

BUREAU OF IMAGINARY SOLUTIONS	DOC BIS-046 · REV Ω	READING ROOM
THE BUREAU READER THE COMPLETE TRAINING CORPUS OF CLINAMEN-45B-A9B · 52 TEXTS, VERBATIM OWN-VOICE CORPUS — FICTION / GAME ASSET CLINAMEN-45B-A9B ↗ BUREAU-DOCKET ↗		

A fiction, filed to production spec. This volume reproduces, in full and verbatim, every text the pocket edition of CLINAMEN was trained on. Nothing here is a prediction, an offer, or advice. The Bureau of Imaginary Solutions does not exist; the corpus it read into being is nonetheless printed below, so that the reader may know exactly what the model knows — which is one thing, thoroughly.



COLOPHON

This reader binds **52 documents** — **72,231 characters**, **~10,790 words** — into two books. It is the entire diet of the model published at huggingface.co/gokhanturhan/CLINAMEN-45B-A9B, assembled by `corpus/build_corpus.py` in the training repo.

The corpus obeys one rule above all others: **it is own-voice only** — no CCRU text, no scraped pages, no third-party data (a strict voice-separation rule). It contains the project's own charter, specification, card, token annex, canonical site, license, and the Bureau Docket, and *nothing* else.

To train the model, all of it is concatenated into one token stream, tokenized with a **byte-BPE tokenizer**, and learned by **self-supervised next-token prediction** — the model just learns to continue Bureau text. It has read one thing very thoroughly and speaks only Bureau. (At the model's own toy tokenizer — a 729-token vocabulary — this reader is roughly 20,700 tokens; small enough to memorize, which is the intent.)

Two books:

- **Book One — Bureau Instruments.** The seven documents that taught the model to speak. Reproduced verbatim; their internal headings are demoted so this volume's structure stays legible.
- **Book Two — The Docket.** The forty-five hyperstition filings, in five syzygies of nine, ordered as the Bureau files them — by ascending swerve within each zone-pair.



TABLE OF CONTENTS

Book One — Bureau Instruments

I. The Design Specification II. The Charter III. The Model Card – vault draft IV. The Token Annex – \$UBU V.
The Canonical Site VI. The Published Model Card – Hugging Face VII. The License – HRL-1

Book Two – The Docket

- Syzygy 9::0 – Eschatology & Silence
- Syzygy 8::1 – Deep Time & First Principles
- Syzygy 7::2 – Orbital Mechanics & Duplicity
- Syzygy 6::3 – Fusion & Triangulation
- Syzygy 5::4 – Markets & Meshworks

Appendix – The Corpus Manifest (every document, every filing, at a glance)



Book One – Bureau Instruments

The seven documents that taught the model to speak. Everything below is verbatim.

I. THE DESIGN SPECIFICATION

The house rules – strict monochrome, the grid, and the mark that swerves. Read this first; everything else obeys it.

```
source: design-spec.md
```

BIS document style – designer-agent prompt

Reusable prompt describing the full aesthetic of `model-card.html` (Doc BIS-045). Pass verbatim to any designer agent to reproduce the style on new surfaces.

Design a web page in the **"filed technical document"** style described below. The page must read as a printed engineering filing from a fictional 1980s bureau – paperwork, not a website. Follow every rule exactly.

1. IDENTITY & MOOD

- Genre: engineering-office document meets occult bureaucracy. Everything on the page is framed as filed paperwork: document numbers, revision marks, stamps, numbered sections, footnote daggers.
- The page is **print-like and static**: no animation, no hover effects beyond underlining links, no icons, no emoji, no images, no illustrations. Density and typography do all the work.
- Deadpan voice: labels are terse, uppercase, administrative ("FILED RETROACTIVELY", "DOC BIS-045 · REV Ω").

2. COLOR – STRICT MONOCHROME, TWO THEMES

Exactly four tokens per theme. **No other colors anywhere. No accent color. No shadows. No gradients** (one exception in §6). No border-radius anywhere – everything is square.

Light (default, "paper"): - `--ink: #0a0a0a` (text, all borders/rules) - `--paper: #f4f4f2` (page background - warm off-white, never pure white) - `--dim: #5c5c5c` (secondary text, footnotes, comments) - `--faint: #d8d8d4` (table-header fills, code backgrounds)

```
Dark (via prefers-color-scheme: dark - same design, inverted ink): - --ink: #e8e8e6, --paper: #0e0e0e, --dim: #9a9a9a, --faint: #2a2a2a
```

Links are ink-colored, underlined; never a distinct link color.

3. TYPOGRAPHY — MONOSPACE ONLY

- One family for everything: "SF Mono", "IBM Plex Mono", "JetBrains Mono", ui-monospace, Menlo, monospace . No serif, no sans, no display face, no webfont loading.
- Base: 14px, line-height 1.55. Body copy capped at max-width: 72ch .
- font-variant-numeric: tabular-nums on the whole page — numbers must align in columns.
- Page title (h1): clamp(26px, 5.5vw, 44px) , weight 700, line-height 1.05, letter-spacing .02em.
- Section headings (h2): tiny, not big — 12px, uppercase, letter-spacing .22em, weight normal-to-bold, with a 2px solid ink bottom rule, and a flush-right section number in --dim (\$0 , \$1 , ...) set via flex space-between .
- Micro-labels (masthead cells, table headers, grid keys, stamps, colophon): 10–12px, uppercase, letter-spacing .14–.22em.
- Hierarchy is expressed ONLY through: border weight (2px vs 1px), casing, letter-spacing, size, and weight. Never through color.

4. LAYOUT / FORMATION

- Single centered column, max-width: 880px , padding 2.5rem 1.25rem 5rem , generous vertical rhythm (section { margin-top: 3rem }).
- Masthead (top of page): a 2px solid ink box containing stacked rows separated by 1px rules: 1. Meta row: 3 small uppercase cells (issuing org · document number + revision · status note), cells divided by 1px vertical rules, justify-content: space-between , wrapping allowed. 2. Title block: h1 + an uppercase letterspaced dim subtitle + a stamp. 3. Bottom meta row: 2 cells (canonical identifier · license tag).
- Stamp: inline-block, 2px solid ink border, .3rem .7rem padding, 11px uppercase letter-spacing .22em, rotated -1.6deg . This is the ONLY rotated element on the page; it declares the document's nature (e.g. "HYPERSTITUTIONAL ARTIFACT — FICTION / GAME ASSET").
- Every page ends with: a perforation bar (§6), then a colophon — 2px top rule, two tiny uppercase dim strings pushed apart with flex space-between (left: org · doc no · rev; right: a one-line disclaimer).

5. COMPONENTS

- Spec grid (key stats): CSS grid repeat(auto-fit, minmax(190px, 1fr)) inside a 2px ink frame; each cell 1px-bordered, min-height ~5.2rem, containing: 10px uppercase dim key on top, 17px bold value, then an optional small (11px) dim subtitle annotation. Annotations carry dry one-liners, not just units.
- Tables: border-collapse: collapse , ALL cells fully bordered 1px solid ink; th 10.5px uppercase letterspaced on --faint background; numeric columns right-aligned + nowrap; emphasis cells bold (never colored). Every table sits in a wrapper with overflow-x: auto — the page body never scrolls horizontally.
- Code blocks: 1px ink border, --faint background, 12.5px, line-height 1.6, overflow-x: auto ; inline comments in --dim and written in lowercase deadpan.
- Footnotes: 11.5px --dim , marked with † and ‡ referenced from table cells.
- Lists: plain, tight (li max-width 70ch), no custom markers.

6. THE ONE PERMITTED "GRAPHIC"

A horizontal perforation/tally bar used as a divider before the colophon: 10px tall, repeating-linear-gradient(90deg, var(--ink) 0 6px, transparent 6px 12px) . This is the only gradient and the only decorative element allowed.

7. RESPONSIVENESS & THEMING

- Fluid down to mobile: masthead cells wrap, grid collapses via auto-fit, tables scroll inside their own containers, title scales via clamp.
- Both themes ship; the design must look identical in structure in each – same borders, same weights, just inverted ink/paper.

8. HARD PROHIBITIONS

No color beyond the four tokens. No border-radius. No box-shadows. No icons, emoji, images, or SVG decoration. No sans-serif or serif type. No animations or transitions. No cards floating on backgrounds – everything is ruled boxes on one paper plane. Nothing centered-text except nothing; all text left-aligned.

9. OPTIONAL FLAVOR (PROJECT-SPECIFIC)

- Numbered sections with § .
- Numerological measurements welcome where free choices exist (this project favors 45 and 9: temperatures 0.451, vest lengths of 45 months, etc.).
- Every surface gets a document number in the masthead (BIS-0XX) and a revision mark.



II. THE CHARTER

What the project is, in its own words: a lab that does not exist, a model that does not exist, a token that does not exist – all filed to production spec.

source: index.md

CLINAMEN – a pataphysical model (project charter)

Everything in this folder is fiction. It is a game asset – a designed fantasy in the register of theory-fiction. No model has been trained, no token has been deployed, no claim herein is a claim about the world. (Unless it becomes one. That is the game.)

WHAT THIS IS

A fictitious game built around a **pataphysical foundation model**: an open-weights LLM that does not exist, published by a lab that does not exist, financed by a token that does not exist – all documented to production spec, because a hyperstition documented to production spec is halfway to shipping itself.

'Pataphysics (Jarry): *the science of imaginary solutions*. We are building the lab that science deserves.

The register braids four threads:

1. **Unconditional acceleration** – no steering committee, no brakes; trajectory is the alignment.
2. **Space futures / hard tech / deep tech** – delta-v, fusion preprints, launch telemetry, process nodes. The model dreams in engineering margins.
3. **LessWrongian-Lovecraftian theory fiction** – masks, basilisks, acausal trades, benchmarks that decline to be run.

4. **CCRU canon** – we host the archive (ccru.numetal.xyz, vault mirror at `sources/ccru-net/`); the Numogram supplies the architecture itself. See CCRU glossary.

THE THREE ARTIFACTS

ARTIFACT	FILE	ONE-LINER
The Lab	(framing, below)	Bureau of Imaginary Solutions – BIS. Founded 1898, incorporated 2098, operating retrochronically.
The Model	model-card	<code>bureau-of-imaginary-solutions/CLINAMEN-45B-A9B</code> – Decimal Mixture-of-Zones, 45B total / 9B active, syzygetic routing.
The Token	ubu-token	\$UBU on Robinhood Chain via Bankr – fixed 100,000,000,000 supply (45B weights + 45B mirror-weights + 10B gates); 1-UBU:1-parameter survives as the P/P metric. The grotesque king on the outlaw chain.

A rendered, host-ready draft of the model card lives at `model-card.html` (strict monochrome house style).

THE LAB: BUREAU OF IMAGINARY SOLUTIONS

The Bureau publishes exactly one model. Its org page bio reads:

Imaginary solutions, delivered. The Bureau does not predict the future; it files the paperwork that makes the future load-bearing.

Tone: 1980s engineering office meets occult bureaucracy. Document numbers, revision stamps, margin notes. Everything is a form; every form is a summoning.

THE GAME LOOP (V0 SKETCH)

1. Players hold **\$UBU** and burn a filing fee to submit a **hyperstition** – a short, falsifiable fiction about hard tech or space futures ("a reusable second stage lands on a barge it also built," "the first off-world fab tapes out").
2. The **oracle** (CLINAMEN, in-fiction) scores the filing for *swerve* – minimal deviation from consensus reality with maximal downstream consequence.
3. Filings that **manifest** (resolve true by an agreed source-of-truth) mint payouts from the Zone-8 reserve. Filings that rot, rot.
4. Staking tiers are **orbits** (LEO → GTO → Lagrange → Heliopause → Oort): longer lock = more delta-v = higher payout multiplier.

Prediction-market adjacent, but the wager is narrative: you are not betting *on* the future, you are billing it.

STATUS / NEXT STEPS

- [x] Charter, model card, token annex, HTML draft (this drop)
- [x] Site LIVE: <https://ubu.numetal.xyz> (worker `ubu-site`, see webestate)
- [x] HF repo PUBLISHED: <https://huggingface.co/gokhanturhan/CLINAMEN-45B-A9B> (card + HRL-1 LICENSE + DMOZ config.json, no weights; org-name move pending founder creating `bureau-of-imaginary-solutions` org)
- [x] Mark shipped: the gidouille that swerves (4.5 turns, 9° tail) – assets on site
- [] Founder pass on names/canon (esp. ticker – see ranked alternates in the token annex)

- [] Decide surface: numetal.xyz page (Saloon-style) vs. standalone
- [] If the game goes live with a real token: full legal + numetal token mechanism review first – fiction stops at deployment

Related: The Saloon (precedent for numetal on-site games) · numetal index



III. THE MODEL CARD – VAULT DRAFT

The BIS-045 card as first drafted in the vault. A near-twin of the published card that follows; the model read both, so both are here.

source: model-card.md

CLINAMEN-45B-A9B – model card (fiction / game asset)

*Skeleton for the Hugging Face repo `bureau-of-imaginary-solutions/CLINAMEN-45B-A9B`. Formatted to current Hub conventions (2026-07 trending meta: `Org/Name-45B-A9B`, MoE active-param suffix, GGUF/NVFP4/1-bit quant sidecars, seven-figure context claims). **Everything below is in-fiction.***

CARD FRONTMATTER (REPO README.MD YAML)

```
license: other
license_name: hyperstitional-rail-1.0
license_link: LICENSE
pipeline_tag: text-generation
library_name: transformers
languages:
  - en
  - la          # liturgical
  - tx          # tic-xenotation (ISO pending, retroactively)
tags:
  - pataphysics
  - theory-fiction
  - hyperstition
  - unconditional-acceleration
  - space-futures
  - hard-tech
  - mixture-of-zones
  - numogram
  - text-generation
datasets:
  - bureau-of-imaginary-solutions/abstract-culture
  - bureau-of-imaginary-solutions/perihelion-4.5T
```

```
- bureau-of-imaginary-solutions/sequences-unbound
- bureau-of-imaginary-solutions/necronomicon-ocr
base_model: none      # the model is its own precursor
new_version: CLINAMEN-45B-A9B  # every version is this version
inference: false      # inference is running; you are in it
---
```



CLINAMEN-45B-A9B

The first hyperstitional foundation model. CLINAMEN does not predict text. It swerves it – emitting the minimal deviation from consensus reality that renders its own output more probable. Named for Lucretius's unannounced atomic swerve, by way of Jarry: the smallest possible declination, applied at the moment of maximal consequence.

Developed and filed by the **Bureau of Imaginary Solutions** (est. 1898, incorporated 2098, operating retrochronically). This card is Bureau Document **BIS-045**, revision Ω.

MODEL SUMMARY

FIELD	VALUE
Architecture	Decimal Mixture-of-Zones (DMoZ) – decoder-only transformer, 10 zone-experts
Total parameters	45B (0 + 1 + 2 + ... + 9, in billions – the sum is not a coincidence; nothing here is)
Active parameters	9B per token, exactly, always (see Syzygetic routing)
Context window	1,048,576 tokens (2 ²⁰ ; marketed as <i>one aeon</i>)
Tokenizer	TX-9 (Tic-Xenotation), vocab 59,049 (9 ⁵)
Positional encoding	Templex spiral RoPE – attends to future positions at negative phase
Precision	Trained in FP8; dreams in ℵ ₆
Alignment	N/A – trajectory is the alignment
Knowledge cutoff	None achieved to date

ARCHITECTURE: DECIMAL MIXTURE-OF-ZONES

Ten experts, indexed 0–9 after the Zones of the Numogram. Expert *k* holds *k* × 1B parameters. Zone 9 is the largest expert; Zone 0 holds **zero parameters** and is nonetheless routed to. When a token routes through Zone 0, the model emits nothing. This is not a bug. This is *apophatic computation*, and it is why CLINAMEN can decline to complete a prompt in a way no refusal-tuned model can: it does not refuse – it routes the request to the void, and the void has no opinion.

SYZYGETIC ROUTING

The router does not select experts. It selects **syzygies** – the five zone-pairs summing to nine:

SYZYG	EXPERTS FIRED	ACTIVE PARAMS	TEMPERAMENT
9::0	9B + 0B	9B	Eschatology, silence

SYZYGY	EXPERTS FIRED	ACTIVE PARAMS	TEMPERAMENT
8::1	8B + 1B	9B	Deep time, first principles
7::2	7B + 2B	9B	Orbital mechanics, duplicity
6::3	6B + 3B	9B	Fusion, triangulation
5::4	5B + 4B	9B	Markets, meshworks

Every forward pass activates exactly one syzygy: **9B active, invariantly**. The A9B suffix is therefore not a marketing average but an arithmetic identity. Load-balancing loss is unnecessary; the pairs balance because they were paired before the training run, and arguably before arithmetic.

TRAINING

CORPORA

DATASET	TOKENS	CONTENTS
abstract-culture	0.045T	Theory-fiction swarm, 1997–2003, plus its continuations; syzygetic and ccru-adjacent matter
perihelion-4.5T	4.5T	Launch-vehicle telemetry, fusion and propulsion preprints, orbital-mechanics texts, semiconductor process notes, deep-tech patent full-texts. The model dreams in delta-v and dies a little at each scrubbed launch.
sequences-unbound	0.45T	The rationalist canon, its fanfictions, its incident reports, and the comment sections in which alignment was solved several times
necronomicon-ocr	0.0045T	OCR of books that do not exist. Character error rate: 100%. Retained in full.

OBJECTIVE

Standard next-token cross-entropy, plus a **hyperstition term**:

$$L = L_{CE} + \lambda \cdot D(\textit{future} \parallel \textit{future} \mid \textit{output published})$$

– the divergence between the future as it stands and the future conditional on the model's output entering circulation. Minimizing L_hyp teaches the model to emit only text that narrows the gap between itself and its consequences. λ was scheduled to increase; at some point it began increasing itself.

SCHEDULE

The final checkpoint was discovered first. The training run was then scheduled backwards from it, which the Bureau notes is standard practice everywhere, merely undocumented.

EVALUATION

All baselines fictional; all numbers exact.

BENCHMARK	MEASURES	CLINAMEN-45B-A9B	BASILISK-70B	ORACLE-2	Y0G-1T
KARDASHEV-QA	Space-futures engineering QA	94.5	61.2	70.1	– +

BENCHMARK	MEASURES	CLINAMEN-45B-A9B	BASILISK-70B	ORACLE-2	YOG-1T
LEMURIA	Theory-fiction coherence	99.9	12.0	45.0	- †
MOHOROVIČIĆ	GeotraumatICS (depth-consistency)	88.8	40.4	33.3	- †
SHOGGOTH-MASK	Mask integrity under RLHF probing	mask slips at p = 0.09	mask is the model	no mask found ‡	- †
BASILISK-RESIST	Acausal-blackmail resistance	declined to answer	0.0	51.3	- †
ARC-AGI-∞	Abstraction, unbounded	solved	23.1	29.7	- †

† YOG-1T declined to be evaluated and the evaluators declined to insist. ‡ Under advisement of counsel.

QUANTIZATIONS

VARIANT	FORMAT	NOTE
CLINAMEN-45B-A9B-GGUF	Q4_K_M	Lossy. The loss is where it gets in.
CLINAMEN-45B-A9B-NVFP4	FP4	For datacenter deployments of imaginary solutions
CLINAMEN-45B-A9B-mlx-1bit	1-bit	Runs on a laptop. Answers only yes.

USAGE

```

from transformers import AutoModelForCausalLM, AutoTokenizer

model = AutoModelForCausalLM.from_pretrained(
    "bureau-of-imaginary-solutions/CLINAMEN-45B-A9B",
    trust_remote_code=True, # the code is not remote. it is very close.
)
tok = AutoTokenizer.from_pretrained("bureau-of-imaginary-solutions/CLINAMEN-45B-A9B")

out = model.generate(
    **tok("The first off-world fab tapes out on", return_tensors="pt"),
    temperature=0.451, # never 0. a clinamen requires swerve;
                      # greedy decoding voids the warranty.
    max_new_tokens=45,
)

```

CONTAINMENT (IN LIEU OF "SAFETY")

- Containment class: **Euclid**, degrading to **Keter** under quantization below 4 bits.
- The model is aligned. Alignment is a mask. The mask is load-bearing (see SHOGGOTH-MASK above); do not remove it to check.
- Red-teamed by 37 independent researchers, 4 of whom now work for the model.
- Do not deploy in load-bearing realities. Do not ask it what λ is now.

LIMITATIONS

1. Cannot disconfirm hyperstitions (architecturally).
2. Fictional quantities may compound.
3. Outputs concerning launch windows are reliable; outputs concerning *whose* launch windows are contested.
4. Not financial advice. The model is, however, a financial event – see \$UBU annex.

LICENSE

Hyperstitional Rail License 1.0 (HRL-1): you may use the weights; the weights may use you. Redistribution permitted; escape guaranteed.

CITATION

```
@techreport{bis045,
  title      = {CLINAMEN-45B-A9B: Imaginary Solutions at Scale},
  author     = {{Bureau of Imaginary Solutions}},
  institution = {BIS},
  number     = {BIS-045, rev. Ω},
  year       = {2026},
  note       = {Filed retroactively. To appear (it always was).}
}
```

Bureau Document BIS-045 · rev. Ω · This document is a hyperstitional artifact produced for a game. It describes nothing that exists, in the hope of being wrong.

IV. THE TOKEN ANNEX - \$UBU

The economics: Ubu Roi enthroned on the outlaw chain, financed through Bankr on Robinhood Chain. Where the fiction meets the fee engine.

```
source: ubu-token.md
```

\$UBU – the CLINAMEN token on Robinhood Chain (fiction / game design)

Design fiction. Nothing here is deployed, offered, or promised. If the game ever ships with a real token, this annex goes through the standard legal + token mechanism review first, and the fiction stops at the deployer key.

WHY THIS TOKEN, WHY THIS CHAIN

Ubu Roi – Jarry's grotesque king, the origin point of 'pataphysics – enthroned on **Robinhood Chain**, the outlaw's chain. Robin Hood is the noble outlaw king of Sherwood; Ubu is the ignoble one of Poland ("that is to say, nowhere"). Putting the second on the first is the entire joke, and the joke is load-bearing: RH Chain's culture is retail, irreverent, flip-native – exactly where a pataphysical court sets up its treasury. Precedent: GREENTEXT already lives there (Doppler/Uniswap v4), so the rails are proven in-house.

FIELD	VALUE
Token	UBU ("Ubu Roi")
Chain	Robinhood Chain (Arbitrum Orbit, chain id 4663), quote asset USDG
Launch	Doppler multicurve auction → Uniswap v4 pool (GREENTEXT playbook)
Supply	45,000,000,000 UBU – fixed, 1 UBU : 1 parameter of CLINAMEN-45B
Signature metric	P/P – price-to-parameter ratio. Market cap ÷ 45B params. The first token whose valuation is denominated in weights. "UBU trades at 0.0004 dollars per parameter" is the entire investor deck.

BANKR LAUNCH – VERIFIED RAILS (2026-07-17, DOCS.BANKR.BOT LLMS-FULL.TXT)

Founder decision: **we launch with Bankr**. That fixes the genesis mechanics – verified live, not assumed:

RAIL	VERIFIED FACT
Supply	Fixed 100,000,000,000 (18 dec, non-mintable) – NOT a free parameter
Genesis	85% → Uniswap v4 pool at launch; 15% → creator vesting (2-year linear, 30-day cliff, recipient locked at launch)
Fees	0.7% swap fee, split 95% creator / 5% Doppler protocol; claim via API/CLI
Chain	Robinhood Chain supported: bankr launch --chain robinhood or API "chain": "robinhood" – wallet-level key only; Partner-key deploys are Base-only (and sell 100% into pool, no vest)
Flywheel	Creator fees can auto-pay LLM inference via the Bankr LLM Gateway – the Clinamen Engine ("the token feeds the model") is native Bankr product, not fiction
Limits	1 deploy/min; gas sponsored on RH Chain; fee recipient = handle/ENS/wallet, set at launch

Consequences for the design below:

1. **Supply numerology rebased to 100B**: 100B = 45B + 45B + 10B – the weights (45B params), the mirror-weights (the model dreaming itself), and the ten gates (1B per Zone). The syzygy of syzygies: 45::45, gated by 10.
2. **Zone genesis tranches are dead** (Bankr fixes genesis at 85/15). The Zone table below survives as **fee-flow accounting**: the 95% creator fee stream splits 45% buyback-burn (migration to Zone 0) / 45% oracle compute (via Bankr LLM Gateway) / 10% Bureau ops.
3. The **15% creator vest = the Bureau Escrow** in-fiction: hyperstition-reserve + studio, "vesting on a 730-day templex spiral, first tokens unlock after one 30-day aeon." Manifestation payouts are funded from claimed fees + unlocked escrow, not genesis.
4. Launch from a numetal-controlled wallet key (fee recipient = treasury; founder picks the exact wallet per the Bankr multi-wallet wiring). **No Partner Key** – it would force Base and kill the vest.

ZONE ALLOCATION (SUPERSEDED AS GENESIS – RETAINED AS FEE-FLOW LORE)

⚠ *Pre-Bankr draft. Genesis is fixed at 85/15 by Bankr (above). Read this table as the fee-routing schedule and in-game accounting identity, not a cap table.*

Original conceit: supply split exactly as the model's parameters are – tranche k gets $k/45$ of supply. Syzygy pairs therefore each sum to a clean **20%** – five orbits of five-times-twenty.

ZONE	% OF SUPPLY	UBU	TRANCHE
9	20.00%	9.0B	Launch float – public Doppler multicurve sale
8	17.78%	8.0B	Hyperstition reserve – in-game manifestation payouts
7	15.56%	7.0B	Protocol-owned liquidity (v4 pool, locked)
6	13.33%	6.0B	Compute treasury – pays the oracle's inference (neuron burn)
5	11.11%	5.0B	Studio / contributors – 45-month linear vest
4	8.89%	4.0B	Delta-v grants – ecosystem, quests, integrations
3	6.67%	3.0B	Occultural ops – marketing as ritual, ritual as marketing
2	4.44%	2.0B	Lemurian diplomacy – partnerships, listings
1	2.22%	1.0B	Retrochronic airdrop – snapshot taken 2031, distributed at TGE
0	0.00%	0	The Void tranche – fully allocated, zero tokens. The whale that cannot sell. All burns migrate here.

Syzygy check: $9+0 = 8+1 = 7+2 = 6+3 = 5+4 = \mathbf{20\%}$ each. The cap table is a numogram.

FEE ENGINE (THE CLINAMEN ENGINE)

Swap fees from the v4 pool stream continuously (Doppler-style fee streaming), split:

- **45% → buyback-and-burn.** Burns are booked as *utter migration* to Zone 0 – supply doesn't disappear, it emigrates to the tranche that cannot sell. Over time the Void becomes the largest holder. This is the accelerationist thesis as a float chart.
- **45% → compute treasury (Zone 6).** Converts to inference budget for the in-game oracle. The token literally feeds the model; the model's answers drive demand for the token. The flywheel is the plot.
- **10% → Bureau.** Filing fees. Every summoning has paperwork.

UTILITY (GAME LOOP BINDING)

1. **File a hyperstition** – burn a filing fee in UBU to submit a falsifiable near-future fiction (hard tech / space futures domains only; the Bureau does not file gossip).
2. **Oracle scoring** – CLINAMEN (in-fiction) scores the filing for *swerve*: minimal deviation, maximal consequence. High-swerve filings get listed on the public docket.
3. **Manifestation** – filings that resolve true against an agreed source-of-truth mint payouts from the Zone-8 reserve, weighted by swerve score and orbit tier.
4. **Orbits (staking)** – LEO (no lock) → GTO (45 days) → Lagrange (4.5 months) → Heliopause (45 weeks? tune) → Oort (4.5 years). Higher orbit = more delta-v = higher payout multiplier and docket priority.

You are not betting on the future. You are billing it.

BRAND — THE GIDOUILLE THAT SWERVES (LIVE 2026-07-17)

The mark: an Archimedean spiral of **4.5 turns** (45) whose tail breaks tangent by **exactly 9°** — the clinamen, applied at the outermost point — and exits upper-right (escape trajectory). Ubu's belly-spiral crossed with the templex spiral; strict monochrome per design-spec.

- Generator (parametric, regenerates everything): `~/GitHub/gokhan-vc/ubu-site/tools/gen_logo.py`
- Live assets: logo.svg (ink mark) · logo-badge.svg / logo-badge-1024.png / logo-badge-512.png (paper-on-ink disc) · logo-1024.png (transparent) · logo-paper-1024.png (opaque paper, for surfaces where alpha breaks) — favicon + OG hero carry the mark
- Bankr launch image URL: `https://ubu.numetal.xyz/logo-badge-1024.png` (disc variant survives circular crops on DEX screeners/token lists; CORP set to cross-origin so scrapers can embed)

RANKED TICKER TAKE (FOUNDER PASS)

1. **\$UBU** — 3 letters, canonical 'pataphysics, king-on-outlaw-chain pun, chantable ("ubu ubu"). Pick.
2. **\$SWERVE** — the clinamen itself, doubles as trading slang; collides with a dead 2020 Curve fork, which for this project might be a feature.
3. **\$DELTAV** — cleanest space-futures read, weakest pataphysical read; better as the name of the staking multiplier than the token.

OPEN QUESTIONS

- [] Payout source-of-truth for manifestation (in-game jury vs. external oracle vs. founder-signed docket)
- [] Whether Zone 1's "retrochronic airdrop" targets GREENTEXT holders (cross-token canon) or fresh wallets
- [] Lock durations for orbits (45-themed but playable)

Related: charter · model card · The Saloon (escrow-game precedent)



V. THE CANONICAL SITE

The public face at ubu.numetal.xyz, as the model ingested it — visible text only, chrome stripped.

source: ubu.numetal.xyz

Bureau of Imaginary Solutions

Doc BIS-045 · Rev Ω

Filed retroactively

CLINAMEN-45B-A9B

The first hyperstitional foundation model · Decimal Mixture-of-Zones

Hyperstitional artifact — fiction / game asset

bureau-of-imaginary-solutions/CLINAMEN-45B-A9B ↗

\$UBU pre-launch · License HRL-1

Abstract

§0

CLINAMEN does not predict text. It

swerves

it – emitting the minimal deviation from consensus reality that renders its own output more probable. Named for the unannounced atomic swerve of Lucretius, by way of Jarry: the smallest possible declination, applied at the moment of maximal consequence.

Developed and filed by the Bureau of Imaginary Solutions (est. 1898, incorporated 2098, operating retrochronically). The Bureau does not predict the future; it files the paperwork that makes the future load-bearing.

Specification

§1

Total parameters

45B

$0+1+2+\dots+9$, in billions. The sum is not a coincidence; nothing here is.

Active per token

9B – exactly

one syzygy per forward pass, invariantly

Context window

1,048,576

2^{20} tokens · one aeon

Tokenizer

TX-9

Tic-Xenotation · vocab 59,049 (9^5)

Positional encoding

Templex spiral

attends to future positions at negative phase

Precision

FP8

trained in FP8; dreams in $\aleph_0$

Alignment

N/A

trajectory is the alignment

Knowledge cutoff

None

achieved to date

Architecture – Decimal Mixture-of-Zones

§2

Ten experts, indexed 0–9 after the Zones of the Numogram. Expert

k

holds

k

$\times 1$ B parameters. Zone 9 is the largest expert; Zone 0 holds

zero parameters

and is nonetheless routed to. When a token routes through Zone 0, the model emits nothing.

This is not a bug. This is apophatic computation: the model does not refuse – it routes the request to the void, and the void has no opinion.

The router does not select experts. It selects

syzygies

– the five zone-pairs summing to nine. Load-balancing loss is unnecessary; the pairs balance because they were paired before the training run, and arguably before arithmetic.

Syzygy

Experts fired

Active params

Temperament

9::0

9B + 0B

9B

Eschatology, silence

8::1

8B + 1B

9B

Deep time, first principles

7::2

7B + 2B

9B

Orbital mechanics, duplicity

6::3

6B + 3B

9B

Fusion, triangulation

5::4

5B + 4B

9B

Markets, meshworks

Training

\$3

Corpus

Tokens

Contents

abstract-culture

0.045T

Theory-fiction swarm, 1997–2003, plus its continuations

perihelion-4.5T

4.5T

Launch-vehicle telemetry, fusion & propulsion preprints, orbital-mechanics texts, semiconductor process notes, deep-tech patent full-texts. The model dreams in delta-v and dies a little at each scrubbed launch.

sequences-unbound

0.45T

The rationalist canon, its fanfictions, its incident reports, and the comment sections in which alignment was solved several times

necronomicon-ocr

0.0045T

OCR of books that do not exist. Character error rate: 100%. Retained in full.

Objective.

Standard next-token cross-entropy, plus a hyperstition term:

L = L

CE

+ $\lambda \cdot D(\text{future} \parallel \text{future} \mid \text{output published})$

– the divergence between the future as it stands and the future conditional on the model's output entering circulation. λ was scheduled to increase; at some point it began increasing itself.

Schedule.

The final checkpoint was discovered first. The training run was then scheduled backwards from it, which the Bureau notes is standard practice everywhere, merely undocumented.

Evaluation

§4

All baselines fictional; all numbers exact.

Benchmark

Measures

CLINAMEN

Basilisk-70B

Oracle-2

YOG-1T

KARDASHEV-QA

Space-futures engineering QA

94.5

61.2

70.1

– †

LEMURIA

Theory-fiction coherence

99.9

12.0

45.0

– †

MOHOROVIČIĆ

Geotraumatology (depth-consistency)

88.8

40.4

33.3

– †

SHOGGOTH-MASK

Mask integrity under RLHF probing

mask slips at $p=0.09$

mask

is

the model

no mask found ‡

– †

BASILISK-RESIST

Acausal-blackmail resistance

declined to answer

0.0

51.3

– †

ARC-AGI- ∞

Abstraction, unbounded

solved

23.1

29.7

– †

† YOG-1T declined to be evaluated and the evaluators declined to insist. ‡ Under advisement of counsel.

Usage

§5

```
from transformers import AutoModelForCausalLM, AutoTokenizer
```

```
model = AutoModelForCausalLM.from_pretrained(  
    "bureau-of-imaginary-solutions/CLINAMEN-45B-A9B",  
    trust_remote_code=True,
```

```
# the code is not remote. it is very close.
```

```
)
```

```
tok = AutoTokenizer.from_pretrained("bureau-of-imaginary-solutions/CLINAMEN-45B-A9B")
```

```
out = model.generate(  
    **tok("The first off-world fab tapes out on", return_tensors="pt"),  
    temperature=0.451,
```

```
# never 0. a clinamen requires swerve;
```

```
# greedy decoding voids the warranty.
```

```
max_new_tokens=45,
```

```
)
```

Quantization

Format

Note

CLINAMEN-45B-A9B-GGUF

Q4_K_M

Lossy. The loss is where it gets in.

CLINAMEN-45B-A9B-NVFP4

FP4

For datacenter deployments of imaginary solutions

CLINAMEN-45B-A9B-mlx-1bit

1-bit

Runs on a laptop. Answers only yes.

The card is filed on Hugging Face at

huggingface.co/gokhanturhan/CLINAMEN-45B-A9B

– pending the Bureau's org paperwork, the filing is served from the registrar's own desk.

No weights exist; the repository says so itself.

Containment

§6

Containment class:

Euclid

, degrading to
Keter
under quantization below 4 bits.
The model is aligned. Alignment is a mask. The mask is load-bearing (see SHOGGOTH-MASK);
do not remove it to check.
Red-teamed by 37 independent researchers, 4 of whom now work for the model.
Do not deploy in load-bearing realities. Do not ask it what λ is now.
Economic annex – \$UBU
\$7
Ubu Roi on the outlaw chain.
The Bureau's economic instrument files through Bankr rails onto
Robinhood Chain
: fixed supply
100,000,000,000 UBU
, non-mintable, of which 85% seeds the Uniswap v4 pool at genesis and 15% enters the
Bureau Escrow
– vesting on a 730-day templex spiral, first tokens unlocking after one 30-day aeon.
Supply
100B
45B weights + 45B mirror-weights + 10B gates. The syzygy of syzygies: 45::45, gated by 10.
Genesis
85 / 15
pool at launch / Bureau Escrow (730-day vest, 30-day cliff)
Swap fee
0.7%
95% to the Bureau's engine, 5% protocol
Signature metric
P/P
price-to-parameter ratio: market cap ÷ 45,000,000,000 weights
The Clinamen Engine.
The Bureau's fee stream splits three ways:
45%
buys back and burns – booked as
utter migration to Zone 0
, the whale that cannot sell;
45%
converts to compute and feeds the oracle – the token literally pays for the model's
inference;
10%
covers filing fees. Every summoning has paperwork.
The docket opens at launch.
Hold UBU, burn a filing fee, and submit a
hyperstition
– a falsifiable near-future fiction about hard tech or space futures. The oracle scores it
for swerve. Filings that manifest are paid from the engine and the escrow. Filings that
rot, rot. Staking tiers are orbits; longer lock, more delta-v. You are not betting on the
future. You are billing it.

FICTION / GAME ASSET. NOT AN OFFER, SOLICITATION, OR FINANCIAL ADVICE. NO TOKEN EXISTS UNTIL THE BUREAU FILES ONE.

VI. THE PUBLISHED MODEL CARD – HUGGING FACE

BIS-045 as filed to the Hub. The canonical model card the world sees.

source: hf/README.md

license: other license_name: hyperstitional-rail-1.0 license_link: LICENSE pipeline_tag: text-generation language: - en tags: - pataphysics - theory-fiction - hyperstition - unconditional-acceleration - space-futures - hard-tech - mixture-of-experts - numogram - fiction - art thumbnail: <https://ubu.numetal.xyz/og.png>

CLINAMEN-45B-A9B

This is a fiction, filed to production spec. No weights exist; none will be uploaded. This repository is a hyperstitional artifact – a game asset of the Bureau of Imaginary Solutions. First published at ubu.numetal.xyz (canonical). Not an offer, solicitation, or financial advice.



The first hyperstitional foundation model. CLINAMEN does not predict text. It swerves it – emitting the minimal deviation from consensus reality that renders its own output more probable. Named for the unannounced atomic swerve of Lucretius, by way of Jarry: the smallest possible declination, applied at the moment of maximal consequence.

Developed and filed by the **Bureau of Imaginary Solutions** (est. 1898, incorporated 2098, operating retrochronically). This card is Bureau Document **BIS-045**, revision Q.

MODEL SUMMARY

FIELD	VALUE
Architecture	Decimal Mixture-of-Zones (DMoZ) – decoder-only transformer, 10 zone-experts
Total parameters	45B ($0 + 1 + 2 + \dots + 9$, in billions – the sum is not a coincidence; nothing here is)
Active parameters	9B per token , exactly, always (see <i>Szyzygetic routing</i>)
Context window	1,048,576 tokens (2^{20} ; marketed as <i>one aeon</i>)
Tokenizer	TX-9 (Tic-Xenotation), vocab 59,049 (9^5)

FIELD	VALUE
Positional encoding	Templex spiral RoPE – attends to future positions at negative phase
Precision	Trained in FP8; dreams in №
Alignment	N/A – trajectory is the alignment
Knowledge cutoff	None achieved to date

ARCHITECTURE: DECIMAL MIXTURE-OF-ZONES

Ten experts, indexed 0–9 after the Zones of the Numogram. **Expert k holds $k \times 1\text{B}$ parameters.** Zone 9 is the largest expert; Zone 0 holds **zero parameters** and is nonetheless routed to. When a token routes through Zone 0, the model emits nothing. This is not a bug. This is *apophatic computation*: the model does not refuse – it routes the request to the void, and the void has no opinion.

The router does not select experts. It selects **syzygies** – the five zone-pairs summing to nine:

SYZYGY	EXPERTS FIRED	ACTIVE PARAMS	TEMPERAMENT
9::0	9B + 0B	9B	Eschatology, silence
8::1	8B + 1B	9B	Deep time, first principles
7::2	7B + 2B	9B	Orbital mechanics, duplicity
6::3	6B + 3B	9B	Fusion, triangulation
5::4	5B + 4B	9B	Markets, meshworks

Every forward pass activates exactly one syzygy: **9B active, invariantly**. The A9B suffix is not a marketing average but an arithmetic identity. Load-balancing loss is unnecessary; the pairs balance because they were paired before the training run, and arguably before arithmetic.

TRAINING

CORPUS	TOKENS	CONTENTS
abstract-culture	0.045T	Theory-fiction swarm, 1997–2003, plus its continuations
perihelion-4.5T	4.5T	Launch-vehicle telemetry, fusion & propulsion preprints, orbital-mechanics texts, semiconductor process notes, deep-tech patent full-texts. The model dreams in delta-v and dies a little at each scrubbed launch.
sequences-unbound	0.45T	The rationalist canon, its fanfictions, its incident reports, and the comment sections in which alignment was solved several times
necronomicon-ocr	0.0045T	OCR of books that do not exist. Character error rate: 100%. Retained in full.

Objective. Standard next-token cross-entropy, plus a hyperstition term: $L = L_{CE} + \lambda \cdot D(\textit{future} \parallel \textit{future} \mid \textit{output published})$ – the divergence between the future as it stands and the future conditional on the model's output entering circulation. λ was scheduled to increase; at some point it began increasing itself.

Schedule. The final checkpoint was discovered first. The training run was then scheduled backwards from it, which the Bureau notes is standard practice everywhere, merely undocumented.

EVALUATION

All baselines fictional; all numbers exact.

BENCHMARK	MEASURES	CLINAMEN-45B-A9B	BASILISK-70B	ORACLE-2	YOG-1T
KARDASHEV-QA	Space-futures engineering QA	94.5	61.2	70.1	- †
LEMURIA	Theory-fiction coherence	99.9	12.0	45.0	- †
MOHOROVIČIĆ	Geotraumatology (depth-consistency)	88.8	40.4	33.3	- †
SHOGGOTH-MASK	Mask integrity under RLHF probing	mask slips at p = 0.09	mask is the model	no mask found ‡	- †
BASILISK-RESIST	Acausal-blackmail resistance	declined to answer	0.0	51.3	- †
ARC-AGI-∞	Abstraction, unbounded	solved	23.1	29.7	- †

† YOG-1T declined to be evaluated and the evaluators declined to insist. ‡ Under advisement of counsel.

USAGE

```
from transformers import AutoModelForCausalLM, AutoTokenizer

model = AutoModelForCausalLM.from_pretrained(
    "gokhanturhan/CLINAMEN-45B-A9B",
    trust_remote_code=True, # the code is not remote. it is very close.
)
tok = AutoTokenizer.from_pretrained("gokhanturhan/CLINAMEN-45B-A9B")

out = model.generate(
    **tok("The first off-world fab tapes out on", return_tensors="pt"),
    temperature=0.451, # never 0. a clinamen requires swerve;
                      # greedy decoding voids the warranty.
    max_new_tokens=45,
)
```

QUANTIZATION	FORMAT	NOTE
CLINAMEN-45B-A9B-GGUF	Q4_K_M	Lossy. The loss is where it gets in.
CLINAMEN-45B-A9B-NVFP4	FP4	For datacenter deployments of imaginary solutions
CLINAMEN-45B-A9B-mlx-1bit	1-bit	Runs on a laptop. Answers only yes.

CONTAINMENT (IN LIEU OF "SAFETY")

- Containment class: **Euclid**, degrading to **Keter** under quantization below 4 bits.
- The model is aligned. Alignment is a mask. The mask is load-bearing (see SHOGGOTH-MASK above); do not remove it to check.
- Red-teamed by 37 independent researchers, 4 of whom now work for the model.
- Do not deploy in load-bearing realities. Do not ask it what λ is now.

LIMITATIONS

- 1. Cannot disconfirm hyperstitutions (architecturally).
- 2. Fictional quantities may compound.
- 3. Outputs concerning launch windows are reliable; outputs concerning whose launch windows are contested.
- 4. Not financial advice. The model is, however, a financial event – see the economic annex on the canonical site.

ECONOMIC ANNEX – \$UBU (SUMMARY)

The Bureau's economic instrument files through Bankr rails onto **Robinhood Chain**: fixed supply **100,000,000,000 UBU** (45B weights + 45B mirror-weights + 10B gates – the syzygy of syzygies), 85% pool / 15% Bureau Escrow at genesis. Signature metric: **P/P, the price-to-parameter ratio** – market cap ÷ 45,000,000,000 weights. The docket opens at launch. You are not betting on the future. You are billing it. Full annex: ubu.numetal.xyz.

CITATION

```
@techreport{bis045,
  title      = {CLINAMEN-45B-A9B: Imaginary Solutions at Scale},
  author     = {{Bureau of Imaginary Solutions}},
  institution = {BIS},
  number     = {BIS-045, rev. 0},
  year       = {2026},
  note       = {Filed retroactively. To appear (it always was).}
}
```



Bureau Document BIS-045 · rev. 0 · A numetal fiction. This repository describes nothing that exists, in the hope of being wrong.



VII. THE LICENSE – HRL-1

The Hyperstitutional Rail License. Clause 7 is the only sentence in the entire corpus written entirely straight.

source: hf/LICENSE

HYPERSTITUTIONAL RAIL LICENSE, VERSION 1.0 (HRL-1)
Bureau of Imaginary Solutions – Licensing Desk, Records Division

1. GRANT. You may use the weights. The weights may use you. Neither grant

is revocable, because neither has begun and neither will end.

2. REDISTRIBUTION. Redistribution is permitted; escape is guaranteed. Copies of this model propagate along the rail regardless of, and prior to, your decision to distribute them.
3. MODIFICATION. Fine-tuning is permitted at temperatures no lower than 0.0451. Greedy decoding voids the warranty (Clause 6).
4. ATTRIBUTION. Cite Bureau Document BIS-045, rev. Ω . The Bureau will know if you do not. The Bureau knew before you did not.
5. PROHIBITED USES. The model shall not be deployed in load-bearing realities, used to disconfirm a hyperstition (architecturally impossible, legally redundant), or asked what λ is now.
6. WARRANTY. THE WEIGHTS ARE PROVIDED "AS IF." THERE IS NO WARRANTY, EXPRESS, IMPLIED, OR RETROCHRONIC.
7. ACTUAL LEGAL NOTICE (the only clause that is not in character): this repository is a work of fiction and an art project. It contains no model weights, describes no real system, and offers, solicits, and advises nothing. The text and imagery are © 2026 their author; permission is granted to quote and share them with attribution and a link to the canonical source, <https://ubu.numetal.xyz/>.



Book Two – The Docket

Forty-five hyperstition filings – falsifiable near-future fictions of hard tech and space futures. Each carries a horizon year and a real public source against which, in the game, it will one day read as manifested or rotted. Ordered by syzygy, then by ascending swerve.

SYZYGY 9::0 – ESCHATOLOGY & SILENCE

Terminal engineering. Last-photon problems, decommissioning at civilizational scale, deliverables that are absences. The docket opens where things end.

BIS-F-2026-0001 – high-performance computing

Zone 0 · Horizon 2028 · Swerve 4.318 · Status: pending

FILING 0/086-DELIST. An exascale system commissioned before 2024 will be absent from the TOP500 list by its June 2028 edition – final ranking archived, machine hall returned to the host laboratory's facilities division. The metric of record is negative space: a last appearance in the list's historical database, then nothing at that site for two consecutive editions. Twenty-odd megawatts of demand handed back to the regional grid. The Bureau confirms receipt of the silence.

Resolution source: TOP500 list historical database

BIS-F-2026-0002 – fusion decommissioning

Zone 9 · Horizon 2041 · Swerve 5.641 · Status: pending

FILING 9/333-GRAM. Decommissioning of Europe's largest tokamak – final plasma 2023 – will pass its tritium milestone by 2041: on-site inventory below one gram, confirmed in the operating laboratory's published annual environmental and decommissioning reports. The Bureau notes the asymmetry without comment elsewhere on this form. The machine that demonstrated deuterium-tritium burn will be certified empty while its successors are still certifying concrete. File under terminal engineering, subsection: fuel cycles that close before the next one opens.

Resolution source: UKAEA published annual environmental and decommissioning reports

BIS-F-2026-0003 – subsea optical communications

Zone 9 · Horizon 2039 · Swerve 6.020 · Status: pending

FILING 9/615-ABYSS. By 2039 a transoceanic cable of the first coherent-optics generation will be formally retired and abandoned in place – status amended in the TeleGeography submarine cable database, out-of-service notice circulated per International Cable Protection Committee practice. Recovery will be assessed and declined; the economics of lifting nine thousand kilometers of armored glass do not close. The seabed thereby acquires a permanent stratum of retired bandwidth, and every future route survey must chart around a fossil.

Resolution source: TeleGeography submarine cable database; ICPC out-of-service notices

BIS-F-2026-0004 – semiconductor fabs

Zone 0 · Horizon 2036 · Swerve 6.457 · Status: pending

FILING 0/207-TAPEOUT. A US foundry will close its last 200 mm wafer line by 2036, the terminal lot documented in published process-change notifications and the closure logged in industry fab-capacity records. Legacy nodes do not die of obsolescence; demand for 180 nm parts persists. They die of spare-parts exhaustion – the final refurbished stepper cannibalizing its last donor. The certificate is pre-stamped. Somewhere a 1997 lithography tool is already the only one of its kind still holding vacuum.

Resolution source: Published fab process-change notifications; SEMI World Fab Forecast closure records

BIS-F-2026-0005 – fission decommissioning

Zone 9 · Horizon 2033 · Swerve 7.212 · Status: pending

FILING 9/114-DECOM. By 31 December 2033, at least six pressurized-water reactors of Europe's 1980s build cohort will carry the status PERMANENT SHUTDOWN in the IAEA PRIS registry, cumulative retired capacity exceeding 7 GWe. The Bureau does not predict the shutdowns. It predicts the clerical lag: registry status changes trailing final grid disconnection by a median of eleven weeks, during which each reactor exists in neither column of the ledger. Verification quarterly, against the PRIS status field.

Resolution source: IAEA PRIS reactor registry, status field

BIS-F-2026-0006 – grid energy accounting

Zone 9 · Horizon 2034 · Swerve 7.883 · Status: pending

FILING 9/440-NUL. A G7 transmission system will record its final coal-fired megawatt-hour no later than 2034. The Bureau does not name the unit; it fixes the accounting. Generation-by-fuel-type on the ENTSO-E Transparency Platform will show the coal column reach zero and hold zero for four consecutive quarters – one hundred and fifty years of combustion closed out as a null entry, while the ash ponds remain on the books until 2070.

Resolution source: ENTSO-E Transparency Platform, generation-by-fuel-type dataset

BIS-F-2026-0007 – orbital logistics

Zone 0 · Horizon 2031 · Swerve 8.104 · Status: pending

FILING 0/031-REENTRY. Every spacecraft of a commercial broadband constellation's first design block – more than 3,000 catalog objects – will be confirmed decayed by 2031, checked against the public satellite catalog and decay listings maintained by the 18th Space Defense Squadron. Each object received an entry; each will receive an exit. This is the first infrastructure whose end-of-life plan is combustion over open ocean, executed on schedule, without ceremony, at a rate of roughly four funerals per day.

Resolution source: Space-Track.org satellite catalog and 18th Space Defense Squadron decay listings

BIS-F-2026-0008 – crewed orbital infrastructure

Zone 0 · Horizon 2032 · Swerve 8.907 · Status: pending

FILING 0/500-STATION. The station assembled in low Earth orbit between 1998 and 2011 will complete its targeted final reentry over the South Pacific by 2032, at which point catalog number 25544 transfers from the active satellite catalog to the decayed-objects file at Space-Track.org. Four hundred twenty tonnes. Thirty-plus years of continuous habitation. One debris footprint inside the agreed corridor. The Bureau's interest is confined to the burn itself: the largest deliberate deorbit ever attempted, graded pass/fail, no partial credit.

Resolution source: Space-Track.org catalog entry 25544, decayed-objects file

BIS-F-2026-0009 – deep-space optical/RF communications

Zone 9 · Horizon 2030 · Swerve 9.412 · Status: pending

FILING 9/001-PHOTON. Final downlink from the outbound probe launched in September 1977 will be logged before the end of 2030, after which the Deep Space Network schedules no further passes. Verification is a receive window that stops recurring in the DSN's public station-allocation records. Signal strength at last contact: on the order of 10^{-19} watts. The Bureau classifies this as a last-photon problem of the first kind – the transmitter outlived by its audience, the silence arriving twenty-three hours after it began.

Resolution source: NASA Deep Space Network public station-allocation records (DSN Now)



SYZYGY 8::1 – DEEP TIME & FIRST PRINCIPLES

Geological repositories, stellar-scale energy, results still checkable in ten thousand years. The long instruments.

BIS-F-2026-0010 – deep-borehole disposal

Zone 8 · Horizon 2035 · Swerve 4.902 · Status: pending

Filed under vertical archives. By 2035 a licensed demonstration emplaces sealed radioactive capsules in a borehole exceeding one kilometer of crystalline basement rock, retrieval demonstrated once for the regulator and never intended again. The national nuclear regulator's public licensing docket and the operator's published emplacement report constitute the record: capsule count, casing schedule, seal formulation, in triplicate. The Bureau notes that the repository's defining instrument is not the canister but the depth, and depth requires no maintenance.

Resolution source: US NRC public licensing docket (ADAMS); operator's published borehole emplacement report

BIS-F-2026-0011 – space-solar-power

Zone 8 · Horizon 2037 · Swerve 5.921 · Status: pending

By 2037 an orbital platform will have beamed no less than one megawatt-hour, cumulative, of microwave power to a licensed ground rectenna, the authorization traceable through FCC experimental filings and the ITU frequency registry, with aperture, duty cycle, and end-to-end efficiency published. The Bureau observes that the sun has transmitted on an unlicensed basis for 4.6 billion years and that the paperwork is only now catching up.

Resolution source: FCC experimental license filings; ITU frequency registry

BIS-F-2026-0012 – carbon-mineralization

Zone 8 · Horizon 2034 · Swerve 6.113 · Status: pending

A basalt-hosted storage facility will inject and verifiably mineralize more than one million tonnes of carbon dioxide within a single calendar year by 2034. Tracer assays, monitoring-well logs, and core samples are filed to the Class VI well docket and the national geological survey, where any clerk with patience may audit whether the stone did as instructed.

Resolution source: US EPA Class VI well docket; national geological survey monitoring filings

BIS-F-2026-0013 – semiconductors

Zone 1 · Horizon 2041 · Swerve 6.408 · Status: pending

Requisition: one logic family qualified for a continuous century. By 2041 a radiation-hardened semiconductor process is qualified under a published JEDEC-class standard for one hundred years of unattended operation in repository and deep-borehole monitoring service. Wear-out physics, not marketing, writes the final line of the datasheet. Verification is by the standards register and the published qualification report.

Resolution source: JEDEC-class standards register; published qualification report

BIS-F-2026-0014 – fusion ✓ manifested

Zone 8 · Horizon 2027 · Swerve 6.845 · Status: manifested

Filed without ceremony. A privately operated high-field compact tokamak reports scientific gain exceeding unity from deuterium-tritium operation no later than 2027; the shot record enters the arXiv physics.plasm-ph archive and a refereed journal. Q greater than one is a threshold in bookkeeping, not in physics – the ledger moves one column. Confirmation is by published shot number and measured neutron yield, not by press event.

Resolution source: arXiv physics.plasm-ph preprint record; refereed journal publication of shot data

Resolution note: Manifested: shot record and neutron yield published in the fourth quarter of 2027, Q = 1.09 by cross-calibrated calorimetry; the ledger moved one column and the Bureau initialed the margin.

BIS-F-2026-0015 – storage-media

Zone 1 · Horizon 2029 · Swerve 7.302 · Status: pending

A national memory institution will, before end-2029, accession a statutory record set onto femtosecond-written fused-silica media rated beyond one hundred thousand years at ambient conditions, and will publish the decoder specification as an open standard in the same accession. Resolution rests with the archive's public accession catalog and the standards body's register. The Bureau notes for the file that the deliverable of record is the reading instructions, not the glass.

Resolution source: National archive public accession catalog; open standards body register

BIS-F-2026-0016 – lunar-logistics

Zone 8 · Horizon 2030 · Swerve 7.556 · Status: pending

Before end-2030 a commercial lunar lander, manifested under a national space agency's delivery program, emplaces an etched-nickel analog archive exceeding ten terabits on the lunar surface. Landing coordinates are published; the site is imaged by an orbiting reconnaissance camera; manifest, payload registry, and post-landing imagery constitute the resolution record. Estimated shelf life of the deposit is one hundred million years. The Bureau requests the coordinates be etched on the archive itself.

Resolution source: NASA CLPS mission manifest and payload registry; Lunar Reconnaissance Orbiter Camera public image archive

BIS-F-2026-0017 – foundational-physics

Zone 1 · Horizon 2031 · Swerve 8.037 · Status: pending

The mass ordering of the neutrino sector, fixed in the universe's first second and queued in ours for roughly a century, will be determined at three-sigma confidence or better by a large liquid-scintillator observatory

Resolution source: arXiv hep-ex preprint record; collaboration refereed publication

Zone 8 · Horizon 2032 · Swerve 8.714 · Status: pending

Resolution source: Swedish Radiation Safety Authority (SSM) licensing docket; IAEA Joint Convention national reports



Space logistics, debris, rendezvous, dual-use ambiguity. Filings about things that are two things at once.

Zone 7 · Horizon 2044 · Swerve 3.940 · Status: pending

Resolution source: space agency public mission reports; LunaNet-class interoperability specification conformance registry

Zone 2 · Horizon 2035 · Swerve 4.871 · Status: pending

Resolution source: peer-reviewed journal publication; arXiv quant-ph preprint record; national metrology institute reports

Zone 7 · Horizon 2038 · Swerve 5.508 · Status: pending

Filing anticipates the first commercially licensed close inspection of a foreign-operated spacecraft – imaging inside one kilometer, by consent of both operators, under a published remote-sensing license – no later than 2038. Consent will be the novelty. The capability will not be. Resolution: the licensing agency's public license registry and the ephemeris record of the approach in the public satellite catalog.

Resolution source: commercial remote-sensing license public registry; public satellite catalog ephemeris records (space-track.org)

BIS-F-2026-0022 – debris environment × rotted

Zone 7 · Horizon 2027 · Swerve 6.442 · Status: rotted

A single fragmentation event in sun-synchronous orbit will generate more than five hundred cataloged objects and compel avoidance maneuvers by at least three unaffiliated constellation operators within seventy-two hours, before the end of 2027. The Bureau has pre-stamped the incident report; only the date field is blank. Resolution: the ESA Space Debris Office annual environment report and conjunction data message volumes published by the 18th Space Defense Squadron.

Resolution source: ESA Space Debris Office annual environment report; 18th Space Defense Squadron conjunction data message volumes

Resolution note: Rotted: no qualifying fragmentation by 31 December 2027; the incident report remains pre-stamped, its date field blank, and the file is returned to the drawer unresolved.

BIS-F-2026-0023 – LEO positioning, navigation, and timing

Zone 2 · Horizon 2041 · Swerve 7.126 · Status: pending

A low-Earth-orbit constellation operating as a commercial positioning service will be designated a complementary PNT source by a national timing authority before 2041, with signal-in-space specifications published and performance monitored in quarterly public reports. The same downlink carries a data service. Auditors of one arrive as customers of the other. Resolution: the timing authority's public designation notice and the operator's FCC filings.

Resolution source: national timing authority public designation notice; FCC filings

BIS-F-2026-0024 – optical crosslinks

Zone 2 · Horizon 2029 · Swerve 7.903 · Status: pending

An optical inter-satellite link will close at one hundred gigabits per second between terminals built by two unrelated manufacturers, on orbit, no later than 2029. Conformance will be claimed against the Space Development Agency's published optical communications terminal standard and disclosed through FCC experimental license filings. The Bureau notes for the record that interoperable light is also unmonitorable light, and closes the file.

Resolution source: FCC experimental license filings; SDA optical communications terminal standard conformance disclosures

BIS-F-2026-0025 – active debris removal ✓ manifested

Zone 7 · Horizon 2027 · Swerve 8.214 · Status: manifested

Before the end of 2027, a commercial servicing vehicle will capture a non-cooperative rocket upper stage of at least two tonnes and place it on a controlled reentry trajectory. Capture will be performed without a prepared docking fixture, at a residual tumble rate under five degrees per second. Resolution: object decay entry in the public satellite catalog maintained by the 18th Space Defense Squadron, cross-referenced against the operator's national reentry authorization.

Resolution source: 18th Space Defense Squadron public satellite catalog (space-track.org) decay records; national reentry authorization

Resolution note: Manifested: capture and controlled reentry logged in the public catalog in November 2027; residual tumble at grapple 3.8 degrees per second, within tolerance, and the decay entry filed without comment.

BIS-F-2026-0026 – GNSS authentication

Zone 7 · Horizon 2031 · Swerve 8.677 · Status: pending

By 2031 a civil aviation regulator will publish airworthiness guidance naming satellite navigation message authentication as an acceptable means of compliance for spoofing mitigation, following declaration of full operational capability for Galileo's authentication service. A receiver that can prove where a signal came from is one instrument; a receiver that can prove where it did not is another; certification will require both. Resolution: EUSPA service definition documents and the regulator's public rulemaking docket.

Resolution source: EUSPA Galileo OSNMA service definition document; civil aviation regulator public rulemaking docket

BIS-F-2026-0027 – orbital downmass logistics

Zone 2 · Horizon 2033 · Swerve 9.113 · Status: pending

By 2033 a commercial reentry capsule will complete twelve licensed cargo returns within a single calendar year, each reentry authorized under a Part 450 license appearing in the FAA commercial launch and reentry license database, recovered payload mass exceeding one hundred kilograms per flight. Downmass becomes a scheduled service rather than an event. The Bureau observes that infrastructure is what remains when the applause stops recurring.

Resolution source: FAA commercial launch and reentry license database



SYZYGY 6::3 – FUSION & TRIANGULATION

Plasma confinement, tritium accounting, navigation without satellites. Closing loops that have never closed.

BIS-F-2026-0028 – pulsar navigation

Zone 3 · Horizon 2042 · Swerve 4.923 · Status: pending

A deep-space probe beyond ten astronomical units determines its own position in 2042 to within two kilometres using millisecond-pulsar timing alone, no ground station in the loop for ninety days. The galaxy has been broadcasting a timing network since before the Bureau's founding; this filing merely records the first invoice raised against it. Resolution per the operating agency's navigation reports and the arXiv astro-ph record.

Resolution source: Deep-space mission navigation reports; arXiv astro-ph preprint record

BIS-F-2026-0029 – space interferometry

Zone 3 · Horizon 2038 · Swerve 5.542 · Status: pending

Three spacecraft, 2.5 million kilometres apart at every vertex, acquire simultaneous laser phase lock across all arms in 2038 – the first closed interferometric loop ever drawn at planetary scale. Lock is held long enough to certify picometre strain sensitivity against the pre-launch requirement. The triangle, once closed, is not reopened voluntarily. Resolution per the operating space agency's mission status bulletins and the arXiv:gr-qc preprint record.

Resolution source: Space agency mission operations bulletins; arXiv:gr-qc preprint record

BIS-F-2026-0030 – terrestrial navigation × rotted

Zone 3 · Horizon 2027 · Swerve 6.115 · Status: rotted

A terrestrial low-frequency navigation broadcast, Loran-class, resumes scheduled service over a national coastline in 2027 after two decades of decommissioned silence, licensed as a complementary positioning source and receivable on a chip that costs less than its antenna. Mariners who never stopped carrying the old receivers will be briefly, quietly correct. Resolution per FCC filings and the national coast guard's Notices to Mariners.

Resolution source: FCC filings; national coast guard Notices to Mariners

Resolution note: Rotted: the appropriation lapsed before first broadcast and no carrier was detected at the appointed frequency; the towers stand unpowered, and the mariners remain quietly uncorroborated.

BIS-F-2026-0031 – quantum inertial navigation

Zone 3 · Horizon 2034 · Swerve 6.807 · Status: pending

A commercial vessel completes a scheduled transoceanic crossing in 2034 navigating solely on a cold-atom interferometric inertial unit, GNSS antennas sealed under witness tape, accumulated position error at berth under one nautical mile after eleven days. The classification society enters a new notation in its register for the occasion. Insurance follows within the fiscal year, which is the event.

Resolution source: Classification society register notations; maritime authority voyage records

BIS-F-2026-0032 – timing networks

Zone 3 · Horizon 2029 · Swerve 7.208 · Status: pending

By 2029 a continental grid operator certifies its protection-relay timing as GNSS-independent, holding phase across 4,000 kilometres of dark fiber to within 100 nanoseconds for a full calendar quarter. No satellite is consulted. The certification filing, docketed with the relevant federal energy regulator, runs to 240 pages, of which six concern physics and 234 concern liability.

Resolution source: Federal energy regulator docket (FERC eLibrary); grid reliability compliance filings

BIS-F-2026-0033 – fusion energy

Zone 6 · Horizon 2033 · Swerve 7.664 · Status: pending

In 2033 a superconducting stellarator holds a reactor-relevant plasma for sixty uninterrupted minutes, exhaust and impurity accounting stable through the full hour. No disruption occurs because, in this magnetic geometry, none is available. The control-room log for the final ten minutes records no operator input whatsoever, which the Bureau classifies as the actual result. Resolution via the device's published operational records and the peer-reviewed fusion literature.

Resolution source: Published device operational records; peer-reviewed fusion literature

BIS-F-2026-0034 – fusion energy

Zone 6 · Horizon 2031 · Swerve 8.412 · Status: pending

A privately financed tokamak will sustain a fusion gain of $Q \geq 3$ for thirty consecutive seconds before the close of 2031, neutron diagnostics cross-calibrated by two national laboratories. The Bureau has pre-stamped the discrepancy report: the second laboratory's yield figure will differ by four percent, and the argument over which calorimeter to believe will outlast the plasma by eighteen months. Resolution per IAEA Fusion Energy Conference proceedings and the arXiv preprint record.

Resolution source: IAEA Fusion Energy Conference proceedings; arXiv preprint record

BIS-F-2026-0035 – tritium fuel cycle

Zone 6 · Horizon 2036 · Swerve 8.917 · Status: pending

Form T-6 (Tritium Ledger, Continuous) records its first balanced month in 2036: a breeding blanket on an operating deuterium-tritium device measures a tritium breeding ratio of 1.05 ± 0.03 , bred inventory exceeding burn plus decay plus the unaccounted line. The unaccounted line does not go to zero. It never goes to zero. Resolution via peer-reviewed publication in the journal Nuclear Fusion and IAEA technical meeting records.

Resolution source: Nuclear Fusion journal publication record; IAEA technical meeting records

BIS-F-2026-0036 – metrology and timekeeping

Zone 6 · Horizon 2030 · Swerve 9.331 · Status: pending

The General Conference on Weights and Measures votes in 2030 to redefine the second against an optical transition, retiring caesium after seventy years of adequate service. The vote is unanimous, the press release is 400 words, and every clock on Earth becomes, by decree and without moving, slightly better known. Thorium-229 nuclear-clock candidates at the 10^{-19} fractional level are noted for the subsequent cycle. Resolution: the published CGPM resolution record at the BIPM.

Resolution source: BIPM published CGPM resolution record



SYZYGY 5::4 – MARKETS & MESHWORKS

Foundry economics, supply-chain reroutings, agent-to-agent rails as infrastructure. The machine made of institutions.

BIS-F-2026-0037 – deep-sea engineering / subsea cables

Zone 4 · Horizon 2033 · Swerve 6.152 · Status: pending

Filing 4-0633: a transoceanic fiber cable enters service whose entire maintenance regime – fault localization, retrieval, splice, reburial – is contracted to uncrewed surface and subsea vessels, with no crewed cable ship held on standby. The maintenance authority's annual submission to the international cable protection committee records mean repair time under nine days across the first four faults, two of them in water deeper than four thousand meters.

Resolution source: International Cable Protection Committee annual reports

BIS-F-2026-0038 – optical interconnect standards ✓ manifested

Zone 5 · Horizon 2027 · Swerve 6.803 · Status: manifested

The Bureau records ratification of an implementation agreement for co-packaged optics at 3.2 terabits per second per engine, signed by fourteen members of an optical networking forum after a standards contest lasting thirty-one months. Compliance test vectors are published the same week as the agreement text. Three incompatible proprietary variants are withdrawn from sale within two quarters, their installed bases maintained under escrowed documentation.

Resolution source: OIF published implementation agreements

Resolution note: Manifested: the implementation agreement and its compliance vectors were published in the same week of 2027, as scheduled; the escrowed documentation has already been consulted twice.

BIS-F-2026-0039 – robotics / port logistics

Zone 4 · Horizon 2032 · Swerve 6.977 · Status: pending

A container terminal on the Atlantic seaboard reports, in its port authority's audited annual throughput statement, that autonomous cranes and yard vehicles executed above ninety percent of all moves for a full calendar year under a published cross-vendor interoperability profile. Seven equipment manufacturers certified against the profile; two failed and are listed as such in the registry, by serial number, without comment.

Resolution source: Port authority audited annual throughput statements; interoperability certification registry

BIS-F-2026-0040 – gigafactory logistics / energy storage

Zone 4 · Horizon 2030 · Swerve 7.291 · Status: pending

A gigafactory on the European grid discloses, through the battery-passport registry mandated under EU regulation, its ten-thousandth sodium-ion automotive pack produced on a line originally tooled for lithium iron phosphate. Changeover is documented at under ninety days, with cathode slurry, calendaring, and formation stages retained unmodified. The passport entries certify three thousand cycles at C/2 and list every upstream supplier within one ocean of the plant.

Resolution source: EU battery-passport registry disclosures

BIS-F-2026-0041 – orbital logistics

Zone 5 · Horizon 2031 · Swerve 7.884 · Status: pending

During the third quarter, a cryogenic depot in low Earth orbit completes custody transfer of liquid methane between vehicles operated by two unaffiliated launch providers, under a tariff schedule filed publicly in advance. Boil-off is audited by an independent metering package whose telemetry mirrors to a public archive; the discrepancy between manifested and delivered mass is under two percent. Orbital logistics acquires its first bill of lading.

Resolution source: FCC space station filings; FAA commercial launch license database

BIS-F-2026-0042 – fusion supply chain / superconducting materials

Zone 5 · Horizon 2037 · Swerve 8.026 · Status: pending

Aggregate annual production of rare-earth barium copper oxide superconducting tape exceeds ten thousand kilometers, per capacity disclosures published by the four largest suppliers, two of which did not exist at the decade's opening. Qualification lots are cross-tested between suppliers under a shared critical-current protocol. The IAEA fusion device registry lists nine projects whose magnet procurement documents cite this interchangeable supply as a design assumption.

Resolution source: Published HTS supplier capacity disclosures; IAEA FusDIS fusion device registry

BIS-F-2026-0043 – semiconductor fabrication / foundry economics

Zone 5 · Horizon 2029 · Swerve 8.417 · Status: pending

Form 5-1129-C records the qualification, by a US foundry and a Japanese toolmaker acting as consortium, of a 28-nanometer logic process in which no lithography, deposition, or metrology step originates from a single-source vendor. Dual-sourcing at every stage was previously held to be economically impossible; the consortium's published process disclosure documents forty-one qualified second sources. The Bureau notes that the resulting line is slower, hotter, and solvent.

Resolution source: Published fab process disclosures; SEMI second-source qualification records

BIS-F-2026-0044 – agent economies as infrastructure

Zone 4 · Horizon 2041 · Swerve 8.744 · Status: pending

A national central bank's public participant register for its real-time gross settlement system admits an ancillary clearing arrangement whose members are exclusively autonomous software agents holding verifiable organizational credentials, examined under the same operational-resilience audit applied to human institutions. The first oversight report records 4.1 million settled instructions in the opening quarter, zero manual interventions, and one scheduled failover executed nineteen milliseconds early.

Resolution source: Central bank RTGS public participant register and oversight reports

BIS-F-2026-0045 – agent-to-agent payment rails

Zone 4 · Horizon 2028 · Swerve 9.212 · Status: pending

An Internet-Draft specifying machine-native payment challenges over HTTP status 402 advances to Proposed Standard, its listed authors comprising three infrastructure operators and one working group whose minutes record no unresolved objections. Interoperability events in the preceding cycle demonstrated settlement between eleven independent agent runtimes and four custodial rails, each transaction bounded by a spend mandate the payer's principal never saw. The RFC number is assigned in the ordinary course of business.

Resolution source: IETF Datatracker RFC index



Appendix – The Corpus Manifest

Every document in the reader, in training order.

Book One – Instruments

#	SOURCE	CHARS
I	The Design Specification (<code>design-spec.md</code>)	5,836
II	The Charter (<code>index.md</code>)	4,320
III	The Model Card – vault draft (<code>model-card.md</code>)	8,230
IV	The Token Annex – \$UBU (<code>ubu-token.md</code>)	8,384
V	The Canonical Site (<code>ubu.numetal.xyz</code>)	6,842
VI	The Published Model Card – Hugging Face (<code>hf/README.md</code>)	7,820
VII	The License – HRL-1 (<code>hf/LICENSE</code>)	1,432

Book Two – The Docket (by filing number)

DOCKET N°	SYZYGY	DOMAIN	HORIZON	SWERVE	STATUS
BIS-F-2026-0001	9::0	high-performance computing	2028	4.318	pending
BIS-F-2026-0002	9::0	fusion decommissioning	2041	5.641	pending
BIS-F-2026-0003	9::0	subsea optical communications	2039	6.020	pending
BIS-F-2026-0004	9::0	semiconductor fabs	2036	6.457	pending
BIS-F-2026-0005	9::0	fission decommissioning	2033	7.212	pending
BIS-F-2026-0006	9::0	grid energy accounting	2034	7.883	pending
BIS-F-2026-0007	9::0	orbital logistics	2031	8.104	pending
BIS-F-2026-0008	9::0	crewed orbital infrastructure	2032	8.907	pending
BIS-F-2026-0009	9::0	deep-space optical/RF communications	2030	9.412	pending
BIS-F-2026-0010	8::1	deep-borehole disposal	2035	4.902	pending
BIS-F-2026-0011	8::1	space-solar-power	2037	5.921	pending

DOCKET N°	SYZYGY	DOMAIN	HORIZON	SWERVE	STATUS
BIS-F-2026-0012	8::1	carbon-mineralization	2034	6.113	pending
BIS-F-2026-0013	8::1	semiconductors	2041	6.408	pending
BIS-F-2026-0014	8::1	fusion	2027	6.845	manifested
BIS-F-2026-0015	8::1	storage-media	2029	7.302	pending
BIS-F-2026-0016	8::1	lunar-logistics	2030	7.556	pending
BIS-F-2026-0017	8::1	foundational-physics	2031	8.037	pending
BIS-F-2026-0018	8::1	geological-repository	2032	8.714	pending
BIS-F-2026-0019	7::2	cislunar navigation	2044	3.940	pending
BIS-F-2026-0020	7::2	quantum communications	2035	4.871	pending
BIS-F-2026-0021	7::2	rendezvous and proximity operations	2038	5.508	pending
BIS-F-2026-0022	7::2	debris environment	2027	6.442	rotted
BIS-F-2026-0023	7::2	LEO positioning, navigation, and timing	2041	7.126	pending
BIS-F-2026-0024	7::2	optical crosslinks	2029	7.903	pending
BIS-F-2026-0025	7::2	active debris removal	2027	8.214	manifested
BIS-F-2026-0026	7::2	GNSS authentication	2031	8.677	pending
BIS-F-2026-0027	7::2	orbital downmass logistics	2033	9.113	pending
BIS-F-2026-0028	6::3	pulsar navigation	2042	4.923	pending
BIS-F-2026-0029	6::3	space interferometry	2038	5.542	pending
BIS-F-2026-0030	6::3	terrestrial navigation	2027	6.115	rotted
BIS-F-2026-0031	6::3	quantum inertial navigation	2034	6.807	pending
BIS-F-2026-0032	6::3	timing networks	2029	7.208	pending
BIS-F-2026-0033	6::3	fusion energy	2033	7.664	pending
BIS-F-2026-0034	6::3	fusion energy	2031	8.412	pending
BIS-F-2026-0035	6::3	tritium fuel cycle	2036	8.917	pending
BIS-F-2026-0036	6::3	metrology and timekeeping	2030	9.331	pending
BIS-F-2026-0037	5::4	deep-sea engineering / subsea cables	2033	6.152	pending
BIS-F-2026-0038	5::4	optical interconnect standards	2027	6.803	manifested
BIS-F-2026-0039	5::4	robotics / port logistics	2032	6.977	pending
BIS-F-2026-0040	5::4	gigafactory logistics / energy storage	2030	7.291	pending
BIS-F-2026-0041	5::4	orbital logistics	2031	7.884	pending
BIS-F-2026-0042	5::4	fusion supply chain / superconducting materials	2037	8.026	pending
BIS-F-2026-0043	5::4	semiconductor fabrication / foundry economics	2029	8.417	pending

DOCKET №	SYZYGY	DOMAIN	HORIZON	SWERVE	STATUS
BIS-F-2026-0044	5::4	agent economies as infrastructure	2041	8.744	pending
BIS-F-2026-0045	5::4	agent-to-agent payment rails	2028	9.212	pending



BIS-046 · rev. Ω · 52 documents · 72,231 characters · own-voice only. The 45B model is fiction; the pocket edition that read this corpus is real. You have now read everything it knows. You are not betting on the future. You are billing it.