0xdAC17F958D2ee523a2206206994597C13D831ec7; 6 decimals.
- Always select by asset ID plus network where possible. Do not rely on a ticker alone across multiple chains.

## Solana USDC

## ATOMIC SOLANA BUILD AND SIGN

```
{
  "action": "SIGN_TOKEN_TRANSFER",
  "network": "solana",
  "assetId": "usdc-solana",
  "secretKey": "BASE58_OR_APPROVED_BYTE_ARRAY",
  "to": "SOLANA_DESTINATION",
  "amount": "1.00",
  "broadcast": false
}
```

## BLOCKHASH LIFETIME

Solana blockhashes expire quickly. The processor intentionally builds and signs the complete transaction atomically for SIGN\_TOKEN\_TRANSFER rather than returning a long-lived unsigned blockhash-dependent transaction.

## Bitcoin PSBT — caller-selected UTXO workflow

Bitcoin processing is deliberately separated from account-based token transfers. The caller retains responsibility for coin selection and submits a complete PSBT for constrained signing.

### CALLER-CONTROLLED UTXO SELECTION

```
{
  "action": "SIGN_BITCOIN_PSBT",
  "network": "bitcoin",
  "wif": "DISPOSABLE_TEST_WIF",
  "psbtBase64": "CALLER_CONSTRUCTED_PSBT",
  "finalize": true,
  "broadcast": false
}
```

- The caller or an approved coin-selection service chooses UTXOs, fee rate, change output, and recipient outputs before PSBT submission.
- The processor signs only inputs controlled by the supplied signer. It does not aggregate a Bitcoin address balance through `TOKEN_BALANCE`.
- Use `CHAIN_RPC` with approved Bitcoin methods or an institution-owned indexed service for UTXO discovery and transaction status.

### Production PSBT control sequence

| PHASE        | CONTROL OWNER                  | REQUIRED EVIDENCE                                                             |
|--------------|--------------------------------|-------------------------------------------------------------------------------|
| 1. Discover  | Institution-owned indexer      | Confirmed UTXOs, script type, confirmations, and canonical tip                |
| 2. Construct | Transaction service            | Recipient, amount, fee rate, change, locktime, and deterministic request ID   |
| 3. Authorize | Policy and approval tier       | Asset/network allowlist, velocity limits, sanctions checks, and dual control  |
| 4. Sign      | Processor plus approved signer | PSBT digest, matched inputs, signer identity, and broadcast=false by default  |
| 5. Broadcast | Restricted broadcaster         | Approved signed artifact, node response, and transaction identifier           |
| 6. Reconcile | Ledger operations              | Canonical confirmations, replacement/reorg status, and immutable intent match |

#### NO BLIND SIGNING

Reject any PSBT whose inputs, outputs, fee, change path, network, or intent record cannot be independently decoded and matched before authorization.

## 07

## Production Client Pattern

Typed calls, bounded retries, body redaction, and immutable intent records

## TYPESCRIPT — COMMERCIAL OBSERVATION CLIENT

```

type ProcessorRequest = { action: string; [key: string]: unknown };

const URL = process.env.BRICS_PROCESSOR_URL!;
const API_KEY = process.env.BRICS_PROCESSOR_API_KEY!;

export async function callProcessor(body: ProcessorRequest) {
  const controller = new AbortController();
  const timeout = setTimeout(() => controller.abort(), 25_000);
  try {
    const response = await fetch(URL, {
      method: "POST",
      headers: {
        "content-type": "application/json",
        "x-api-key": API_KEY,
        "x-client-request-id": crypto.randomUUID()
      },
      body: JSON.stringify(body),
      signal: controller.signal
    });
    const payload = await response.json();
    if (!response.ok) throw new Error(`processor ${response.status}: ${payload.error ?? "request failed"}`);
    return payload;
  } finally {
    clearTimeout(timeout);
  }
}

```

**LOGGING RULE**

Log action, approved asset/network identifiers, request ID, response code, latency, and policy decision. Never log request bodies for sensitive actions. Redact Authorization, x-api-key, private key, WIF, mnemonic, seed, PSBT signatures, and provider credentials.

## Direct Lambda invocation in one authorized account

## SAME-PARTITION AWS CLI

```

aws lambda invoke \
  --function-name fednow_ncua_brics_token_processor:production \
  --cli-binary-format raw-in-base64-out \
  --payload '{"action":"COVERAGE"}' \
  response.json

```

- Grant `lambda:InvokeFunction` only on the production alias ARN, not the unqualified function or `$LATEST`.
- Use a resource-based policy when cross-account invocation is approved in the same AWS partition.
- Direct invocation does not traverse API Gateway; reproduce authorization, schema validation, idempotency, logging, and transaction-policy controls in the caller or an institution-owned gateway.

## 08

## AWS GovCloud Integration

Cross-partition observation and native aws-us-gov production deployment

## GOVCLLOUD OPERATING MODELS

## A · OBSERVATION / TEST

GovCloud workload calls the current commercial API over controlled outbound HTTPS.

- Fastest validation path
- Crosses the GovCloud boundary
- Commercial endpoint and credentials
- Not a native GovCloud deployment

## B · NATIVE GOVCLLOUD

Redeploy the immutable package and controls inside aws-us-gov.

- Separate GovCloud credentials
- API Gateway + Lambda alias
- SigV4 and/or mTLS
- Secrets Manager in partition
- Preferred production pattern

## C · CONTROLLED BRIDGE

An institution-owned gateway mediates approved traffic between security domains.

- Egress allowlisting
- Request/response policy checks
- No direct secret relay
- Boundary logging and monitoring
- Formal authorization required

AWS commercial and AWS GovCloud are distinct partitions. IAM roles, ARNs, credentials, and resources do not cross automatically.

## PARTITION BOUNDARY

AWS GovCloud (US) and standard AWS use distinct accounts, credentials, IAM resources, ARNs, and service endpoints. A GovCloud role cannot directly invoke a commercial Lambda ARN. A GovCloud workload may call a commercial HTTPS API only through an organization-approved egress path; that call leaves the native GovCloud service boundary.

## Model A — GovCloud workload calling the commercial API

OBSERVATION/TEST ONLY UNLESS THE INSTITUTION AUTHORIZES THE CROSS-BOUNDARY DESIGN

```
# Execute inside an approved GovCloud workload with controlled outbound HTTPS.
curl --fail-with-body --silent --show-error \
  --connect-timeout 5 --max-time 25 \
  -H 'content-type: application/json' \
  -H 'x-api-key: ${BRICS_PROCESSOR_API_KEY}' \
  --data '{"action": "COVERAGE"}' \
  "${COMMERCIAL_BRICS_PROCESSOR_URL}"
```

## Model B — native GovCloud deployment (recommended for production)

- Obtain and configure separate GovCloud account credentials; verify identity in us-gov-west-1 or us-gov-east-1.
- Create GovCloud IAM roles and policies using arn:aws-us-gov. Do not copy commercial role ARNs.
- Create the Alchemy/provider secret in GovCloud Secrets Manager and grant the function role least-privilege retrieval.
- Deploy the verified ZIP checksum into Lambda, publish an immutable version, and create a production alias.
- Expose the alias through API Gateway. Lambda Function URLs are not available in GovCloud; use API Gateway or direct Lambda invocation.
- Configure AWS\_IAM authorization and SigV4, and/or a custom domain with mTLS. Disable the default API endpoint when all traffic must traverse mTLS.
- Enable resource policies, WAF where available/approved, structured redacted logs, alarms, CloudTrail verification, deployment evidence, rollback, and an institution-owned authorization package.

GOVCLLOUD DEPLOYMENT SKELETON — REPLACE PLACEHOLDERS THROUGH APPROVED IAC

```
aws configure --profile govcloud-prod
```

```
aws sts get-caller-identity \
  --profile govcloud-prod \
  --region us-gov-west-1

aws lambda create-function \
  --profile govcloud-prod \
  --region us-gov-west-1 \
  --function-name fednow_ncua_brics_token_processor \
  --runtime nodejs24.x \
  --architectures arm64 \
  --handler index.handler \
  --role arn:aws-us-gov:iam::GOV_ACCOUNT_ID:role/BRICS_PROCESSOR_ROLE \
  --zip-file fileb://fednow_ncua_brics_token_processor-v2-btc.zip
```

## SigV4 invocation from a GovCloud-native client

### ILLUSTRATIVE SIGV4 CALL

```
# API Gateway method must use authorizationType AWS_IAM.
awscurl --service execute-api \
  --region us-gov-west-1 \
  -X POST -H 'content-type: application/json' \
  -d '{"action": "COVERAGE"}' \
  'https://GOV_API_ID.execute-api.us-gov-west-1.amazonaws.com/prod/functions/fednow_ncua_brics_token_processor'
```

## Cross-partition validation checklist

- Resolve the endpoint from approved configuration; never copy a commercial ARN into a GovCloud IAM policy.
- Prove SigV4 identity, resource-policy scope, TLS trust, DNS resolution, and egress routing in the target partition.
- Confirm GovCloud-local secrets, logs, alarms, CloudTrail trails, artifact stores, and evidence retention before value operations.
- Run COVERAGE, NETWORKS, canonical-asset balance reads, sign-without-broadcast, denial, timeout, and rollback tests.
- Treat any call from GovCloud to the commercial API as an explicit cross-boundary design requiring institutional approval.

## 09

## Institutional Security Control Baseline

Minimum technical gates before live-value authorization

| DOMAIN        | PRODUCTION CONTROL                                                                                  | GATE                          |
|---------------|-----------------------------------------------------------------------------------------------------|-------------------------------|
| Identity      | AWS IAM/SigV4 or approved authorizer; mTLS for system-to-system trust; API keys only for metering   | Required                      |
| Custody       | HSM/MPC/custody-provider signer; no durable raw keys in application requests                        | Required for production funds |
| Intent        | Immutable transaction intent; asset/chain allowlist; amount/velocity/recipient/fee controls         | Required                      |
| Approval      | Dual control or policy engine before sign/broadcast; segregation of duties                          | Required                      |
| Transport     | TLS 1.2+; private connectivity where available; certificate lifecycle and outbound allowlist        | Required                      |
| Validation    | API Gateway request validator plus application schema validation; strict method allowlist           | Required                      |
| Secrets       | Secrets Manager rotation; least-privilege retrieval; no secret in environment snapshots or logs     | Required                      |
| Observability | Metrics, redacted structured logs, CloudTrail, WAF events, provider health, reconciliation          | Required                      |
| Resilience    | Reserved concurrency, backpressure, bounded retries, idempotency, DLQ/error queue, rollback         | Required                      |
| Supply chain  | Pinned dependencies, SBOM, vulnerability scanning, code signing, artifact checksum, immutable alias | Required                      |
| Data          | Classification, retention schedule, encryption, log redaction, residency/boundary review            | Required                      |
| Compliance    | Independent legal/AML/sanctions/accounting/model-risk/ATO review                                    | Organization owned            |

## Broadcast interlock

**TWO CONDITIONS ARE MANDATORY**

A request can broadcast only when `body.broadcast=true` and the deployment policy `ALLOW_PRIVATE_KEY_BROADCAST=true`. The validated production alias has broadcast disabled. Enabling it is a controlled release requiring transaction-policy enforcement, separation of duties, reconciliation, incident response, and rollback evidence.

## Prohibited handling

- Do not send private keys or recovery phrases in query strings, GET requests, browser address bars, email, chat, support tickets, telemetry, or test fixtures committed to source control.
- Do not enable arbitrary RPC proxying for untrusted callers. `CHAIN_RPC` methods must be allowlisted by network and caller purpose.
- Do not accept a token address solely from an untrusted end user for value movement without policy validation, decimals verification, and contract-risk checks.
- Do not treat catalog presence, ticker equality, logo equality, or a matching name as proof that an asset is authentic or transaction-ready.

## 10

## SRE, Monitoring & Incident Operations

Service indicators, alarms, reconciliation, and emergency controls

### Minimum service indicators

| SIGNAL             | DIMENSION                                        | OPERATOR ACTION                                                                  |
|--------------------|--------------------------------------------------|----------------------------------------------------------------------------------|
| Invocation success | action, network, asset family                    | Alarm on sustained error-rate deviation; preserve redacted request ID            |
| Latency            | p50/p95/p99 by action                            | Separate provider latency from processor duration; track 25-second client budget |
| Throttles          | API stage, usage plan, Lambda concurrency        | Backpressure callers; raise limits only after capacity review                    |
| Provider health    | network + RPC host                               | Run read-only preflight; quarantine degraded network mappings                    |
| Signing outcomes   | family, policy decision                          | Alert on any unexpected broadcast attempt or signer mismatch                     |
| Reconciliation     | request ID, transaction hash, ledger status      | Detect missing, duplicate, replaced, or reorg-affected transactions              |
| Security           | WAF, auth failures, secret access, policy denies | Escalate anomalies to incident response                                          |

### Incident runbook

14. Contain: disable broadcast policy, shift alias to last-known-good version, revoke exposed caller credentials, and quarantine affected network methods.
15. Preserve: retain CloudTrail control-plane evidence, sanitized logs, deployment manifests, checksums, policy decisions, and transaction identifiers. Never copy signer secrets into the incident record.
16. Assess: identify affected actions, accounts, networks, transactions, provider endpoints, callers, and time window.
17. Reconcile: compare approved intent records, signed artifacts, broadcast receipts, and canonical ledger state.
18. Recover: restore through an approved release, rotate secrets, verify read-only health, then re-enable signing and broadcast in controlled stages.
19. Review: complete root-cause, control-gap, customer-impact, regulatory-notification, and prevention actions under institutional governance.

**EMERGENCY DEFAULT**

When transaction integrity, signer provenance, network identity, provider integrity, or reconciliation is uncertain, stop broadcast. Continue only read-only coverage, asset, network, and status operations that the incident commander authorizes.

## 11

## Release, Rollback & Acceptance

Immutable versions, checksum evidence, test gates, and production handoff

### Release sequence

20. Build from a controlled source commit; produce a dependency lockfile, SBOM, vulnerability results, test evidence, and reproducible ZIP.
21. Verify the ZIP SHA-256 and deployment manifest before upload. Store artifacts in an approved, versioned evidence repository.
22. Deploy to a nonproduction function or unpublished \$LATEST; run schema, unit, integration, negative, credential-redaction, and provider-preflight tests.
23. Publish an immutable Lambda version. Point a canary alias at the new version and validate read, prepare, sign-without-broadcast, and policy-denial paths.
24. Promote the production alias only after authorized approval. Monitor error rate, latency, throttles, provider failures, and signer-policy outcomes.
25. Rollback by moving the alias to the last-known-good immutable version; never attempt to modify an already published version.

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| Validated artifact | fednow_ncua_brics_token_processor-v2-btc-20260809162450.zip                                             |
| Validated alias    | production → version 2                                                                                  |
| Validated posture  | Signing available; broadcast disabled                                                                   |
| Acceptance scope   | Contract, catalog, family adapters, credential redaction, checksum, live coverage, and canonical assets |

### Production acceptance checklist

- ☐ Caller identity and authorization enforce least privilege; API key is not the sole security control.
- ☐ Custom domain/mTLS or SigV4 is validated end to end; default endpoint disabled where policy requires.
- ☐ No private key, WIF, mnemonic, seed, secret key, raw signed transaction, or API credential appears in logs or traces.
- ☐ Broadcast remains disabled until transaction policy, approval, reconciliation, and incident controls are approved.
- ☐ All transaction-ready contract addresses and decimals are independently verified for the target network.
- ☐ Bitcoin UTXO/fee/change policy and Solana blockhash lifetime are tested under production timing conditions.
- ☐ RPC provider failure, rate limiting, reorg, replacement, and chain halt scenarios are tested.
- ☐ CloudTrail delivery, alarm routing, dashboard ownership, on-call rotation, and rollback permissions are verified.
- ☐ GovCloud deployment uses GovCloud credentials, endpoints, service availability, IAM ARNs, and Secrets Manager resources.
- ☐ Legal, compliance, AML/sanctions, accounting, model-risk, privacy, and ATO decisions are documented by accountable owners.

## A

## Annex A — Network Registry

Configured network definitions and observed packaged-variant distribution

| ID        | NETWORK                 | FAMILY  | CHAIN ID | NATIVE | PROVIDER HOST                       | VARIANTS | REGISTRY   |
|-----------|-------------------------|---------|----------|--------|-------------------------------------|----------|------------|
| ethereum  | Ethereum Mainnet        | evm     | 1        | ETH    | eth-mainnet.g.alchemy.com           | 307      | Configured |
| polygon   | Polygon PoS Mainnet     | evm     | 137      | POL    | polygon-mainnet.g.alchemy.com       | 3        | Configured |
| solana    | Solana Mainnet          | solana  | —        | SOL    | solana-mainnet.g.alchemy.com        | 65       | Configured |
| bitcoin   | Bitcoin Mainnet         | bitcoin | —        | BTC    | bitcoin-mainnet.g.alchemy.com       | 1        | Configured |
| bnb       | BNB Smart Chain Mainnet | evm     | 56       | BNB    | bnb-mainnet.g.alchemy.com           | 97       | Configured |
| base      | Base Mainnet            | evm     | 8453     | ETH    | base-mainnet.g.alchemy.com          | 15       | Configured |
| arbitrum  | Arbitrum One            | evm     | 42161    | ETH    | arb-mainnet.g.alchemy.com           | 3        | Configured |
| optimism  | OP Mainnet              | evm     | 10       | ETH    | opt-mainnet.g.alchemy.com           | 1        | Configured |
| zksync    | ZKsync Era Mainnet      | evm     | 324      | ETH    | zksync-mainnet.g.alchemy.com        | 2        | Configured |
| linea     | Linea Mainnet           | evm     | 59144    | ETH    | linea-mainnet.g.alchemy.com         | 1        | Configured |
| celo      | Celo Mainnet            | evm     | 42220    | CELO   | celo-mainnet.g.alchemy.com          | 2        | Configured |
| core      | Core Mainnet            | evm     | 1116     | CORE   | core-mainnet.g.alchemy.com          | 1        | Configured |
| astar     | Astar Mainnet           | evm     | 592      | ASTR   | astar-mainnet.g.alchemy.com         | 1        | Configured |
| berachain | Berachain Mainnet       | evm     | 80094    | BERA   | berachain-mainnet.g.alchemy.com     | 1        | Configured |
| manta     | Manta Pacific Mainnet   | evm     | 169      | ETH    | manta-pacific-mainnet.g.alchemy.com | 1        | Configured |
| ronin     | Ronin Mainnet           | evm     | 2020     | RON    | ronin-mainnet.g.alchemy.com         | 1        | Configured |
| sonic     | Sonic Mainnet           | evm     | 146      | S      | sonic-mainnet.g.alchemy.com         | 1        | Configured |

**PREFLIGHT REQUIREMENT**

Configured means the deployment contains a network definition. It does not guarantee that the provider plan, host, chain service, or institutional policy currently permits the request. Run a read-only health preflight for every network during release and continuously in production; quarantine any failed mapping.

**Provider-resolution rules**

- The Alchemy credential is retrieved from Secrets Manager and combined with an allowlisted host from the network registry.
- Public API responses expose network metadata but never the provider key.
- Contract addresses and token mints are network-specific. The same ticker may refer to different contracts on different networks.
- Core and Manta definitions require explicit provider-plan and current-host verification before production authorization; all networks require recurrent preflight regardless of prior reachability.

## B

## Annex B — Asset &amp; Token Address Registry

609 packaged variants: canonical curated entries followed by the owner-supplied 600-record market catalog

## REGISTRY INTERPRETATION

Canonical curated rows are transaction-ready build inputs. CMC600 rows are market metadata supplied by the project owner. An address is copied from that source record and is not independently certified by this manual. Verify chain, contract/mint, decimals, proxy status, issuer, and operational policy before any value movement. Exact unwrapped values are in the companion CSV.

| #  | SRC     | ASSET ID      | SYMBOL | NAME                    | NETWORK  | PROCESSOR | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE              | READY |
|----|---------|---------------|--------|-------------------------|----------|-----------|--------|-----|-----------------------------------------------|-------|
| 1  | Curated | btc-mainnet   | BTC    | Bitcoin                 | bitcoin  | bitcoin   | native | 8   | Native asset – no contract                    | Yes   |
| 2  | Curated | eth-mainnet   | ETH    | Ethereum                | ethereum | evm       | native | 18  | Native asset – no contract                    | Yes   |
| 3  | Curated | usdc-ethereum | USDC   | USD Coin                | ethereum | evm       | token  | 6   | 0xA0b86991c6218b36c1d19d4a2e9eb0ce3606eb48    | Yes   |
| 4  | Curated | usdt-ethereum | USDT   | Tether USDt             | ethereum | evm       | token  | 6   | 0xdAC17F958D2ee523a2206206994597C13D831ec7    | Yes   |
| 5  | Curated | pol-polygon   | POL    | Polygon Ecosystem Token | polygon  | evm       | native | 18  | Native asset – no contract                    | Yes   |
| 6  | Curated | usdc-polygon  | USDC   | USD Coin                | polygon  | evm       | token  | 6   | 0x3c499c542cEF5E3811e1192ce70d8cC03d5c3359    | Yes   |
| 7  | Curated | sol-solana    | SOL    | Solana                  | solana   | solana    | native | 9   | Native asset – no contract                    | Yes   |
| 8  | Curated | usdc-solana   | USDC   | USD Coin                | solana   | solana    | token  | 6   | EPjFWdd5AufqSSqeMzqN1x2yBapC864wEGGkZwyTDt1v  | Yes   |
| 9  | Curated | bnb-mainnet   | BNB    | BNB                     | bnb      | evm       | native | 18  | Native asset – no contract                    | Yes   |
| 10 | CMC600  | 38337         | OG     | OG                      | ethereum | evm       | token  | —   | 0x4B948d64dE1F71fd12fB586f4c776421a35b3eE     | Yes   |
| 11 | CMC600  | 1896          | ZRX    | 0x Protocol             | ethereum | evm       | token  | —   | 0xe41d2489571d322189246daafa5ebde1f4699f498   | Yes   |
| 12 | CMC600  | 8104          | 1INCH  | 1inch                   | ethereum | evm       | token  | —   | 0x111111111117dc0aa78b779fa6a738034120c302    | Yes   |
| 13 | CMC600  | 7184          | KOGE   | 48 Club Token           | bnb      | evm       | token  | —   | 0xe6df95ce8c8301223373cf5b969afcb1498c5528    | Yes   |
| 14 | CMC600  | 7278          | AAVE   | Aave                    | ethereum | evm       | token  | —   | 0x7Fc66500c84A76Ad7e9c93437bFc5Ac33E2DDaE9    | Yes   |
| 15 | CMC600  | 3871          | AB     | AB                      | bnb      | evm       | token  | —   | 0x95034f653d5d161890836ad2b6b8cc49d14e029a    | Yes   |
| 16 | CMC600  | 22620         | ACX    | Across Protocol         | ethereum | evm       | token  | —   | 0x44108f0223A3C3028F5Fe7AEC7f9bb2E66beF82F    | Yes   |
| 17 | CMC600  | 35976         | YUSD   | Aegis YUSD              | ethereum | evm       | token  | —   | 0x4274cd7277C7bb0806Bd5FE84b9aDAE466a8DA0a    | Yes   |
| 18 | CMC600  | 2299          | ELF    | aelf                    | ethereum | evm       | token  | —   | 0xbf2179859fc6D5BE9Bf9158632Dc51678a4100e     | Yes   |
| 19 | CMC600  | 29270         | AERO   | Aerodrome Finance       | base     | evm       | token  | —   | 0x940181a94a35a4569e4529a3cdfb74e38fd98631    | Yes   |
| 20 | CMC600  | 30083         | ATH    | Aethir                  | ethereum | evm       | token  | —   | 0xbe0ed4138121ecfc5c0eb40517da27e6c5226b      | Yes   |
| 21 | CMC600  | 28688         | AIAT   | AI Analysis Token       | ethereum | evm       | token  | —   | 0x0501b9188436E35bB10F35998c40ADC079003866    | Yes   |
| 22 | CMC600  | 34926         | ARC    | AI Rig Complex          | solana   | solana    | token  | —   | 61V8vBaqAGMpgDQ14JcAwo1dmbBGHsyhzodcPqnEVpump | Yes   |
| 23 | CMC600  | 30605         | ALE    | Ailey                   | bnb      | evm       | token  | —   | 0x9dCE13E71B11eb5f66ca269bD657696587Fd4E2     | Yes   |

| #  | SRC    | ASSET ID | SYMBOL  | NAME                                    | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                     | READY |
|----|--------|----------|---------|-----------------------------------------|----------|--------------|--------|-----|----------------------------------------------------------------------|-------|
| 24 | CMC600 | 9816     | NFT     | AINFT                                   | ethereum | evm          | token  | —   | 0x198d14f2ad9ce69e76ea330b374de4957c3f850a                           | Yes   |
| 25 | CMC600 | 9104     | AIOZ    | AIOZ Network                            | ethereum | evm          | token  | —   | 0x626E8036dEB33b408Be468F951bd842433c8F18                            | Yes   |
| 26 | CMC600 | 40558    | AVV     | AIVIVE                                  | solana   | solana       | token  | —   | FG4HFf9tc3GbbqqQ5FPjJkTws1JCanuonFrSv4rhvVsQ                         | Yes   |
| 27 | CMC600 | 7431     | AKT     | Akash Network                           | unmapped | catalog-only | token  | —   | 1bc/1480B8FD20A05FCAE81EA87584D269547DD4D436843C1D20F15E00EB64743EF4 | No    |
| 28 | CMC600 | 38127    | AKE     | AKEDO                                   | bnb      | evm          | token  | —   | 0x2c3a8Ee94dDD97244a938c48298f97d2C412F7Db                           | Yes   |
| 29 | CMC600 | 36195    | AGT     | Alaya Governance Token                  | bnb      | evm          | token  | —   | 0x5d8De81fcE337FF4bcaaEe4Ca3466C00aeCaE274                           | Yes   |
| 30 | CMC600 | 34880    | ALCH    | Alchemist AI                            | solana   | solana       | token  | —   | HNq5PYJmtqcmzXrv6S9zP1CDKk5BgDuyFBxbvNpump                           | Yes   |
| 31 | CMC600 | 6958     | ACH     | Alchemy Pay                             | ethereum | evm          | token  | —   | 0xed04915c23f00a313a544955524eb7dbd823143d                           | Yes   |
| 32 | CMC600 | 4030     | ALGO    | Algorand                                | unmapped | catalog-only | token  | —   | 0                                                                    | No    |
| 33 | CMC600 | 38908    | ALLO    | Allora                                  | ethereum | evm          | token  | —   | 0x8408D45b61f5823298F19a09953b7339c0280489                           | Yes   |
| 34 | CMC600 | 38001    | GOOGLon | Alphabet Class A Tokenized Stock (Ondo) | ethereum | evm          | token  | —   | 0xbA47214eDd2bb43099611b288f75E4b42FDcfEdc                           | Yes   |
| 35 | CMC600 | 37013    | GOOGLX  | Alphabet tokenized stock (xStock)       | solana   | solana       | token  | —   | XsCPL9dNwBMvFTmwcCA5v3xWPSMEBCszbQdILLQ6An                           | Yes   |
| 36 | CMC600 | 29073    | ALT     | Altlayer                                | ethereum | evm          | token  | —   | 0x8457CA5040ad67fdebBC8EdCE89A335Bc0fbFB                             | Yes   |
| 37 | CMC600 | 6945     | AMP     | Amp                                     | ethereum | evm          | token  | —   | 0xff20817765cb77f73d4bd62e66e067e58d11095c2                          | Yes   |
| 38 | CMC600 | 4056     | AMPL    | Ampleforth                              | ethereum | evm          | token  | —   | 0xd46ba6d9420500489dbd938a2c909a5d5039a161                           | Yes   |
| 39 | CMC600 | 3783     | ANKR    | Ankr                                    | ethereum | evm          | token  | —   | 0x8290333cef9e6d528dd5618fb97a76f268f3edd4                           | Yes   |
| 40 | CMC600 | 38481    | XAN     | Anoma                                   | ethereum | evm          | token  | —   | 0xcedbea37c8872c4171259cdfd5255cb8923cf8e7                           | Yes   |
| 41 | CMC600 | 39094    | ANTFUN  | AntFun                                  | bnb      | evm          | token  | —   | 0x6ced5c6d3f913b48d59fa07abfbfe9060c409087c                          | Yes   |
| 42 | CMC600 | 27048    | APEPE   | Ape and Pepe                            | polygon  | evm          | token  | —   | 0xA3f751662e282E83EC3c8c387d225Ca56dD63D3A                           | Yes   |
| 43 | CMC600 | 18876    | APE     | ApeCoin                                 | ethereum | evm          | token  | —   | 0x4d224452801aced8b2f0aebe155379bb5d594381                           | Yes   |
| 44 | CMC600 | 19843    | APEX    | ApeX Protocol                           | ethereum | evm          | token  | —   | 0x52A8845DF664D76C69d2EEa607CD793565aF42B8                           | Yes   |
| 45 | CMC600 | 38569    | APR     | aPriori                                 | ethereum | evm          | token  | —   | 0x5A9610919f5e81183823A2be48d1BeB2B4da2a20                           | Yes   |
| 46 | CMC600 | 38757    | AT      | APRO                                    | ethereum | evm          | token  | —   | 0x0581CCdf2d9BCA21baEfF8b32b2551fd49CF0aa                            | Yes   |
| 47 | CMC600 | 21794    | APT     | Aptos                                   | unmapped | catalog-only | token  | —   | 0x1::aptos_coin::AptosCoin                                           | No    |
| 48 | CMC600 | 11841    | ARB     | Arbitrum                                | ethereum | evm          | token  | —   | 0xB50721BCf8d664c30412CFbc6cf7a15145234ad1                           | Yes   |
| 49 | CMC600 | 39970    | ARX     | Arcium                                  | bnb      | evm          | token  | —   | 0xd5f6ef5deabe61e6d5cdB49bf6b6f156f2c1ca715                          | Yes   |
| 50 | CMC600 | 27565    | ARKM    | Arkham                                  | ethereum | evm          | token  | —   | 0x6e2a43be0b1d33b726f0ca3b8de60b3482b8b050                           | Yes   |
| 51 | CMC600 | 3773     | FET     | Artificial Superintelligence Alliance   | ethereum | evm          | token  | —   | 0xaae46A60368A7bd060eeC7DF8CBA43b7EF41Ad85                           | Yes   |
| 52 | CMC600 | 5632     | AR      | Arweave                                 | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                     | No    |
| 53 | CMC600 | 12885    | ASTR    | Astar                                   | astar    | evm          | native | —   | Native asset – no contract                                           | Yes   |

| #  | SRC    | ASSET ID | SYMBOL    | NAME                  | NETWORK   | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE             | READY |
|----|--------|----------|-----------|-----------------------|-----------|--------------|--------|-----|----------------------------------------------|-------|
| 54 | CMC600 | 36341    | ASTER     | Aster                 | bnb       | evm          | token  | —   | 0x000Ae314E2A2172a039B26378814C252734F556A   | Yes   |
| 55 | CMC600 | 35437    | USDF      | Aster USDF            | bnb       | evm          | token  | —   | 0x5A118fC00474038f6c02E89C707D638602EA4485   | Yes   |
| 56 | CMC600 | 39880    | ASTEROID  | Asteroid Shiba        | ethereum  | evm          | token  | —   | 0xf280b16ef293d8e534e370794ef26bf312694126   | Yes   |
| 57 | CMC600 | 36310    | ATOS      | Atoshi                | ethereum  | evm          | token  | —   | 0x4D0528598F916Fd1D8dc80e5F54a8fEEDcFd4b18   | Yes   |
| 58 | CMC600 | 38837    | BEAT      | Audiera               | bnb       | evm          | token  | —   | 0xcF3232B85b43BCa90E51D38cc06Cc8bB8C8A3E36   | Yes   |
| 59 | CMC600 | 32864    | AUSD      | AUSD                  | ethereum  | evm          | token  | —   | 0x00000000eFE302BAA2b3e6e1b18d08D69a9012a    | Yes   |
| 60 | CMC600 | 5805     | AVAX      | Avalanche             | bnb       | evm          | token  | —   | 0x1ce0c2827e2ef14d5c4f29a091d735a204794041   | Yes   |
| 61 | CMC600 | 38299    | AVNT      | Avantis               | base      | evm          | token  | —   | 0x696F9436B67233384889472Cd7cD58A6fB5Df4f1   | Yes   |
| 62 | CMC600 | 4006     | AWE       | AWE                   | base      | evm          | token  | —   | 0x184617734C43F6159F3a78b7E06d883647512778   | Yes   |
| 63 | CMC600 | 17799    | AXL       | Axelar                | ethereum  | evm          | token  | —   | 0x467719aD09025FcC6cF6F8311755809d45a5E5f3   | Yes   |
| 64 | CMC600 | 6783     | AXS       | Axie Infinity         | ethereum  | evm          | token  | —   | 0xbbb0e17ef65f82ab018d8ed776e8dd940327b28b   | Yes   |
| 65 | CMC600 | 39521    | AZTEC     | Aztec                 | ethereum  | evm          | token  | —   | 0xA27EC0006e59f245217Ff8CD52A7E8b169E62D2    | Yes   |
| 66 | CMC600 | 10407    | BabyDoge  | Baby Doge Coin        | ethereum  | evm          | token  | —   | 0xac57de9c1a09fec648e93eb98875b212db0d460b   | Yes   |
| 67 | CMC600 | 32198    | BABY      | Babylon               | unmapped  | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 68 | CMC600 | 39686    | BP        | Backpack              | solana    | solana       | token  | —   | BPxxFRcxkUVhig4HS1Lh7kZqV6SPJhzfEk4x6fVbJPcy | Yes   |
| 69 | CMC600 | 34118    | BANANAS31 | Banana For Scale      | bnb       | evm          | token  | —   | 0x3d4f0513e8a29669b960f9dbc61861548a9a760    | Yes   |
| 70 | CMC600 | 1727     | BNT       | Bancor                | ethereum  | evm          | token  | —   | 0x1f573d6fb3f13d689ff844b4ce37794d79a7ff1c   | Yes   |
| 71 | CMC600 | 4679     | BAND      | Band                  | ethereum  | evm          | token  | —   | 0xba11d00c5f74255f56a5e366f4f77f5a186d7f55   | Yes   |
| 72 | CMC600 | 37545    | BNKR      | BankrCoin             | base      | evm          | token  | —   | 0x22af33fe49fd1fa80c7149773dde5890d3c76f3b   | Yes   |
| 73 | CMC600 | 1697     | BAT       | Basic Attention Token | ethereum  | evm          | token  | —   | 0x8d8775f648430679a709e98d2b0cb6250d2887ef   | Yes   |
| 74 | CMC600 | 28298    | BEAM      | Beam                  | ethereum  | evm          | token  | —   | 0x62D0A8A458eD7719FDAF978fe5929C6D342B0bFcE  | Yes   |
| 75 | CMC600 | 36063    | BR        | Bedrock               | ethereum  | evm          | token  | —   | 0x9b61879e91a0b1322f3d61c23aaF936231882096   | Yes   |
| 76 | CMC600 | 3987     | BDX       | Beldex                | ethereum  | evm          | token  | —   | 0x6ad12E761b438beA3EA09F6C6266556Bb24C2181   | Yes   |
| 77 | CMC600 | 24647    | BERA      | Berachain             | berachain | evm          | native | —   | Native asset – no contract                   | Yes   |
| 78 | CMC600 | 9543     | BICO      | Biconomy              | ethereum  | evm          | token  | —   | 0xF17e65822b568B3903685a7c9F496CF7656Cc6C2   | Yes   |
| 79 | CMC600 | 39545    | BILL      | Billions Network      | ethereum  | evm          | token  | —   | 0xb110919016846972056AB995054D65560D5f05E    | Yes   |
| 80 | CMC600 | 24877    | BIM       | BIM                   | base      | evm          | token  | —   | 0x555FFF48549C1A25a723Bd8e7eD10870D82E8379   | Yes   |
| 81 | CMC600 | 34812    | BIO       | Bio Protocol          | ethereum  | evm          | token  | —   | 0xcb1592591996765ec0efc1f92599a19767ee5ffa   | Yes   |
| 82 | CMC600 | 1        | BTC       | Bitcoin               | bitcoin   | bitcoin-read | native | —   | Native asset – no contract                   | Yes   |
| 83 | CMC600 | 1831     | BCH       | Bitcoin Cash          | bnb       | evm          | token  | —   | 0x8fF795a6F4D97E7887C79bEa79aba5cc76444aDf   | Yes   |

| #   | SRC    | ASSET ID | SYMBOL  | NAME                    | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                 | READY |
|-----|--------|----------|---------|-------------------------|----------|--------------|--------|-----|--------------------------------------------------|-------|
| 84  | CMC600 | 3602     | BSV     | Bitcoin SV              | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                 | No    |
| 85  | CMC600 | 35637    | BDCA    | BitDCA                  | bnb      | evm          | token  | —   | 0x9c8382719ef242cae2247e4dec2891fbf699818        | Yes   |
| 86  | CMC600 | 11092    | BGB     | Bitget Token            | ethereum | evm          | token  | —   | 0x5402252757e1672EEaD234D27B1270728f90581        | Yes   |
| 87  | CMC600 | 22974    | TAO     | Bittensor               | solana   | solana       | token  | —   | taoC6xyv2v8tDLcev4uaGUv4vdQsWJrGft2kcBRrBY       | Yes   |
| 88  | CMC600 | 16086    | BTT     | BitTorrent [New]        | ethereum | evm          | token  | —   | 0xc669928185dbce49d2230c9b0979be6dc797957        | Yes   |
| 89  | CMC600 | 39158    | BTW     | Bitway                  | ethereum | evm          | token  | —   | 0x3A63DE3572c69a1307ff08394f3Ee7702C16d25d       | Yes   |
| 90  | CMC600 | 38466    | BLESS   | Bless                   | bnb      | evm          | token  | —   | 0x7C8217517ed4711fe2DECCdFefFE8d906b9Ae11F       | Yes   |
| 91  | CMC600 | 38889    | BSB     | Block Street            | ethereum | evm          | token  | —   | 0xdb6ba5d510f114f9b2ea08bea7d30e32eee33411       | Yes   |
| 92  | CMC600 | 23121    | BLUR    | Blur                    | ethereum | evm          | token  | —   | 0x5283d291dbcf85356a21ba090e6db59121208b44       | Yes   |
| 93  | CMC600 | 38717    | BLUAI   | Bluwale                 | bnb      | evm          | token  | —   | 0xed9Ae30EF8d6F052971Bb8b6d1975FF267Cf9aaD       | Yes   |
| 94  | CMC600 | 1839     | BNB     | BNB                     | bnb      | evm          | native | —   | Native asset – no contract                       | Yes   |
| 95  | CMC600 | 37387    | BAS     | BNB Attestation Service | bnb      | evm          | token  | —   | 0x0f0df6cb17ee5e883eddfe9153fc6036bdb4e37        | Yes   |
| 96  | CMC600 | 23095    | BONK    | Bonk                    | ethereum | evm          | token  | —   | 0x1151CB3d861920e07a38e03eEAd12C32178567F6       | Yes   |
| 97  | CMC600 | 29870    | BOME    | BOOK OF MEME            | solana   | solana       | token  | —   | ukHH6c7mMyIwCf1b9pnrWe25TSpkDDt3H5pQZgZ74J82     | Yes   |
| 98  | CMC600 | 29743    | BRETT   | Brett (Based)           | bnb      | evm          | token  | —   | 0xa7440029eca41deabd8775ef1d6006b37d4df8d6       | Yes   |
| 99  | CMC600 | 36352    | B2      | BSquared Network        | bnb      | evm          | token  | —   | 0x783c3f003f172c6Ac5AC780218a357d2D66Ee2a2       | Yes   |
| 100 | CMC600 | 35214    | BMT     | Bubblemaps              | bnb      | evm          | token  | —   | 0x7d814b9eD370Ec0a50E2dC3267393bF62d891B62       | Yes   |
| 101 | CMC600 | 36532    | B       | BUILDOn                 | bnb      | evm          | token  | —   | 0x6bdccce4a559076e37755a78ce0c06214e59e4444      | Yes   |
| 102 | CMC600 | 30460    | BURN    | Burnedfi                | bnb      | evm          | token  | —   | 0x19c018e13cfff682e729cc7b5fb68c8a641bf98a4      | Yes   |
| 103 | CMC600 | 4687     | BUSD    | BUSD                    | ethereum | evm          | token  | —   | 0x4Fabb145d64652a948d72533023f6E7A623C7C53       | Yes   |
| 104 | CMC600 | 37745    | CTM     | c8ntinuum               | ethereum | evm          | token  | —   | 0xc8Fb80fCc03f699c70ff0C08C09106288888888        | Yes   |
| 105 | CMC600 | 37263    | CC      | Canton                  | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                 | No    |
| 106 | CMC600 | 40531    | CAP     | Cap                     | ethereum | evm          | token  | —   | 0x99991c6AAbba5a096f24f250b73500F5179b9999       | Yes   |
| 107 | CMC600 | 39151    | PYBOBO  | Capybobo                | solana   | solana       | token  | —   | D6xWgRCSHoMEBSfqPwk3p6Stxirn5ym2WwboSTTx4oE      | Yes   |
| 108 | CMC600 | 2010     | ADA     | Cardano                 | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                 | No    |
| 109 | CMC600 | 5444     | CTSI    | Cartesi                 | ethereum | evm          | token  | —   | 0x491604c09df08347dd1f04ee062a822a5dd06b5d       | Yes   |
| 110 | CMC600 | 40809    | CASHCAT | Cash Cat                | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                 | No    |
| 111 | CMC600 | 5899     | CSPR    | Casper                  | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                 | No    |
| 112 | CMC600 | 30126    | MEW     | cat in a dogs world     | solana   | solana       | token  | —   | MEW1gQWJ3nEXg2qgERiKu7FAFj79PHVQVREQUzScPP5      | Yes   |
| 113 | CMC600 | 32966    | CATI    | Catizen                 | unmapped | catalog-only | token  | —   | EQD-cvR0Nz6XAYRBvbnz-abTrRC6S15tvHvVpeQrav9UAA07 | No    |

| #   | SRC    | ASSET ID | SYMBOL   | NAME                                            | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                                    | READY |
|-----|--------|----------|----------|-------------------------------------------------|----------|--------------|--------|-----|-------------------------------------------------------------------------------------|-------|
| 114 | CMC600 | 22861    | TIA      | Celestia                                        | unmapped | catalog-only | token  | —   | 1bc/<br>D79E7D83AB399BFF934<br>33E54FAA480C191248FC55<br>69<br>24A2A8351AE2638B3877 | No    |
| 115 | CMC600 | 5567     | CELO     | Celo                                            | celo     | evm          | token  | —   | 0x471ece3750da237f93b8<br>e3<br>39c536989b8978a438                                  | Yes   |
| 116 | CMC600 | 7236     | CUSD     | Celo Dollar                                     | celo     | evm          | token  | —   | 0x765de816845861e75a25<br>fc<br>a122bb6898b8b1282a                                  | Yes   |
| 117 | CMC600 | 6748     | CFG      | Centrifuge                                      | ethereum | evm          | token  | —   | 0xcccccccccc33d538dbc2<br>ee<br>4feab0a7a1ff4e8a94                                  | Yes   |
| 118 | CMC600 | 37340    | C        | Chainbase                                       | bnb      | evm          | token  | —   | 0xc32cc70741c3A8433dCb<br>cB<br>5adE071c299855FfC8                                  | Yes   |
| 119 | CMC600 | 1975     | LINK     | Chainlink                                       | ethereum | evm          | token  | —   | 0x514910771af9ca656af8<br>40<br>dff83e8264ecf986ca                                  | Yes   |
| 120 | CMC600 | 38489    | COAI     | ChainOpera AI                                   | bnb      | evm          | token  | —   | 0x0A8D6C86e1bcE73fE400<br>bD<br>531e1a567306836EA5                                  | Yes   |
| 121 | CMC600 | 3893     | NOW      | ChangeNOW Token                                 | ethereum | evm          | token  | —   | 0xe9a95d175a5f4c9369f3<br>b7<br>4222402eb1b837693b                                  | Yes   |
| 122 | CMC600 | 33280    | CHEEMS   | Cheems (cheems.pet)                             | bnb      | evm          | token  | —   | 0x8df0587216a4a1bb7d50<br>82<br>fdc491d93d2dd4b413                                  | Yes   |
| 123 | CMC600 | 4066     | CHZ      | Chiliz                                          | ethereum | evm          | token  | —   | 0x3506424f91fd33084466<br>f4<br>02d5d97f05f8e3b4af                                  | Yes   |
| 124 | CMC600 | 40213    | CRCLB    | Circle Internet Group<br>Tokenized bStocks      | bnb      | evm          | token  | —   | 0x80f3d493ebce97e343c5<br>3d<br>29a137942416b4fffc0                                 | Yes   |
| 125 | CMC600 | 38056    | CRCLon   | Circle Internet Group<br>Tokenized Stock (Ondo) | ethereum | evm          | token  | —   | 0x3632DEa96A953C11dac2<br>f0<br>0b4A05a32CD1063FAE                                  | Yes   |
| 126 | CMC600 | 37005    | CRCLX    | Circle tokenized stock<br>(xStock)              | solana   | solana       | token  | —   | Xsue68BtpquVJX9LVLEGu<br>V1<br>XUungeE6wmK5YZ3p3bd1                                 | Yes   |
| 127 | CMC600 | 38545    | COINDEPO | COINDEPO                                        | ethereum | evm          | token  | —   | 0xb40725714Fe8C547C5b0<br>C1<br>472CBa3554eFa81718                                  | Yes   |
| 128 | CMC600 | 39170    | COLLECT  | Collect on Fanable                              | bnb      | evm          | token  | —   | 0x4B3D30992f003c816769<br>97<br>35F5Ab2831B2A087D3                                  | Yes   |
| 129 | CMC600 | 38283    | CARDS    | Collector Crypt                                 | solana   | solana       | token  | —   | CARDScumFKoPRZxt5vt3k<br>sU<br>bxEFEcnZ3H2pd3dKxyjp                                 | Yes   |
| 130 | CMC600 | 33881    | BAN      | Comedian                                        | solana   | solana       | token  | —   | 9PR7nCP9DpcUotnDPVLUBU<br>2K<br>u5WAYkwrCUX9wDnSpump                                | Yes   |
| 131 | CMC600 | 5692     | COMP     | Compound                                        | ethereum | evm          | token  | —   | 0xc00e94cb662c3520282e<br>6f<br>5717214004a7f26888                                  | Yes   |
| 132 | CMC600 | 18031    | CCD      | Concordium                                      | unmapped | catalog-only | native | —   | Native asset; adapter<br>not mapped                                                 | No    |
| 133 | CMC600 | 7334     | CFX      | Conflux                                         | unmapped | catalog-only | native | —   | Native asset; adapter<br>not mapped                                                 | No    |
| 134 | CMC600 | 14806    | PEOPLE   | ConstitutionDAO                                 | ethereum | evm          | token  | —   | 0x7a58c0be72be218b41c6<br>08<br>b7fe7c5bb630736c71                                  | Yes   |
| 135 | CMC600 | 9903     | CVX      | Convex Finance                                  | ethereum | evm          | token  | —   | 0x4e3fbd56cd56c3e72c14<br>03<br>e103b45db9da5b9d2b                                  | Yes   |
| 136 | CMC600 | 23254    | CORE     | Core                                            | core     | evm          | native | —   | Native asset – no<br>contract                                                       | Yes   |
| 137 | CMC600 | 3794     | ATOM     | Cosmos                                          | ethereum | evm          | token  | —   | 0x80983cb9388EaC77af04<br>74<br>fA441C4815500Cb78B                                  | Yes   |
| 138 | CMC600 | 3992     | COTI     | COTI                                            | ethereum | evm          | token  | —   | 0xD0B3422497E61e13543B<br>eA<br>06989C0789117555c5                                  | Yes   |
| 139 | CMC600 | 19269    | COW      | CoW Protocol                                    | ethereum | evm          | token  | —   | 0xDeF1CA1fb7FBCDc77752<br>0a<br>a7f396b4E015F497aB                                  | Yes   |
| 140 | CMC600 | 5198     | CTC      | Creditcoin                                      | ethereum | evm          | token  | —   | 0xa3ee21c306a700e682ab<br>cd<br>fe9baa6a08f3820419                                  | Yes   |
| 141 | CMC600 | 3635     | CRO      | Cronos                                          | ethereum | evm          | token  | —   | 0xa0b73e1ff0b08914ab6f<br>e9<br>444e65848c4c34450b                                  | Yes   |
| 142 | CMC600 | 37166    | CROSS    | CROSS                                           | bnb      | evm          | token  | —   | 0x6bf62ca91e397B5A7d1D<br>6b<br>Ce97D9092065d7A510                                  | Yes   |

| #   | SRC    | ASSET ID | SYMBOL | NAME              | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                               | READY |
|-----|--------|----------|--------|-------------------|----------|--------------|--------|-----|--------------------------------------------------------------------------------|-------|
| 143 | CMC600 | 6538     | CRV    | Curve DAO Token   | ethereum | evm          | token  | —   | 0xD533a949740b3306d119C777fa900bA034cd52                                       | Yes   |
| 144 | CMC600 | 24781    | CYBER  | Cyber             | ethereum | evm          | token  | —   | 0x14778860e937f509e651192a90589de711fb88a9                                     | Yes   |
| 145 | CMC600 | 39071    | CYS    | Cysic             | bnb      | evm          | token  | —   | 0x0C69199C1562233640e0Db5Ce2c399A88eB507C7                                     | Yes   |
| 146 | CMC600 | 4943     | DAI    | Dai               | ethereum | evm          | token  | —   | 0x6b175474e89094c44da98b954eedeac495271d0f                                     | Yes   |
| 147 | CMC600 | 131      | DASH   | Dash              | unmapped | catalog-only | token  | —   | dash.omft.near                                                                 | No    |
| 148 | CMC600 | 35626    | DATA   | Data Network      | bnb      | evm          | token  | —   | 0xA37EDed373c5cdF88644d7C6b89f222e756aFB2                                      | Yes   |
| 149 | CMC600 | 5429     | DEP    | DEAPcoin          | ethereum | evm          | token  | —   | 0x1a3496c18d558bd9c6c8f609e1b129f67ab08163                                     | Yes   |
| 150 | CMC600 | 31528    | DBR    | deBridge          | solana   | solana       | token  | —   | DBR1dgJAMsM95moTzJs7M9LnKGErpbv9v6CUR1DXnuU5                                   | Yes   |
| 151 | CMC600 | 1966     | MANA   | Decentraland      | ethereum | evm          | token  | —   | 0x0f5d2fb29fb7d3cfee44200298f468908cc942                                       | Yes   |
| 152 | CMC600 | 12400    | DEL    | Decimal           | ethereum | evm          | token  | —   | 0xec6432B90e7fD4d9f872cc5C781f05B617DB861E                                     | Yes   |
| 153 | CMC600 | 1168     | DCR    | Decred            | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                               | No    |
| 154 | CMC600 | 33391    | DEEP   | DeepBook Protocol | unmapped | catalog-only | token  | —   | 0xdeeb7a4662ec9f2f3de f03fb937a663dddaa2e215b8078a284d026b7946c270::deep::DEEP | No    |
| 155 | CMC600 | 36133    | HOME   | Defi App          | bnb      | evm          | token  | —   | 0x4bfaa776991e85e5f8b1255461cbbd216cfc714f                                     | Yes   |
| 156 | CMC600 | 30096    | DEGEN  | Degen             | ethereum | evm          | token  | —   | 0xfce293840d23b0b2de8c55e1cf7a9f01c157767c                                     | Yes   |
| 157 | CMC600 | 35014    | DRV    | Derive            | ethereum | evm          | token  | —   | 0xB1D1eae60EEA9525032a6DCb4c1CE336a1dE71BE                                     | Yes   |
| 158 | CMC600 | 7326     | DEXE   | DeXe              | ethereum | evm          | token  | —   | 0xde4EE8057785A7e8e800Db58F9784845A5C2Cbdb6                                    | Yes   |
| 159 | CMC600 | 38186    | DIEM   | Diem              | base     | evm          | token  | —   | 0xf4d97f2da56e8c398f3a8d538db630a2606a024                                      | Yes   |
| 160 | CMC600 | 109      | DGB    | DigiByte          | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                               | No    |
| 161 | CMC600 | 30933    | DOG    | Dog (Bitcoin)     | solana   | solana       | token  | —   | dog1viwbb2VWDpER5FrJ4YFG6gq6XuyFohUe9TXN65u                                    | Yes   |
| 162 | CMC600 | 74       | DOGE   | Dogecoin          | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                               | No    |
| 163 | CMC600 | 9436     | ELON   | Dogelon Mars      | ethereum | evm          | token  | —   | 0x761d38e5ddf6ccf6cf7c55759d5210750b5d60f3                                     | Yes   |
| 164 | CMC600 | 28752    | WIF    | dogwifhat         | solana   | solana       | token  | —   | EKpQ6S3tjMFqK29KQanSqYXRcF8fBopzLHYxdM65zcjm                                   | Yes   |
| 165 | CMC600 | 20279    | DHN    | Dohmii            | ethereum | evm          | token  | —   | 0x32462ba310E447ef34FF0D158CE8613aa8C4A244                                     | Yes   |
| 166 | CMC600 | 38515    | 2Z     | DoubleZero        | solana   | solana       | token  | —   | J6pQ03FACJQeWPPGppwRb4nM8JU3wLyYbRrLh7femFvd                                   | Yes   |
| 167 | CMC600 | 4092     | DUSK   | Dusk              | ethereum | evm          | token  | —   | 0x940a2db1b7008b6c776d4faaca729d6d4a4aa551                                     | Yes   |
| 168 | CMC600 | 28324    | DYDX   | dYdX              | unmapped | catalog-only | token  | —   | ibc/831F0B18BB1D08A2875311892876D71565478C532967545476DF4C2D7492E48C           | No    |
| 169 | CMC600 | 10791    | XEC    | eCash             | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                               | No    |
| 170 | CMC600 | 19075    | OMI    | ECOMI             | ethereum | evm          | token  | —   | 0xeD35af169aF46a02eE13b9d79Eb57d6d68C1749e                                     | Yes   |
| 171 | CMC600 | 39720    | EDGE   | edgeX             | ethereum | evm          | token  | —   | 0xB0076DE78Dc50581770B8a1D211dDc0aD4F2a241                                     | Yes   |

| #   | SRC    | ASSET ID | SYMBOL   | NAME                    | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE             | READY |
|-----|--------|----------|----------|-------------------------|----------|--------------|--------|-----|----------------------------------------------|-------|
| 172 | CMC600 | 30494    | EIGEN    | EigenCloud              | ethereum | evm          | token  | —   | 0xec53bf9167f50cDEB3Ae105f56099aaaB9061F83   | Yes   |
| 173 | CMC600 | 22933    | eUSD     | Electronic USD          | ethereum | evm          | token  | —   | 0xA0d69E286B938e21CBf7E51D71F6A4c8918f482F   | Yes   |
| 174 | CMC600 | 2130     | ENJ      | Enjin Coin              | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 175 | CMC600 | 10312    | ELG      | EscoinToken             | ethereum | evm          | token  | —   | 0xA2085073878152aC3090eA13D1e41bD69e60Dc99   | Yes   |
| 176 | CMC600 | 39548    | ESP      | Espresso                | ethereum | evm          | token  | —   | 0x031de51f3e8016514bd0963d0b2ab825a591db9a   | Yes   |
| 177 | CMC600 | 30171    | ENA      | Ethena                  | ethereum | evm          | token  | —   | 0x57e114b691Db790c35207b2e685D4A43181e6061   | Yes   |
| 178 | CMC600 | 29470    | USDe     | Ethena USDe             | ethereum | evm          | token  | —   | 0x4c9edd5852cd905f086c759e8383e09bff1e68b3   | Yes   |
| 179 | CMC600 | 29814    | ETHFI    | ether.fi                | ethereum | evm          | token  | —   | 0xF0ec300658384F05761f15d0CC899D4F9F9Cc0eB   | Yes   |
| 180 | CMC600 | 1027     | ETH      | Ethereum                | ethereum | evm          | native | —   | Native asset – no contract                   | Yes   |
| 181 | CMC600 | 1321     | ETC      | Ethereum Classic        | bnb      | evm          | token  | —   | 0x3d6545b08693dae087e957cb1180ee38b9e3c25e   | Yes   |
| 182 | CMC600 | 13855    | ENS      | Ethereum Name Service   | ethereum | evm          | token  | —   | 0xC18300217D8F7Ab5e7c516566761Ea12Ce7F9D72   | Yes   |
| 183 | CMC600 | 21296    | ETHW     | EthereumPoW             | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 184 | CMC600 | 39379    | GWEI     | ETHGas                  | ethereum | evm          | token  | —   | 0x2798b1cc5A993085E8A9D46e80499F1B63f42204   | Yes   |
| 185 | CMC600 | 14280    | EUL      | Euler                   | ethereum | evm          | token  | —   | 0xd9fcd98c322942075a5c3860693e9f4f03aae07b   | Yes   |
| 186 | CMC600 | 32796    | EURCV    | EUR CoinVertible        | ethereum | evm          | token  | —   | 0x5F7827FDeb7c20b443265Fc2F40845B715385Ff2   | Yes   |
| 187 | CMC600 | 20641    | EURC     | EURC                    | ethereum | evm          | token  | —   | 0x1abaaea1f7c830bd89acc67ec4af516284b1bc33c  | Yes   |
| 188 | CMC600 | 32644    | EURI     | Eurite                  | ethereum | evm          | token  | —   | 0x9d1a7a3191102e9f900faa10540837ba84dcbae7   | Yes   |
| 189 | CMC600 | 39394    | EV       | Everything              | ethereum | evm          | token  | —   | 0xE7E7E741C23a4767831A56A8C99F522c5aC1E7E7   | Yes   |
| 190 | CMC600 | 39595    | ROBO     | Fabric Protocol         | ethereum | evm          | token  | —   | 0x32b4d049fE4c888D2b92eEcaf729F44DF6B1F36E   | Yes   |
| 191 | CMC600 | 38482    | FF       | Falcon Finance          | ethereum | evm          | token  | —   | 0xf1c09fc8b491b6a4d3ff53a10cad29381b3f949    | Yes   |
| 192 | CMC600 | 35721    | USDf     | Falcon USD              | ethereum | evm          | token  | —   | 0xFa2B947eEc368f42195f24F36d2aF29f7c24CeC2   | Yes   |
| 193 | CMC600 | 33597    | FARTCOIN | Fartcoin                | solana   | solana       | token  | —   | 98B6NFECjBCtnNLfko2FqVQ8q8HWM13kCyYcdQbgpump | Yes   |
| 194 | CMC600 | 39549    | FIDD     | Fidelity Digital Dollar | ethereum | evm          | token  | —   | 0x7C135549504245B5eAe64fc0E99Fa5ebabb8e35D   | Yes   |
| 195 | CMC600 | 2280     | FIL      | Filecoin                | bnb      | evm          | token  | —   | 0x0d8ce2a99bb6e3b7db580e0d48240e4a0f9ae153   | Yes   |
| 196 | CMC600 | 26081    | FDUSD    | First Digital USD       | ethereum | evm          | token  | —   | 0xc5f0ff7b66764F6ec8C8Dff7BA683102295E16409  | Yes   |
| 197 | CMC600 | 7950     | FLR      | Flare                   | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 198 | CMC600 | 10804    | FLOKI    | FLOKI                   | ethereum | evm          | token  | —   | 0xcfc0c122c6b73ff809c693db761e7baebe62b6a2e  | Yes   |
| 199 | CMC600 | 4558     | FLOW     | Flow                    | ethereum | evm          | token  | —   | 0x5c147e74D6381D31AA3Fd78Eb22986516198382b   | Yes   |
| 200 | CMC600 | 10508    | FLUID    | Fluid                   | ethereum | evm          | token  | —   | 0x6f40d4A6237C257fff2dB09FA0510deEcd303eb    | Yes   |
| 201 | CMC600 | 38356    | FOGO     | Fogo                    | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |

| #   | SRC    | ASSET ID | SYMBOL   | NAME                 | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE            | READY |
|-----|--------|----------|----------|----------------------|----------|--------------|--------|-----|---------------------------------------------|-------|
| 202 | CMC600 | 38864    | FOLKS    | Folks Finance        | ethereum | evm          | token  | —   | 0xFF7F8F301F7A706E3CFD3D2275f5dc0b9EE80098  | Yes   |
| 203 | CMC600 | 23635    | FORM     | Four                 | bnb      | evm          | token  | —   | 0x5b73A93b4E5e4f1FD27D8b3F8C97D69908b5E284  | Yes   |
| 204 | CMC600 | 32941    | FB       | Fractal Bitcoin      | unmapped | catalog-only | native | —   | Native asset; adapter not mapped            | No    |
| 205 | CMC600 | 31379    | ZCHF     | Frankencoin          | ethereum | evm          | token  | —   | 0xB58E61C3098d85632Df34EecfB899A1Ed00921c8  | Yes   |
| 206 | CMC600 | 6953     | FRAX     | Frax (prev. FXS)     | ethereum | evm          | token  | —   | 0x3432b6a60d23ca0dfca7761b7ab56459d9c964d0  | Yes   |
| 207 | CMC600 | 36039    | FRXUSD   | Frax USD             | ethereum | evm          | token  | —   | 0xCACd6fd266aF91b8AeD52aCCc382b4e165586E29  | Yes   |
| 208 | CMC600 | 4195     | FTT      | FTX Token            | ethereum | evm          | token  | —   | 0x50d1c9771902476076ecfc8b2a83ad6b9355a4c9  | Yes   |
| 209 | CMC600 | 1757     | FUN      | FUNToken             | ethereum | evm          | token  | —   | 0x419d0d8bdd9af5e06ae2232ed285aff190e711b   | Yes   |
| 210 | CMC600 | 7080     | GALA     | Gala                 | ethereum | evm          | token  | —   | 0xd1d2Eb1B1e90B63858728b4139137D262C87cae   | Yes   |
| 211 | CMC600 | 1785     | GAS      | Gas                  | unmapped | catalog-only | token  | —   | 0xdE41591ED1f8ED1484c2CD8ca0876428de60Efc   | No    |
| 212 | CMC600 | 4269     | GT       | GateToken            | ethereum | evm          | token  | —   | 0xe66747a101bfff2dba3697199dce5b743b454759  | Yes   |
| 213 | CMC600 | 3306     | GUSD     | Gemini Dollar        | ethereum | evm          | token  | —   | 0x056Fd409E1d7A124BD7017459dFEa2F387b6d5Cd  | Yes   |
| 214 | CMC600 | 39841    | GENIUS   | Genius Terminal      | bnb      | evm          | token  | —   | 0x1F12B85aAC097E43Aa1555b2881E98a51090e9A6  | Yes   |
| 215 | CMC600 | 39883    | AI       | Gensyn               | ethereum | evm          | token  | —   | 0x4d7078DDd6cCFED2F85dB7D3F16828d378d48     | Yes   |
| 216 | CMC600 | 20969    | GEOD     | GEODNET              | solana   | solana       | token  | —   | 7JA5eZdCzztSFQbJvS8aVVxMFd81Rs9VvvnocV1mkHu | Yes   |
| 217 | CMC600 | 23508    | GHO      | GHO                  | ethereum | evm          | token  | —   | 0x40016FC0246a03160Ccc09B800b3A2cD28aE6C2f  | Yes   |
| 218 | CMC600 | 38470    | GIGGLE   | Giggle Fund          | bnb      | evm          | token  | —   | 0x20d6015660b3fe52e6698a889b5C51F69902cE0e  | Yes   |
| 219 | CMC600 | 37615    | GLIDR    | Glidr                | bnb      | evm          | token  | —   | 0xc2b1ddb75046c4915c641cc0dc0d0f160ef82be5  | Yes   |
| 220 | CMC600 | 33793    | USDG     | Global Dollar        | ethereum | evm          | token  | —   | 0xe343167631d89B6Ffc58B88d6b7fb0228795491D  | Yes   |
| 221 | CMC600 | 11857    | GMX      | GMX                  | solana   | solana       | token  | —   | 9wX6Qz1Y5YQe71dfnVFfZYXZhKqjYKQwdqfrRkmYUSX | Yes   |
| 222 | CMC600 | 1659     | GNO      | Gnosis               | ethereum | evm          | token  | —   | 0x6810e776880c02933d47db1b9fc05908e5386b96  | Yes   |
| 223 | CMC600 | 35701    | GOHOME   | GOHOME               | solana   | solana       | token  | —   | 2Wu1g2ft7qZHfTpFzP3wLdFPeV1is4EwQ3CXBFYAcId | Yes   |
| 224 | CMC600 | 1455     | GLM      | Golem                | unmapped | catalog-only | native | —   | Native asset; adapter not mapped            | No    |
| 225 | CMC600 | 35268    | GPS      | GoPlus Security      | bnb      | evm          | token  | —   | 0x9a4a67721573f2c9209dff972c52be4e3f6642e   | Yes   |
| 226 | CMC600 | 10180    | GOMINING | GoMining             | ethereum | evm          | token  | —   | 0x7Ddc52c4De30e94Be3A6A0A2b259b2850f421989  | Yes   |
| 227 | CMC600 | 11419    | GRAM     | Gram (prev. Toncoin) | ethereum | evm          | token  | —   | 0x582d872a1b094fc48f85de31d3b73f2d9be47def1 | Yes   |
| 228 | CMC600 | 32956    | GRASS    | Grass                | solana   | solana       | token  | —   | Grass7B4RdkfBCjTKgSqXkqJw1GvQyFbuSCUJr3XXjs | Yes   |
| 229 | CMC600 | 32120    | G        | Gravity              | ethereum | evm          | token  | —   | 0x9C7BEBa0F6eF6643aBd725e45a4E0387eF260649  | Yes   |
| 230 | CMC600 | 40814    | GRVT     | Grt                  | ethereum | evm          | token  | —   | 0xAD29F2723FcdBCf665F210F25E06f97477e417cF  | Yes   |
| 231 | CMC600 | 38330    | GUSD     | GUSD                 | ethereum | evm          | token  | —   | 0xaf6186b3521b60e27396b5d23b48abc34bf585c5  | Yes   |

| #   | SRC    | ASSET ID | SYMBOL | NAME                                         | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE              | READY |
|-----|--------|----------|--------|----------------------------------------------|----------|--------------|--------|-----|-----------------------------------------------|-------|
| 232 | CMC600 | 33849    | HSK    | HashKey Platform Token                       | ethereum | evm          | token  | —   | 0xE7C6BF469E97E80bFB74C8dbFF58D47D4C1C98a     | Yes   |
| 233 | CMC600 | 4642     | HBAR   | Hedera                                       | unmapped | catalog-only | native | —   | Native asset; adapter not mapped              | No    |
| 234 | CMC600 | 5665     | HNT    | Helium                                       | solana   | solana       | token  | —   | hntyVP6YFm1Hg25TN9WGLqM12b8TQmcKnKrdUloxWux   | Yes   |
| 235 | CMC600 | 38034    | HIMSon | Hims & Hers Health Tokenized Stock (Ondo)    | ethereum | evm          | token  | —   | 0xCa468554e5C0423Ee858fe3942c9568C51FcAa79    | Yes   |
| 236 | CMC600 | 5370     | HIVE   | Hive                                         | unmapped | catalog-only | native | —   | Native asset; adapter not mapped              | No    |
| 237 | CMC600 | 2682     | HOT    | Holo                                         | ethereum | evm          | token  | —   | 0x6c6ee5e31d828de241282b9606c8e98ea48526e2    | Yes   |
| 238 | CMC600 | 38309    | HOLO   | Holoworld AI                                 | bnb      | evm          | token  | —   | 0x1a5D7E4c3A7F940B240b7357a4bFED30D17F9497    | Yes   |
| 239 | CMC600 | 1698     | ZEN    | Horizen                                      | base     | evm          | token  | —   | 0xf43eb8de897fbc7f2502483b2bef7bb9ea179229    | Yes   |
| 240 | CMC600 | 29750    | HOTKEY | HotKeySwap                                   | ethereum | evm          | token  | —   | 0x018DD3A0Dd7F213cc822076b3800816d3CE1ED86    | Yes   |
| 241 | CMC600 | 29160    | HTX    | HTX                                          | ethereum | evm          | token  | —   | 0x61ec85ab89377db65762e234c946b5c25a56e99e    | Yes   |
| 242 | CMC600 | 36576    | HUMA   | Huma Finance                                 | bnb      | evm          | token  | —   | 0x92516e0DDf1d0BF7FAB1b79CaC26689fDC5ba8e6    | Yes   |
| 243 | CMC600 | 36922    | H      | Humanity                                     | ethereum | evm          | token  | —   | 0xE76c5b78f93909d34404E9eb4C1f19e7582a5dE1    | Yes   |
| 244 | CMC600 | 36281    | HYPER  | Hyperlane                                    | ethereum | evm          | token  | —   | 0x93A20b22B7c736B341C32Ff666307F4a9ED910F5    | Yes   |
| 245 | CMC600 | 32196    | HYPE   | Hyperliquid                                  | unmapped | catalog-only | token  | —   | 0x0d01dc56dcaaca66ad901c959b4011ec            | No    |
| 246 | CMC600 | 2099     | ICX    | ICON                                         | unmapped | catalog-only | native | —   | Native asset; adapter not mapped              | No    |
| 247 | CMC600 | 1637     | RLC    | iExec RLC                                    | ethereum | evm          | token  | —   | 0x607f4c5bb672230e8672085532f7e901544a7375    | Yes   |
| 248 | CMC600 | 8719     | ILV    | Illuvium                                     | ethereum | evm          | token  | —   | 0x767fe9edc9e0df98e07454847909b5e959d7ca0e    | Yes   |
| 249 | CMC600 | 10603    | IMX    | Immutable                                    | ethereum | evm          | token  | —   | 0xf57e7e7c23978c3cae3c3548e3d615c346e79ff     | Yes   |
| 250 | CMC600 | 37070    | ICNT   | Impossible Cloud Network                     | ethereum | evm          | token  | —   | 0xe5e0b73380181273abCfD88695F52C4D0C825661    | Yes   |
| 251 | CMC600 | 36770    | AIN    | Infinity Ground                              | bnb      | evm          | token  | —   | 0x9558a9254890B2A8B057a789F413631B9084f4a3    | Yes   |
| 252 | CMC600 | 7226     | INJ    | Injective                                    | ethereum | evm          | token  | —   | 0xe28b3b3b2b6c345a34ff64674606124dd5aceca30   | Yes   |
| 253 | CMC600 | 8916     | ICP    | Internet Computer                            | ethereum | evm          | token  | —   | 0x00f3C42833C3170159af4E92dbb451Fb3F708917    | Yes   |
| 254 | CMC600 | 38094    | QQQon  | Invesco QQQ Tokenized ETF (Ondo)             | ethereum | evm          | token  | —   | 0x0e397938C1Aa0680954093495B70A9F5e2249aBa    | Yes   |
| 255 | CMC600 | 40593    | QQQB   | Invesco QQQ Trust Tokenized bStocks          | bnb      | evm          | token  | —   | 0x205012cdbe920aff76c6580abd681a46d11efc7     | Yes   |
| 256 | CMC600 | 29835    | IO     | io.net                                       | solana   | solana       | token  | —   | BZLbGTNCsfFoth2GYDtwr7e41mWzpr5JjqcUuGEwr646K | Yes   |
| 257 | CMC600 | 1720     | IOTA   | IOTA                                         | unmapped | catalog-only | native | —   | Native asset; adapter not mapped              | No    |
| 258 | CMC600 | 36904    | SN9    | iota                                         | unmapped | catalog-only | token  | —   | 9                                             | No    |
| 259 | CMC600 | 2777     | IOTX   | IoTeX                                        | ethereum | evm          | token  | —   | 0x6fb3e0a217407eff7ca062d46c26e5d60a14d69     | Yes   |
| 260 | CMC600 | 38978    | IRYS   | Irys                                         | ethereum | evm          | token  | —   | 0x50f41F509aFACa2F41FDF590FE7b90cD26Dee64     | Yes   |
| 261 | CMC600 | 39769    | IBITon | iShares Bitcoin Trust Tokenized Stock (Ondo) | ethereum | evm          | token  | —   | 0x122940c4C5F9cCFae7Fa86455a42D3EC140855cE    | Yes   |
| 262 | CMC600 | 38051    | IVVon  | iShares Core S&P 500 Tokenized ETF (Ondo)    | ethereum | evm          | token  | —   | 0x62cA254a363dc3c748e7E955c20447aB5bF06fF7    | Yes   |

| #   | SRC    | ASSET ID | SYMBOL     | NAME                                      | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE             | READY |
|-----|--------|----------|------------|-------------------------------------------|----------|--------------|--------|-----|----------------------------------------------|-------|
| 263 | CMC600 | 38057    | SLVOn      | iShares Silver Trust Tokenized ETF (Ondo) | ethereum | evm          | token  | —   | 0x3e4872e6a4cf365888d93b6146a2baa7348f1a4    | Yes   |
| 264 | CMC600 | 5468     | ISIKC      | Isiklar Coin                              | ethereum | evm          | token  | —   | 0x4339befb55cf6a65344ef6f4bb7f05fae3458670a  | Yes   |
| 265 | CMC600 | 38909    | JCT        | Janction                                  | ethereum | evm          | token  | —   | 0xC47786dfd26EC2460b3b92de18837Fd476Ea7549   | Yes   |
| 266 | CMC600 | 8425     | JASMY      | JasmyCoin                                 | ethereum | evm          | token  | —   | 0x7420B4b9a0110cdC71fB720908340C03F9Bc03EC   | Yes   |
| 267 | CMC600 | 35537    | JELLYJELLY | Jelly-My-Jelly                            | solana   | solana       | token  | —   | FeR8VBqNRSUD5NtXAJ2n3j1dAHkZHyDktKuLXD4pump  | Yes   |
| 268 | CMC600 | 28541    | JTO        | Jito                                      | solana   | solana       | token  | —   | jtojtomepa8beP8AuQc6eXt5Fr1JwFmWqX2v2f9mCL   | Yes   |
| 269 | CMC600 | 25194    | JSM        | Joseon Mun                                | ethereum | evm          | token  | —   | 0x04C618CdbC1D59142dFE84B9864835A06983EC2d   | Yes   |
| 270 | CMC600 | 29210    | JUP        | Jupiter                                   | solana   | solana       | token  | —   | JUPy1wrYJfSkUP1Ha7hkeR8VUTAEFoSYbKedZnsDvCN  | Yes   |
| 271 | CMC600 | 28853    | JLP        | Jupiter Perps LP                          | solana   | solana       | token  | —   | 27G8Mtk7VtTcChkpASjSddkWwYfoqTeggEuK1dVj1dD4 | Yes   |
| 272 | CMC600 | 5488     | JST        | JUST                                      | unmapped | catalog-only | token  | —   | TCFLL5dx5ZJdKnWuesxx11vPwjLVmWZZy9           | No    |
| 273 | CMC600 | 32880    | KAIA       | Kaia                                      | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 274 | CMC600 | 35763    | KAITO      | KAITO                                     | base     | evm          | token  | —   | 0x98d0baa52b2D063E780DE12F615f963Fe8537553   | Yes   |
| 275 | CMC600 | 30986    | KMNO       | Kamino                                    | solana   | solana       | token  | —   | KMNO3nJsBXfcpJTVhZcXLW7RmTwTt4GVFE7suUBo9sS  | Yes   |
| 276 | CMC600 | 20396    | KAS        | Kaspa                                     | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 277 | CMC600 | 4846     | KAVA       | Kava                                      | ethereum | evm          | token  | —   | 0x0C356B7fD36a5357E5A017EF11887ba100C9AB76   | Yes   |
| 278 | CMC600 | 36066    | KTA        | Keeta                                     | base     | evm          | token  | —   | 0xc0634090F2Fe6c6d75e61B e2b949464aBB498973  | Yes   |
| 279 | CMC600 | 38554    | KGEN       | KGeN                                      | bnb      | evm          | token  | —   | 0xf3d5b4c34ed623478cc5141861776e6cf7ae3a1e   | Yes   |
| 280 | CMC600 | 39070    | KNTQ       | Kinetiq                                   | unmapped | catalog-only | token  | —   | 0x0000000000000780555bd0B CA3791f89f9542c2d6 | No    |
| 281 | CMC600 | 38828    | KITE       | Kite                                      | ethereum | evm          | token  | —   | 0x904567252D8F48555b7447c67dCA23F0372E16be   | Yes   |
| 282 | CMC600 | 16093    | KUB        | KUB Coin                                  | ethereum | evm          | token  | —   | 0x0649Cef6D11ed6f88535462E147304d3FE5ae14d   | Yes   |
| 283 | CMC600 | 2087     | KCS        | KuCoin Token                              | ethereum | evm          | token  | —   | 0xf34960d9d60be18cc1d5af c1a6f012a723a28811  | Yes   |
| 284 | CMC600 | 5034     | KSM        | Kusama                                    | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 285 | CMC600 | 9444     | KNC        | Kyber Network Crystal v2                  | ethereum | evm          | token  | —   | 0xdeFA4e8a7bcBA345F687a2f1456f5EdD9CE97202   | Yes   |
| 286 | CMC600 | 33223    | LAB        | LAB                                       | bnb      | evm          | token  | —   | 0x7ec43cf65F1663F820427C62A5780b8f2E25593A   | Yes   |
| 287 | CMC600 | 20964    | LBT        | Law Blocks (AI)                           | unmapped | catalog-only | token  | —   | 0x05940b2df33d6371201e7a e099ced4c363855dfe  | No    |
| 288 | CMC600 | 26997    | ZRO        | LayerZero                                 | ethereum | evm          | token  | —   | 0x0985884C4392D348587B19cb9eAAf157F13271cd   | Yes   |
| 289 | CMC600 | 6952     | FRAX       | Legacy Frax Dollar                        | ethereum | evm          | token  | —   | 0x853d955acef822db058eb8505911ed77f7175b99e  | Yes   |
| 290 | CMC600 | 8000     | LDO        | Lido DAO                                  | ethereum | evm          | token  | —   | 0x5a98fcbca516cf06857215779fd812ca3bef1b32   | Yes   |
| 291 | CMC600 | 37986    | LIGHT      | Light                                     | solana   | solana       | token  | —   | LiGHTkg3uTa9836RanKLLr1qTNRcMDRAhjqGWNv777   | Yes   |
| 292 | CMC600 | 39125    | LIT        | Lighter                                   | ethereum | evm          | token  | —   | 0x232ce3bd40fcd6f80fd3d55a522d03f25df784ee2  | Yes   |

| #   | SRC    | ASSET ID | SYMBOL   | NAME             | NETWORK  | PROCESSOR    | TYPE  | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                                 | READY |
|-----|--------|----------|----------|------------------|----------|--------------|-------|-----|----------------------------------------------------------------------------------|-------|
| 293 | CMC600 | 27657    | LINEA    | Linea            | linea    | evm          | token | —   | 0x1789e0043623282d5dccc7f213d703cd8bafbb04                                       | Yes   |
| 294 | CMC600 | 38407    | BOLD     | Liquity BOLD     | ethereum | evm          | token | —   | 0x6440f144b7e50d6a8439336510312d2f54beb01d                                       | Yes   |
| 295 | CMC600 | 9566     | LUSD     | Liquity USD      | ethereum | evm          | token | —   | 0x5f98005A4E8be255a32888FDeC7F6728C6568bA0                                       | Yes   |
| 296 | CMC600 | 21533    | LISTA    | Lista DAO        | bnb      | evm          | token | —   | 0xFceB31A79F71AC9CBDCF853519c1b12D379EdC46                                       | Yes   |
| 297 | CMC600 | 21330    | lisUSD   | lisUSD           | bnb      | evm          | token | —   | 0x0782b6d8c455189760e74c0545a9bCD90bdc41E5                                       | Yes   |
| 298 | CMC600 | 2        | LTC      | Litecoin         | bnb      | evm          | token | —   | 0x4338665cbb7b2485a8855a139b75d5e34ab0db94                                       | Yes   |
| 299 | CMC600 | 36902    | SN51     | lium             | unmapped | catalog-only | token | —   | 51                                                                               | No    |
| 300 | CMC600 | 3640     | LPT      | Livepeer         | ethereum | evm          | token | —   | 0x58b6a8a3302369daec383334672404ee733ab239                                       | Yes   |
| 301 | CMC600 | 35954    | LION     | Loaded Lions     | solana   | solana       | token | —   | 7kn5FQMD8ja4bzysEgc5FXmrYKd6gCgj1wnhksjHCFb3                                     | Yes   |
| 302 | CMC600 | 3855     | LOCUS    | Locus Chain      | ethereum | evm          | token | —   | 0xc6450dd7b0f1794807e67802f8abbf5f8fffb054                                       | Yes   |
| 303 | CMC600 | 38408    | BARD     | Lombard          | ethereum | evm          | token | —   | 0xf00B65D17e30a966C2ae6A21f68BA71cea6e9754                                       | Yes   |
| 304 | CMC600 | 36296    | BANK     | Lorenzo Protocol | bnb      | evm          | token | —   | 0x3AeE7602b612de36088F3ffEd8c8f10E86EbF2bF                                       | Yes   |
| 305 | CMC600 | 36552    | LUSD     | LUSD             | bnb      | evm          | token | —   | 0x5bb4d589467c25A5Ac8db930372dc5dA30C3410E                                       | Yes   |
| 306 | CMC600 | 32197    | ME       | Magic Eden       | solana   | solana       | token | —   | MEFNBX1xkEbait3xn9bkm8WsJzXtVsaJEn4c8Sam21u                                      | Yes   |
| 307 | CMC600 | 39121    | MAGMA    | Magma Finance    | unmapped | catalog-only | token | —   | 0x9f854b3ad20f8161ec0886f15f4a1752bf75d22261556f14cc8d3a1c5d50e529::magmaa:MAGMA | No    |
| 308 | CMC600 | 11171    | MNGO     | Mango            | solana   | solana       | token | —   | MangoCzJ36AjZyKwVj3VnYU46TonjfvEnJmvvWaxLac                                      | Yes   |
| 309 | CMC600 | 13631    | MANTA    | Manta Network    | manta    | evm          | token | —   | 0x95CeF13441Be50d20cA4558CC0a27B01aC544E5                                        | Yes   |
| 310 | CMC600 | 27075    | MNT      | Mantle           | ethereum | evm          | token | —   | 0x3c3a81e81dc49a522a592e7622a7e711c06bf354                                       | Yes   |
| 311 | CMC600 | 39611    | MANTRA   | MANTRA           | unmapped | catalog-only | token | —   | aMANTRA                                                                          | No    |
| 312 | CMC600 | 33824    | SYRUP    | Maple Finance    | ethereum | evm          | token | —   | 0x643C4E15d7d62Ad0aBeC4a9BD4b001aA3Ef52d66                                       | Yes   |
| 313 | CMC600 | 40944    | MARSCOIN | MarsCoin         | bnb      | evm          | token | —   | 0xFe189E97832DA1573e4e4Ff034F4FFC3a15c7777                                       | Yes   |
| 314 | CMC600 | 8536     | MASK     | Mask Network     | ethereum | evm          | token | —   | 0x69af81e73a73b40adf4f3d4223cd9b1ece623874                                       | Yes   |
| 315 | CMC600 | 34212    | XAUM     | Matrixdock Gold  | ethereum | evm          | token | —   | 0x2103E845C5E1354938b6c2A4f0B8651956eA8682                                       | Yes   |
| 316 | CMC600 | 38770    | MEGA     | MegaETH          | solana   | solana       | token | —   | megaA5QDK1qLXtjpv990CFMvXT9d5BCMrVTBddnM5kV                                      | Yes   |
| 317 | CMC600 | 28301    | MEME     | Memecoin         | ethereum | evm          | token | —   | 0xb131f4a55907b10d1f0a50d8ab8fa09ec342cd74                                       | Yes   |
| 318 | CMC600 | 35491    | M        | MemeCore         | bnb      | evm          | token | —   | 0x22b1458e780f8a71e2f84502cee0b5a3cc731fa                                        | Yes   |
| 319 | CMC600 | 30712    | MERL     | Merlin Chain     | ethereum | evm          | token | —   | 0xa0c56a8c0692bd10B3fA8f8Ba79cf5332B7107F9                                       | Yes   |
| 320 | CMC600 | 38353    | MET      | Meteora          | solana   | solana       | token | —   | METvsVRapdj9cFLzq4Tr43xK4tAjQfwX76z3n6mMQL                                       | Yes   |
| 321 | CMC600 | 35269    | MY       | MetYa            | bnb      | evm          | token | —   | 0xf0ebb572643336834d516c485ad31d3299999999                                       | Yes   |

| #   | SRC    | ASSET ID | SYMBOL  | NAME                                     | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                                 | READY |
|-----|--------|----------|---------|------------------------------------------|----------|--------------|--------|-----|----------------------------------------------------------------------------------|-------|
| 322 | CMC600 | 40212    | MUB     | Micron Technology Tokenized bStocks      | bnb      | evm          | token  | —   | 0xcdcf2f3e0fa43c47a662a91c9e4a7c5f69762699                                       | Yes   |
| 323 | CMC600 | 38014    | MUon    | Micron Technology Tokenized Stock (Ondo) | ethereum | evm          | token  | —   | 0x050362Ab1072Cb2Ce74d74770E22A3203Ad04ee5                                       | Yes   |
| 324 | CMC600 | 40616    | rMU     | Micron Tokenized Stock (Reality)         | arbitrum | evm          | token  | —   | 0x548cc634a64301a346f174071a90efa93dae4eb3                                       | Yes   |
| 325 | CMC600 | 37003    | MSTRX   | MicroStrategy tokenized stock (xStock)   | solana   | solana       | token  | —   | XsP7xzNPvEHS1m6qfanPUGjNmdnmsLKEoNAnHjdxxyZ                                      | Yes   |
| 326 | CMC600 | 39064    | NIGHT   | Midnight                                 | bnb      | evm          | token  | —   | 0xfe930c2d63aed9b82fc4db c801920dd2c1a3224f                                      | Yes   |
| 327 | CMC600 | 8646     | MINA    | Mina                                     | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 328 | CMC600 | 36302    | NILA    | MindWaveDAO                              | bnb      | evm          | token  | —   | 0x00f8Da33734FeB9b946fEC2228C25072D2e2E41f                                       | Yes   |
| 329 | CMC600 | 31526    | MOCA    | Moca Network                             | ethereum | evm          | token  | —   | 0xf944e35f95e819e752f3cc b5faf40957d311e8c5                                      | Yes   |
| 330 | CMC600 | 27659    | MOG     | Mog Coin                                 | ethereum | evm          | token  | —   | 0xaaeE1A9723aaB7aF2810263653A34bA2C21C7a                                         | Yes   |
| 331 | CMC600 | 38231    | MMT     | Momentum                                 | unmapped | catalog-only | token  | —   | 0x35169bc93e1fddfcf3a82a9eae726d349689ed59e4b085369af0789fe59f8608::mmt:<br>:MMT | No    |
| 332 | CMC600 | 30495    | MON     | Monad                                    | solana   | solana       | token  | —   | CrAr4RRJMBVvRsZLT62pEhfa9HSutyMC2mVx8e7FreP2                                     | Yes   |
| 333 | CMC600 | 328      | XMR     | Monero                                   | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 334 | CMC600 | 33093    | MOODENG | Moo Deng (moodengsol.com)                | solana   | solana       | token  | —   | ED5nyyWEzpPP1W1mP8vym7sD7TD3LAT3Q3gRTWHZPJBY                                     | Yes   |
| 335 | CMC600 | 34104    | MORPHO  | Morpho                                   | ethereum | evm          | token  | —   | 0x58097B57BB95320F9a05dC918Aef65434969c2B2                                       | Yes   |
| 336 | CMC600 | 32452    | MOVE    | Movement                                 | ethereum | evm          | token  | —   | 0x3073f7aAA4DB83f95e9FFf17424F71D4751a3073                                       | Yes   |
| 337 | CMC600 | 36041    | MUBARAK | Mubarak                                  | bnb      | evm          | token  | —   | 0x5c85d6c6825ab4032337f11ee92a72df936b46f6                                       | Yes   |
| 338 | CMC600 | 36080    | MBG     | MultiBank Group                          | ethereum | evm          | token  | —   | 0x45e02bc2875A2914C4f585bBF92a6F28bc07CB70                                       | Yes   |
| 339 | CMC600 | 6892     | EGLD    | MultiversX                               | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 340 | CMC600 | 4041     | MX      | MX Token                                 | ethereum | evm          | token  | —   | 0x11eeF04c884e24d9b7b4760e7476d06ddf797f36                                       | Yes   |
| 341 | CMC600 | 36410    | MYX     | MYX Finance                              | bnb      | evm          | token  | —   | 0xD82544bf0dfe8385eF8FA34D67e6e4940CC63e16                                       | Yes   |
| 342 | CMC600 | 1567     | XNO     | Nano                                     | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 343 | CMC600 | 37057    | QQQX    | Nasdaq tokenized ETF (xStock)            | solana   | solana       | token  | —   | Xs8S1uUs1zvS2p71wtSG3b6Fkhpvmw24GYU3gWAmWHz                                      | Yes   |
| 344 | CMC600 | 6535     | NEAR    | NEAR Protocol                            | ethereum | evm          | token  | —   | 0x85f17cf997934a597031b2e18a9ab6ebd4b9f6a4                                       | Yes   |
| 345 | CMC600 | 32521    | NEIRO   | Neiro                                    | ethereum | evm          | token  | —   | 0x812ba41e071c7b77fa4ebcf b62df5f45f6fa853ee                                     | Yes   |
| 346 | CMC600 | 1376     | NEO     | Neo                                      | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 347 | CMC600 | 4948     | CKB     | Nervos Network                           | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                 | No    |
| 348 | CMC600 | 30140    | NES     | Nesa                                     | ethereum | evm          | token  | —   | 0x230f1E241C621d5aF670Da d83ebCdd18971E2995                                      | Yes   |
| 349 | CMC600 | 2694     | NEXO    | Nexo                                     | ethereum | evm          | token  | —   | 0xb62132e35a6c13ee1ee0f84dc5d40bad8d815206                                       | Yes   |
| 350 | CMC600 | 36044    | NXPC    | NEXPACE                                  | bnb      | evm          | token  | —   | 0xf2b51cc1850fed939658317a22d73d3482767591                                       | Yes   |
| 351 | CMC600 | 39965    | NEX     | Nexus                                    | ethereum | evm          | token  | —   | 0xf57D49646621F563b0B905aFc8336923AC569Ec5                                       | Yes   |



| #   | SRC    | ASSET ID | SYMBOL   | NAME                  | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE             | READY |
|-----|--------|----------|----------|-----------------------|----------|--------------|--------|-----|----------------------------------------------|-------|
| 381 | CMC600 | 5275     | PCI      | Paycoin               | ethereum | evm          | token  | —   | 0x3C2A399d9005433c18C2C92EF1bE06489e5bf258   | Yes   |
| 382 | CMC600 | 27772    | PYUSD    | PayPal USD            | ethereum | evm          | token  | —   | 0x6c3ea9036406852006290770bedfca0e23a0e8     | Yes   |
| 383 | CMC600 | 33788    | PNUT     | Peanut the Squirrel   | solana   | solana       | token  | —   | 2qEHjDLDLbuBgRYvsxhc5D6uDWAlvNFZGan56P1tpump | Yes   |
| 384 | CMC600 | 14588    | PEAQ     | peaq                  | ethereum | evm          | token  | —   | 0x1eef208926667594e5136e89d0e9dd6907959197   | Yes   |
| 385 | CMC600 | 9481     | PENDLE   | Pendle                | ethereum | evm          | token  | —   | 0x808507121b80c02388fa d14726482e061b8da827  | Yes   |
| 386 | CMC600 | 24478    | PEPE     | Pepe                  | ethereum | evm          | token  | —   | 0x6982508145454ce325ddbe47a25d4ec3d2311933   | Yes   |
| 387 | CMC600 | 39797    | PRL      | Perle                 | bnb      | evm          | token  | —   | 0xd20fb00A49a8e75Fef536A2dBc68222900287BAC   | Yes   |
| 388 | CMC600 | 39682    | PROS     | Pharos                | ethereum | evm          | token  | —   | 0xB197E02499e6502733C6bCE2eb39013C39A03147   | Yes   |
| 389 | CMC600 | 35697    | PI       | Pi                    | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 390 | CMC600 | 38849    | PIEVERSE | Pieverse              | ethereum | evm          | token  | —   | 0x0e63b9c287e32a05e6b9ab8ee8df88a2760225a9   | Yes   |
| 391 | CMC600 | 40939    | PIPEDOG  | Pipedog               | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 392 | CMC600 | 3951     | ARRR     | Pirate Chain          | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 393 | CMC600 | 36645    | XPL      | Plasma                | plasma   | evm          | native | —   | Native asset; adapter not mapped             | No    |
| 394 | CMC600 | 39689    | GCOIN    | Playnance             | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 395 | CMC600 | 37534    | PLAY     | PlaysOut              | base     | evm          | token  | —   | 0x853a7c99227499dba9db8c3a02aa691afdebfa41   | Yes   |
| 396 | CMC600 | 35364    | PLUME    | Plume                 | ethereum | evm          | token  | —   | 0x4C1746A800D224393fE2470C70A35717eD4eA5F1   | Yes   |
| 397 | CMC600 | 6636     | DOT      | Polkadot              | ethereum | evm          | token  | —   | 0x8d010bf9c26881788b4e6bf5fd1bdc358c8f90b8   | Yes   |
| 398 | CMC600 | 28321    | POL      | Polygon (prev. MATIC) | ethereum | evm          | token  | —   | 0x455e53cbb86018ac2b8092fddcd39d844affc3fc6  | Yes   |
| 399 | CMC600 | 20362    | POLYX    | Polymesh              | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 400 | CMC600 | 28782    | POPCAT   | Popcat (SOL)          | solana   | solana       | token  | —   | 76CihgDB8fe6KNjn2MYtkzZcRjQy3t9GhdC8uHYmW2hr | Yes   |
| 401 | CMC600 | 2132     | POWR     | Powerledger           | ethereum | evm          | token  | —   | 0x595832f8fc6bf59c85c527fec3740a1b7a361269   | Yes   |
| 402 | CMC600 | 4120     | PROM     | Prom                  | ethereum | evm          | token  | —   | 0xfcb2bb4ba86045af6f327323a46e00412b91b27d   | Yes   |
| 403 | CMC600 | 1974     | PRO      | Propy                 | ethereum | evm          | token  | —   | 0x226bb599a12c826476e3a771454697ea52e9e220   | Yes   |
| 404 | CMC600 | 34466    | PENGU    | Pudgy Penguins        | ethereum | evm          | token  | —   | 0x6418c0dd099a9fda397c766304cdd918233e8847   | Yes   |
| 405 | CMC600 | 36507    | PUMP     | Pump.fun              | solana   | solana       | token  | —   | pumpCmXqMfrsAKQ5r49wCJnR ayYRqmXz6ae8H7H9Dfn | Yes   |
| 406 | CMC600 | 37614    | PM       | PumpMeme              | bnb      | evm          | token  | —   | 0x652fcafea5a2da18e8947748b7849b72148b4543   | Yes   |
| 407 | CMC600 | 34332    | PURR     | Purr                  | unmapped | catalog-only | token  | —   | 0x9b498c3c8a0b8cd8ba1d9851d40d186f1872b44e   | No    |
| 408 | CMC600 | 28177    | PYTH     | Pyth Network          | solana   | solana       | token  | —   | HZ1JovNiVvGrGNi1vYEozEVgZ58xaU3RKwX8eACQBCt3 | Yes   |
| 409 | CMC600 | 5858     | QANX     | QANplatform           | ethereum | evm          | token  | —   | 0xAAA9214F675316182Eaa21C85f0Ca99160CC3AAA   | Yes   |
| 410 | CMC600 | 1684     | QTUM     | Qtum                  | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 411 | CMC600 | 38236    | Q        | Quack AI              | ethereum | evm          | token  | —   | 0xc07e1300dc138601FA6B0b59f800FA477e690589   | Yes   |

| #   | SRC    | ASSET ID | SYMBOL | NAME                                   | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE            | READY |
|-----|--------|----------|--------|----------------------------------------|----------|--------------|--------|-----|---------------------------------------------|-------|
| 412 | CMC600 | 3155     | QNT    | Quant                                  | ethereum | evm          | token  | —   | 0x4a220e6096b25eadb88358cb44068a3248254675  | Yes   |
| 413 | CMC600 | 30651    | QFI    | Quantix Finance                        | unmapped | catalog-only | token  | —   | TMVnKncD9NhAYEPoR6EutBRaK18x60ZdR6          | No    |
| 414 | CMC600 | 29169    | QUBIC  | Qubic                                  | unmapped | catalog-only | native | —   | Native asset; adapter not mapped            | No    |
| 415 | CMC600 | 10854    | RAIL   | Railgun                                | ethereum | evm          | token  | —   | 0xe76c6c83af64e4c60245d8c7de953df673a7a33d  | Yes   |
| 416 | CMC600 | 38341    | RAIN   | Rain                                   | arbitrum | evm          | token  | —   | 0x25118290e6A5f4139381D072181157035864099d  | Yes   |
| 417 | CMC600 | 38967    | RAVE   | RaveDAO                                | ethereum | evm          | token  | —   | 0x17205fab260a7a6383a81452cE6315A39370Db97  | Yes   |
| 418 | CMC600 | 2577     | RVN    | Ravencoin                              | unmapped | catalog-only | native | —   | Native asset; adapter not mapped            | No    |
| 419 | CMC600 | 8526     | RAY    | Raydium                                | bnb      | evm          | token  | —   | 0x13b6A55662f6591f8B8408Af1C73B017E32eEdB8  | Yes   |
| 420 | CMC600 | 40224    | RE     | Re                                     | ethereum | evm          | token  | —   | 0x526526528f35ac738177003b8773b402b8df8143  | Yes   |
| 421 | CMC600 | 39922    | ASSET  | REAL                                   | ethereum | evm          | token  | —   | 0x99E980265Bf36516C442be982df1772a6cCb3233  | Yes   |
| 422 | CMC600 | 14721    | REAL   | RealLink                               | bnb      | evm          | token  | —   | 0x65e7a112d81142EA919201b1232f7aA488Ed83c   | Yes   |
| 423 | CMC600 | 21707    | RED    | RedStone                               | ethereum | evm          | token  | —   | 0xc43c6bfeda065fe2c4c11765bf838789bd0bb5de  | Yes   |
| 424 | CMC600 | 34434    | REKT   | Rekt (rekt.com)                        | ethereum | evm          | token  | —   | 0xdd3B11eF34cd511a2D0A159034a05fcb94D806686 | Yes   |
| 425 | CMC600 | 5690     | RENDER | Render                                 | ethereum | evm          | token  | —   | 0x6de037ef9ad2725eb40118bb1702ebb27e4aeb24  | Yes   |
| 426 | CMC600 | 30843    | REZ    | Renzo                                  | ethereum | evm          | token  | —   | 0x3b50805453023a91a8bf641e279401a0b23fa6f9  | Yes   |
| 427 | CMC600 | 2071     | REQ    | Request                                | ethereum | evm          | token  | —   | 0x8f8221afb33998d8584a2b05749ba73c37a938a   | Yes   |
| 428 | CMC600 | 3964     | RSR    | Reserve Rights                         | ethereum | evm          | token  | —   | 0x320623b8e4ff03373931769a31fc52a4e78b5d70  | Yes   |
| 429 | CMC600 | 36743    | TIBBIR | Ribbita by Virtuals                    | base     | evm          | token  | —   | 0xa4a2e2ca3fbfe21aed83471d28b6f65a233c6e00  | Yes   |
| 430 | CMC600 | 34387    | RLUSD  | Ripple USD                             | ethereum | evm          | token  | —   | 0x8292bb45bf1ee4d140127849757c2e0ff06317ed  | Yes   |
| 431 | CMC600 | 38417    | RIVER  | River                                  | ethereum | evm          | token  | —   | 0xdA7AD9dea9397cfffDAE2F8a052B82f1484252B3  | Yes   |
| 432 | CMC600 | 2943     | RPL    | Rocket Pool                            | ethereum | evm          | token  | —   | 0xd33526068d116ce69f19a9ee46f0bd304f21a51f  | Yes   |
| 433 | CMC600 | 15271    | RLB    | Rollbit Coin                           | ethereum | evm          | token  | —   | 0x046eee2cc3188071c02bfc1745a6b17c656e3f3d  | Yes   |
| 434 | CMC600 | 39355    | ROLL   | RollX                                  | base     | evm          | token  | —   | 0xab6363da0c80cef3ae105bd6241e3087235d021   | Yes   |
| 435 | CMC600 | 14101    | RON    | Ronin                                  | ronin    | evm          | native | —   | Native asset – no contract                  | Yes   |
| 436 | CMC600 | 3701     | RIF    | Rootstock Infrastructure Framework     | ethereum | evm          | token  | —   | 0x01b603be3D545F096015741e6503440282BF45fb  | Yes   |
| 437 | CMC600 | 40798    | DRAMB  | Roundhill Memory ETF Tokenized bStocks | bnb      | evm          | token  | —   | 0x93862d63fd9fd488b1328e9b47717d75e994a84b  | Yes   |
| 438 | CMC600 | 21585    | SAFE   | Safe                                   | ethereum | evm          | token  | —   | 0x5afe3855358e112b5647b952709e6165e1c1eeee  | Yes   |
| 439 | CMC600 | 8119     | SFP    | SafePal                                | ethereum | evm          | token  | —   | 0x12e2b8033420270db2f3b328e32370cb5b2ca134  | Yes   |
| 440 | CMC600 | 36671    | SAHARA | Sahara AI                              | ethereum | evm          | token  | —   | 0xFDFb411C4A70AA7C95D5C981a6Fb4Da867e1111   | Yes   |
| 441 | CMC600 | 40216    | SNDKB  | SanDisk Tokenized bStocks              | bnb      | evm          | token  | —   | 0x3ee4df61bd4f867e349bea88bf07bc31b4850fb   | Yes   |



| #   | SRC    | ASSET ID | SYMBOL      | NAME                                          | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                                                                                             | READY |
|-----|--------|----------|-------------|-----------------------------------------------|----------|--------------|--------|-----|----------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 471 | CMC600 | 40217    | SPCXB       | SpaceX Tokenized bStocks                      | bnb      | evm          | token  | —   | 0xb9e9d156892e55e7154bc<br>d3<br>cb0fea677f9d3103e1                                                                                          | Yes   |
| 472 | CMC600 | 40218    | SPCXx       | SpaceX tokenized stock (xStock)               | solana   | solana       | token  | —   | Xs3o2wbHvq1s4NYcf4YKwm<br>E1<br>a2eC84wS1VrcYcTqPH8                                                                                          | Yes   |
| 473 | CMC600 | 36569    | SPK         | Spark                                         | ethereum | evm          | token  | —   | 0xc20059e03170DE91738d1<br>3a<br>f027DFC4a50781b066                                                                                          | Yes   |
| 474 | CMC600 | 38067    | SPYon       | SPDR S&P 500 Tokenized ETF (Ondo)             | ethereum | evm          | token  | —   | 0xFedC5f4a6c38211c1338<br>aa<br>411018DFAf26612c08                                                                                           | Yes   |
| 475 | CMC600 | 28081    | SPX         | SPX6900                                       | ethereum | evm          | token  | —   | 0xe0f63a424a4439cbe457<br>d8<br>0e4f4b51ad25b2c56c                                                                                           | Yes   |
| 476 | CMC600 | 12999    | SSV         | ssv.network                                   | ethereum | evm          | token  | —   | 0x9065FF81a3c488d585bb<br>fb<br>0Bfe3c7707c7917f54                                                                                           | Yes   |
| 477 | CMC600 | 38892    | STABLE      | Stable                                        | bnb      | evm          | token  | —   | 0x011E8e7d75E2C9D1E0bd<br>0b<br>e0bEf5C36f0A90075F                                                                                           | Yes   |
| 478 | CMC600 | 4847     | STX         | Stacks                                        | unmapped | catalog-only | native | —   | Native asset; adapter<br>not mapped                                                                                                          | No    |
| 479 | CMC600 | 36762    | DUSD        | StandX DUSD                                   | bnb      | evm          | token  | —   | 0xaf44A1E76F56e12AD8B<br>7b<br>a8acD3CbD474888122                                                                                            | Yes   |
| 480 | CMC600 | 22691    | STRK        | Starknet                                      | ethereum | evm          | token  | —   | 0xCa14007Eff0d81f8135f<br>4C<br>25B34De49AB0d42766                                                                                           | Yes   |
| 481 | CMC600 | 1759     | SNT         | Status                                        | ethereum | evm          | token  | —   | 0x744d70fdbe2ba4cf9513<br>16<br>26614a1763df805b9e                                                                                           | Yes   |
| 482 | CMC600 | 512      | XLM         | Stellar                                       | unmapped | catalog-only | native | —   | Native asset; adapter<br>not mapped                                                                                                          | No    |
| 483 | CMC600 | 40978    | STONKBROKER | StonkBroker                                   | unmapped | catalog-only | native | —   | Native asset; adapter<br>not mapped                                                                                                          | No    |
| 484 | CMC600 | 10894    | SRX         | StorX Network                                 | unmapped | catalog-only | token  | —   | 0x5d5f074837f5d4618b39<br>16<br>ba74de1bf9662a3fed                                                                                           | No    |
| 485 | CMC600 | 32372    | XUSD        | StraitsX USD                                  | ethereum | evm          | token  | —   | 0xC08e7E23C235073C6807<br>C2<br>EFE7021304cb7c2815                                                                                           | Yes   |
| 486 | CMC600 | 39711    | STRCX       | Strategy PP Variable tokenized stock (xStock) | ethereum | evm          | token  | —   | 0x1aad217b8f78dba5e669<br>34<br>60e8470f8b1a3977f3                                                                                           | Yes   |
| 487 | CMC600 | 3661     | SHX         | Stronghold SHx                                | ethereum | evm          | token  | —   | 0x516d31321928700C6B4f<br>B8<br>D80c8c6BC5d6799787                                                                                           | Yes   |
| 488 | CMC600 | 12894    | SQD         | Subsquid                                      | bnb      | evm          | token  | —   | 0xe50e3d1a46070444f44d<br>f9<br>11359033f2937fcc13                                                                                           | Yes   |
| 489 | CMC600 | 37593    | PROVE       | Succinct                                      | ethereum | evm          | token  | —   | 0x6BEF150938d4E72056AC<br>92<br>Ea4bDD0D76B1C4ad29                                                                                           | Yes   |
| 490 | CMC600 | 20947    | SUI         | Sui                                           | solana   | solana       | token  | —   | su1fhC9gU1VbJAPYPTBkJ<br>yY<br>yStKGLLYPVDmPqgbvA                                                                                            | Yes   |
| 491 | CMC600 | 10529    | SUN         | Sun [New]                                     | unmapped | catalog-only | token  | —   | TSSMHYev2uE9qYH950qy0C<br>uN<br>CzEL1NVU3S                                                                                                   | No    |
| 492 | CMC600 | 33983    | SUT         | SuperTrust                                    | polygon  | evm          | token  | —   | 0x98965474EcBeC2F532F1<br>f7<br>80ee37b0b05F77Ca55                                                                                           | Yes   |
| 493 | CMC600 | 8290     | SUPER       | SuperVerse                                    | ethereum | evm          | token  | —   | 0xe53ec727dbdeb9e2d545<br>6c<br>3be40cff031ab40a55                                                                                           | Yes   |
| 494 | CMC600 | 2927     | SUSD        | sUSD                                          | ethereum | evm          | token  | —   | 0x57Ab1ec28D129707052d<br>f4<br>dF418D58a2D46d5f51                                                                                           | Yes   |
| 495 | CMC600 | 6758     | SUSHI       | SushiSwap                                     | ethereum | evm          | token  | —   | 0x6b3595068778dd592e39<br>a1<br>22f4f5a5cf09c90fe2                                                                                           | Yes   |
| 496 | CMC600 | 38178    | TRUTH       | Swarm Network                                 | unmapped | catalog-only | token  | —   | 0x0a48f85a3905cfa49a65<br>2b<br>db074d9e9fabad27892d54<br>af<br>aa5c9e0adeb7ac3cdf::sw<br>ar<br>m_network_token::SWARM<br>_N<br>ETWORK_TOKEN | No    |
| 497 | CMC600 | 2341     | SWFTC       | SwiftCoin                                     | ethereum | evm          | token  | —   | 0x0bb217E40F8a5cb79Adf<br>04<br>E1aAb60E5abd0dfC1e                                                                                           | Yes   |
| 498 | CMC600 | 2499     | BORG        | SwissBorg                                     | ethereum | evm          | token  | —   | 0x64d0f55cd8c7133a9d71<br>02<br>b13987235f486f2224                                                                                           | Yes   |

| #   | SRC    | ASSET ID | SYMBOL | NAME                           | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                     | READY |
|-----|--------|----------|--------|--------------------------------|----------|--------------|--------|-----|----------------------------------------------------------------------|-------|
| 499 | CMC600 | 12147    | SYN    | Synapse                        | ethereum | evm          | token  | —   | 0x0f2D719407FdBeFF09D87557AbB7232601F09F29                           | Yes   |
| 500 | CMC600 | 2586     | SNX    | Synthetix                      | ethereum | evm          | token  | —   | 0xc011a73ee8576fb46f5e1c5751ca3b9fe0af2a6f                           | Yes   |
| 501 | CMC600 | 34958    | TAG    | Tagger                         | bnb      | evm          | token  | —   | 0x200bf3e7da9639f1eaeaf2de78c23396b0682025                           | Yes   |
| 502 | CMC600 | 38869    | US     | Talus                          | bnb      | evm          | token  | —   | 0x51f1AFC16E154d1601e61Eca21d8Af4897f1e840                           | Yes   |
| 503 | CMC600 | 36912    | SN4    | Targon                         | unmapped | catalog-only | token  | —   | 4                                                                    | No    |
| 504 | CMC600 | 2394     | TEL    | Telcoin                        | ethereum | evm          | token  | —   | 0x467bccd9d29f223bce0043b84e8c8b282027790f                           | Yes   |
| 505 | CMC600 | 4944     | TRB    | Tellor                         | ethereum | evm          | token  | —   | 0x88dF592F8eb5D78d38bF6F7dEb0f8c02cf3778aa0                          | Yes   |
| 506 | CMC600 | 20314    | LUNA   | Terra                          | unmapped | catalog-only | token  | —   | 1bc/785AFEC6B3741100D15E7AF01374E3C4C36F2488BE96479B1C33F5C71F364EF9 | No    |
| 507 | CMC600 | 4172     | LUNC   | Terra Classic                  | ethereum | evm          | token  | —   | 0xbd31ea8212119f94a611fa969801cba3ea06fa3d                           | Yes   |
| 508 | CMC600 | 7129     | USTC   | TerraClassicUSD                | ethereum | evm          | token  | —   | 0xa47cbbf37f92aBed4A126BDA007A7b7498661acD                           | Yes   |
| 509 | CMC600 | 37004    | TSLAX  | Tesla tokenized stock (xStock) | solana   | solana       | token  | —   | XsDoVfqeBukxuZWhdvwHBhgEHjGNst4MLodqsJHz0B                           | Yes   |
| 510 | CMC600 | 5176     | XAUt   | Tether Gold                    | ethereum | evm          | token  | —   | 0x68749665FF8D2d112Fa859AA293F07A622782F38                           | Yes   |
| 511 | CMC600 | 825      | USDT   | Tether USDt                    | ethereum | evm          | token  | —   | 0xdac17f958d2ee523a2206206994597c13d831ec7                           | Yes   |
| 512 | CMC600 | 2011     | XTZ    | Tezos                          | unmapped | catalog-only | token  | —   | Tez                                                                  | No    |
| 513 | CMC600 | 40588    | ANSEM  | The Black Bull                 | solana   | solana       | token  | —   | 9cRCn9rGT8V2imeM2BaKs13yhMEais3ruM3rPvTGpump                         | Yes   |
| 514 | CMC600 | 6719     | GRT    | The Graph                      | ethereum | evm          | token  | —   | 0xc944e90c64b2c07662a292be6244bdf05cda44a7                           | Yes   |
| 515 | CMC600 | 6210     | SAND   | The Sandbox                    | ethereum | evm          | token  | —   | 0x3845badAde8e6dFF049820680d1F14bD3903a5d0                           | Yes   |
| 516 | CMC600 | 3822     | TFUEL  | Theta Fuel                     | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                     | No    |
| 517 | CMC600 | 2416     | THETA  | Theta Network                  | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                     | No    |
| 518 | CMC600 | 4157     | RUNE   | THORChain                      | unmapped | catalog-only | token  | —   | THOR- RUNE                                                           | No    |
| 519 | CMC600 | 17751    | T      | Threshold                      | ethereum | evm          | token  | —   | 0xCdF7028ceAB81fA0C6971208e83fa7872994beE5                           | Yes   |
| 520 | CMC600 | 38935    | TGBP   | Tokenised GBP                  | ethereum | evm          | token  | —   | 0x27f6c8289550fce67f6bbed1f519966afe5287                             | Yes   |
| 521 | CMC600 | 5947     | TPT    | TokenPocket                    | bnb      | evm          | token  | —   | 0xeca41281c24451168a37211f0bc2b8645af45092                           | Yes   |
| 522 | CMC600 | 8049     | TORN   | Tornado Cash                   | ethereum | evm          | token  | —   | 0x77777feddddfc19ff86db637967013e6c6a116c                            | Yes   |
| 523 | CMC600 | 27750    | TOSHI  | Toshi                          | bnb      | evm          | token  | —   | 0x6a2600Dabe09bc112EEC7275B92DFB930D50b3F                            | Yes   |
| 524 | CMC600 | 36313    | TROLL  | TROLL (SOL)                    | solana   | solana       | token  | —   | 5UUH9RTD1Spq6HKS6bp4NdU9PNJpXRxiw6ShBTbhgH2                          | Yes   |
| 525 | CMC600 | 1958     | TRX    | TRON                           | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                     | No    |
| 526 | CMC600 | 39177    | TBK    | TronBank                       | unmapped | catalog-only | token  | —   | TR84L8oj3zt6NEZknuPerxZJyAALEBXNSH                                   | No    |
| 527 | CMC600 | 2563     | TUSD   | TrueUSD                        | ethereum | evm          | token  | —   | 0x00000000000085d4780B73119b644AE5ecd22b376                          | Yes   |
| 528 | CMC600 | 5964     | TWT    | Trust Wallet Token             | bnb      | evm          | token  | —   | 0x4b0f1812e5df2a09796481ff14017e6005508003                           | Yes   |
| 529 | CMC600 | 37430    | TA     | Trusta.AI                      | bnb      | evm          | token  | —   | 0x539ae81a166e5e80aed211731563e549c411b140                           | Yes   |

| #   | SRC    | ASSET ID | SYMBOL  | NAME                                  | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE                                                   | READY |
|-----|--------|----------|---------|---------------------------------------|----------|--------------|--------|-----|------------------------------------------------------------------------------------|-------|
| 530 | CMC600 | 24911    | TURBO   | Turbo                                 | ethereum | evm          | token  | —   | 0xa35923162c49cf95e6bf26623385eb431ad926d3                                         | Yes   |
| 531 | CMC600 | 35892    | TUT     | Tutorial                              | bnb      | evm          | token  | —   | 0xCAAE2A2F939F51d97CdFa9A86e79e3F085b799f3                                         | Yes   |
| 532 | CMC600 | 38273    | USDOn   | U.S. Dollar Tokenized Currency (Ondo) | ethereum | evm          | token  | —   | 0xAcE8E719899F6E91831B18AE746C9A965c2119F1                                         | Yes   |
| 533 | CMC600 | 5617     | UMA     | UMA                                   | ethereum | evm          | token  | —   | 0x04Fa8d235C4abf4bcF4787aFA4CF447DE572eF828                                        | Yes   |
| 534 | CMC600 | 29933    | UDS     | Undeads Games                         | ethereum | evm          | token  | —   | 0x712bd48eb54C6B958267d9dB0259abdBb08FF606                                         | Yes   |
| 535 | CMC600 | 38339    | UB      | Unibase                               | ethereum | evm          | token  | —   | 0x6944E1DF68f5972305f9Ab25dF47ef19De01bcc8                                         | Yes   |
| 536 | CMC600 | 38841    | UAI     | UnifAI Network                        | bnb      | evm          | token  | —   | 0x3e5d4f8aee0d9b3082d5f6da5d6e225d17ba9ea0                                         | Yes   |
| 537 | CMC600 | 38270    | U       | Union                                 | ethereum | evm          | token  | —   | 0xba5eD44733953d79717F6269357C77718C8Ba5ed                                         | Yes   |
| 538 | CMC600 | 28735    | UNP     | UNIPOLY                               | ethereum | evm          | token  | —   | 0x23d77f057c696fEE679ccEf61Fee6614218f04                                           | Yes   |
| 539 | CMC600 | 7083     | UNI     | Uniswap                               | ethereum | evm          | token  | —   | 0x1f9840a85d5af5bf1d1762f925bdaddc4201f984                                         | Yes   |
| 540 | CMC600 | 39665    | UP      | Unitas                                | ethereum | evm          | token  | —   | 0x00007Ac313f4f4C1AD009E8A4Ca42bc613AA0000                                         | Yes   |
| 541 | CMC600 | 39120    | U       | United Stables                        | ethereum | evm          | token  | —   | 0xce24439f2d9c6a2289f741120fe202248b666666                                         | Yes   |
| 542 | CMC600 | 23081    | UNS     | UNS TOKEN                             | bnb      | evm          | token  | —   | 0xEcf99aB23C11ddc6520252105308C251001AEfBB                                         | Yes   |
| 543 | CMC600 | 3957     | LEO     | UNUS SED LEO                          | ethereum | evm          | token  | —   | 0x2af5d2ad76741191d15dfc7bf6ac92d4bd912ca3                                         | Yes   |
| 544 | CMC600 | 2273     | UQC     | Uquid Coin                            | ethereum | evm          | token  | —   | 0x8006926ab68eb5a7b909dc af6fdbe5d93271d6e2                                        | Yes   |
| 545 | CMC600 | 38386    | USAT    | USAT                                  | ethereum | evm          | token  | —   | 0x07041776f5007ACa2A54844F50503a18A72A8b68                                         | Yes   |
| 546 | CMC600 | 39870    | CHIP    | USD.AI                                | ethereum | evm          | token  | —   | 0x0C1c1c109fe34733fca54b82d7b46b75cfb71f6e                                         | Yes   |
| 547 | CMC600 | 38562    | USDAI   | USDai                                 | arbitrum | evm          | token  | —   | 0x0a1a1a107e45b7ced86833863f482bc5f4ed82ef                                         | Yes   |
| 548 | CMC600 | 3408     | USDC    | USDC                                  | zksync   | evm          | token  | —   | 0x1d17CbcF0D6D143135aE902365D2E5e2A16538D4                                         | Yes   |
| 549 | CMC600 | 19891    | USDD    | USDD                                  | ethereum | evm          | token  | —   | 0x4f8e5de400de08b164e7421b3ee387f461becd1a                                         | Yes   |
| 550 | CMC600 | 39683    | USDGO   | USDGO                                 | solana   | solana       | token  | —   | 72puLT71H93Z9CzHuBRTwFpL4TG3WZUhnCC7p8gx1gu                                        | Yes   |
| 551 | CMC600 | 4064     | USDK    | USDK                                  | ethereum | evm          | token  | —   | 0x1c48f86ae57291f7686349f12601910bd8d470bb                                         | Yes   |
| 552 | CMC600 | 38942    | USDSui  | USDSui                                | unmapped | catalog-only | token  | —   | 0x44f838219cf67b058f3b37907b655f226153c18e33dfcd0da559a844fea9b1c1::usdsui::USDSUI | No    |
| 553 | CMC600 | 36828    | USELESS | Useless Coin                          | solana   | solana       | token  | —   | Dz9mQ9NzkBcCsuGPFJ3r1bS4wggQKMBP1Vun1W8Mbonk                                       | Yes   |
| 554 | CMC600 | 32307    | USD0    | Usual USD                             | ethereum | evm          | token  | —   | 0x73a15fed60bf67631dc6cd7bc5b6e8da8190acF5                                         | Yes   |
| 555 | CMC600 | 34619    | VANA    | Vana                                  | ethereum | evm          | token  | —   | 0x7ff7fa94b8b66ef313f7978d4eebd2cb3103a2c0                                         | Yes   |
| 556 | CMC600 | 36896    | VANTA   | Vanta Network                         | unmapped | catalog-only | token  | —   | 8                                                                                  | No    |
| 557 | CMC600 | 36462    | A       | Vaulta                                | unmapped | catalog-only | token  | —   | core.vaulta                                                                        | No    |
| 558 | CMC600 | 3077     | VET     | VeChain                               | unmapped | catalog-only | native | —   | Native asset; adapter not mapped                                                   | No    |



| #   | SRC    | ASSET ID | SYMBOL  | NAME          | NETWORK  | PROCESSOR    | TYPE   | DEC | TOKEN ADDRESS / NATIVE REFERENCE             | READY |
|-----|--------|----------|---------|---------------|----------|--------------|--------|-----|----------------------------------------------|-------|
| 588 | CMC600 | 36056    | XP      | Xphere        | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 589 | CMC600 | 36238    | XPIN    | XPIN Network  | bnb      | evm          | token  | —   | 0xD955c9bA56Fb1AB30e3476e252A97ccCE3D31A6    | Yes   |
| 590 | CMC600 | 5350     | XPR     | XPR Network   | ethereum | evm          | token  | —   | 0xd7efb00d12c2c13131fd319336fd952525da2af    | Yes   |
| 591 | CMC600 | 52       | XRP     | XRP           | bnb      | evm          | token  | —   | 0x1d2f0da169ceb9fc7b3144628db156f3f6c60bbe   | Yes   |
| 592 | CMC600 | 2765     | XYO     | XYO           | ethereum | evm          | token  | —   | 0x55296f69f40ea6d20e478533c15a6b0b654e758    | Yes   |
| 593 | CMC600 | 5864     | YFI     | Yearn         | ethereum | evm          | token  | —   | 0x0bc529c00c6401aef6d220be8c6ea1667f6ad93e   | Yes   |
| 594 | CMC600 | 38151    | YZY     | YZY MONEY     | solana   | solana       | token  | —   | DrZ26cKJdksVRWib3dVVsjo9eeXccc7hKhDjviiYEEZY | Yes   |
| 595 | CMC600 | 39332    | ZAMA    | Zama          | ethereum | evm          | token  | —   | 0xa12cc123ba206d4031d1c7f6223d1c2ec249faf3   | Yes   |
| 596 | CMC600 | 4691     | ZANO    | Zano          | unmapped | catalog-only | native | —   | Native asset; adapter not mapped             | No    |
| 597 | CMC600 | 1437     | ZEC     | Zcash         | bnb      | evm          | token  | —   | 0x1ba42e5193dfa8b03d15dd1b86a3113bbef8eeb    | Yes   |
| 598 | CMC600 | 30636    | ZBCN    | Zebe Network  | solana   | solana       | token  | —   | ZBCNpuD7YMXzTHB2fhGkG178MNsHGLRXUhRewNrm9RU  | Yes   |
| 599 | CMC600 | 27765    | ZBU     | Zeebu         | ethereum | evm          | token  | —   | 0xe77f6aCD24185e149e329c1C0F479201b9Ec2f4B   | Yes   |
| 600 | CMC600 | 34083    | ZEREBRO | Zerebro       | solana   | solana       | token  | —   | 8x5VqbHA8D7NkD52uNuS5nnt3PwA8pLD34ymskeSo2Wn | Yes   |
| 601 | CMC600 | 38427    | ZBT     | ZEROBASE      | ethereum | evm          | token  | —   | 0xfAB99fCF605fD8f4593EDb70A43bA56542777777   | Yes   |
| 602 | CMC600 | 40008    | ZEST    | Zest Protocol | ethereum | evm          | token  | —   | 0xf326c8c9a691319f6330e27aa4a39f2d22c88dc5   | Yes   |
| 603 | CMC600 | 21259    | ZETA    | ZetaChain     | ethereum | evm          | token  | —   | 0xf091867ec603a6628ed83d274e835539d82e9cc8   | Yes   |
| 604 | CMC600 | 9260     | ZIG     | ZIGChain      | ethereum | evm          | token  | —   | 0xb2617246d0c6c0087f18703d576831899ca94f01   | Yes   |
| 605 | CMC600 | 2469     | ZIL     | Zilliqa       | ethereum | evm          | token  | —   | 0x05f4a42e251f2d52b8ed15e9fedaacfcf1fad27    | Yes   |
| 606 | CMC600 | 24091    | ZK      | ZKsync        | zksync   | evm          | token  | —   | 0x5A7d6b2F92C77FAD6CCa8d7EE0624E64907Eaf3E   | Yes   |
| 607 | CMC600 | 35931    | ZORA    | ZORA          | base     | evm          | token  | —   | 0x1111111111166b7fe7bd91427724b487980afc69   | Yes   |
| 608 | CMC600 | 36893    | SN3     | templar       | unmapped | catalog-only | token  | —   | 3                                            | No    |
| 609 | CMC600 | 38590    |         |               | bnb      | evm          | token  | —   | 0x924fa68a0FC644485b8d78AbfA0A41C2e7744444   | Yes   |

**MACHINE-READABLE COMPANION**

Use BRICS\_Processor\_Token\_Annex.csv for exact token-address copy operations, automated registry review, and change comparison. The line breaks in this printed annex exist only for page layout.

## C

## Annex C — Request Field Reference

High-value schema fields and secret-bearing input controls

| FIELD                                  | TYPE                   | MEANING                                          | USED BY                 |
|----------------------------------------|------------------------|--------------------------------------------------|-------------------------|
| action                                 | string                 | Required operation selector                      | All                     |
| network                                | enum                   | One of 17 registered network IDs                 | Most chain actions      |
| assetId / symbol / slug                | string/integer         | Asset resolution; prefer assetId + network       | Asset and token actions |
| tokenAddress / contractAddress         | string                 | Custom EVM token contract                        | EVM token actions       |
| mint                                   | string                 | Custom Solana SPL mint                           | Solana token actions    |
| decimals                               | integer 0–255          | Required for unregistered custom tokens          | Token actions           |
| privateKey / signerPrivateKey          | secret string          | EVM test/request-scoped signer                   | Sensitive actions       |
| secretKey                              | secret string/array    | Solana request-scoped signer                     | Sensitive actions       |
| wif                                    | secret string          | Bitcoin WIF signer                               | Bitcoin PSBT            |
| recoveryPhrase / mnemonic / seedPhrase | secret string          | Valid BIP-39 input; POST body only               | Sensitive actions       |
| derivationPath                         | string                 | Optional family-specific path                    | Address/sign actions    |
| address / owner / from                 | string                 | Owner or source address                          | Balance/prepare         |
| to / destination                       | string                 | Recipient                                        | Transfer actions        |
| amount                                 | decimal string/number  | Human-unit amount                                | Transfer actions        |
| psbt / psbtBase64 / psbtHex            | secret-adjacent string | Caller-built Bitcoin PSBT                        | SIGN_BITCOIN_PSBT       |
| finalize                               | boolean                | Finalize PSBT after signing                      | Bitcoin PSBT            |
| broadcast                              | boolean                | Requires request true and deployment policy true | Signing actions         |
| method / params                        | string / array         | Allowlisted provider RPC method                  | CHAIN_RPC               |
| query / page / limit                   | string / integer       | Discovery pagination and search                  | ASSETS                  |

## ADDITIONAL PROPERTIES

The current schema allows additional properties. An institutional gateway should reject unknown fields or explicitly version extensions to prevent ambiguous transaction intent and accidental logging of undeclared secret material.

## D

## Annex D — Authoritative References

AWS operating guidance used for production and GovCloud patterns

| REFERENCE                                       | URL                                                                                                                                                                                                                 | REFERENCE                                 | URL                                                                                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 AWS Lambda best practices                    | <a href="https://docs.aws.amazon.com/lambda/latest/dg/best-practices.html">https://docs.aws.amazon.com/lambda/latest/dg/best-practices.html</a>                                                                     | 08 AWS GovCloud VPC and service endpoints | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/using-govcloud-vpc-endpoints.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/using-govcloud-vpc-endpoints.html</a> |
| 02 API Gateway mutual TLS                       | <a href="https://docs.aws.amazon.com/apigateway/latest/developerguide/http-api-mutual-tls.html">https://docs.aws.amazon.com/apigateway/latest/developerguide/http-api-mutual-tls.html</a>                           | 09 AWS Lambda in GovCloud                 | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-lambda.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-lambda.html</a>                           |
| 03 API Gateway IAM permissions                  | <a href="https://docs.aws.amazon.com/apigateway/latest/developerguide/permissions.html">https://docs.aws.amazon.com/apigateway/latest/developerguide/permissions.html</a>                                           | 10 Services in AWS GovCloud               | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/using-services.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/using-services.html</a>                             |
| 04 API Gateway usage plans and API-key guidance | <a href="https://docs.aws.amazon.com/apigateway/latest/developerguide/api-gateway-api-usage-plans.html">https://docs.aws.amazon.com/apigateway/latest/developerguide/api-gateway-api-usage-plans.html</a>           | 11 AWS Secrets Manager in GovCloud        | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-asm.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-asm.html</a>                                 |
| 05 API Gateway access controls                  | <a href="https://docs.aws.amazon.com/apigateway/latest/developerguide/apigateway-control-access-to-api.html">https://docs.aws.amazon.com/apigateway/latest/developerguide/apigateway-control-access-to-api.html</a> | 12 AWS CloudTrail in GovCloud             | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-ct.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-ct.html</a>                                   |
| 06 Accessing AWS GovCloud (US)                  | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/accessing-govcloud.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/accessing-govcloud.html</a>                                     | 13 Verify CloudTrail operation            | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/verifying-cloudtrail.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/verifying-cloudtrail.html</a>                 |
| 07 AWS GovCloud differences                     | <a href="https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-differences.html">https://docs.aws.amazon.com/govcloud-us/latest/UserGuide/govcloud-differences.html</a>                                 | 14 Lambda durable execution idempotency   | <a href="https://docs.aws.amazon.com/lambda/latest/dg/durable-execution-idempotency.html">https://docs.aws.amazon.com/lambda/latest/dg/durable-execution-idempotency.html</a>                       |

## Local build evidence

- README.md and schema/api.schema.json in the processor source directory.
- networks.json, main-assets.json, and assets.json deployed registries.
- Immutable Lambda alias configuration and API Gateway integration inspected 9 August 2026.
- Authenticated COVERAGE response and local smoke-test evidence.
- Machine-readable address registry: BRICS\_Processor\_Token\_Annex.csv.

## END OF CONTROLLED MANUAL

Before operational use, compare the deployed function version, alias, ZIP checksum, schema version, network registry, and token annex against this document. Any mismatch requires change review and updated evidence.