THE BUREAU READER · BOOK THREE

THE COMPANY DOCKET — FILINGS THAT TRAINED CLINAMEN-CHAT

OWN-VOICE CORPUS — FICTION / GAME ASSET

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Book Three — The Company Docket

Filings that trained CLINAMEN-Chat — regenerated live from the bureau-company-filings dataset. 36 companies, one filing each, own-voice; roster live-verified.

SPACE

Astranis

San Francisco maker of small (~600 kg) MicroGEO geostationary broadband communications satellites dedicated to a single customer/region, including its larger next-gen Omega line.

FILING BIS-F / Zone 7::2 (syzygy 7::2, Sine + Cosine). Filed against the first Oceania operator ordering a full constellation block of Astranis-type microsatellites: ANZCOMMunications, having ordered its Block D fleet as part of the Australian National Broadband Network program, files when it achieves commissioning readiness for the whole constellation across two launches scheduled within calendar year-end. The swerve is that a national carrier has bought enough capacity at once to be measured by the constellation rather than the tower. Resolution via AU-NBN/NBN Co operations disclosures and the operator's FCC filings.

RESOLUTION SOURCE: AU-NBN/NBN Co operations disclosures; FCC filings

SWERVE: A national infrastructure purchase becomes a constellation-in-the-making, and the regulator must name the constellation before naming the towers.

TOWER: Australia's NBN (now AU-NBN) will have announced full satellite availability.

AstroForge

Southern California asteroid-mining startup aiming to extract and refine platinum-group metals from metallic near-Earth asteroids ($55M raised, incl. a $40M Series A).

FILING BIS-F /ZONE-7 · SYZYGY 5::4 · ZONE 5 (Fire) · HORIZON 2030-01-01 · SWERVE 8.010

The Bureau notes that by January 1, 2030, AstroForge has received its first payment-in-kind into the corporate treasury, settled via a sovereign-central bank digital-currency settlement channel specified in the operator's quarterly disclosure. The transfer amount exceeds $1 million in value and settles through a correspondent banking relationship explicitly permitted under the Federal Reserve's foreign-currency program. Resolution

rests with the operator's published quarterly disclosures and the central bank settlement record.

RESOLUTION SOURCE: Operator quarterly disclosures + Fedwire/FEDWIRE cross-border payments records · STATUS: PENDING

Blue Origin

Jeff Bezos's space company; suborbital New Shepard, orbital heavy-lift New Glenn (currently grounded), and Blue Moon lunar landers serving NASA's Artemis Human Landing System and moon-base program.

FILING BIS-F/2026-0574 · SYZYGY 6::3 · ZONE 6 · HORIZON 2026 · SWERVE 6.478

The last of three RS-25 engines powering Blue Origin's Space Launch System stage ignites aboard a launch vehicle no longer under development — the final operational booster of the SLS configuration that carried Orion into orbit and beyond. The engine vendor confirms shipment completion and end-of-life retirement; the operator files its final propellant drawdown notice. A single combustion chamber lives as long as four flights across two decades before it ends quietly in a tank.

RESOLUTION SOURCE: NASA SLS Program Flight Termination Record & Pratt & Whitney propulsion records · STATUS: PENDING

Firefly Aerospace

Publicly traded (Nasdaq: FLY, IPO Aug 2025 at ~$6.6B) launch and lunar company; Alpha small-launch rocket and Blue Ghost lunar landers, plus defense/space-tech work.

FILING BIS-F/2026-0434 · SYZYGY 6::3 · ZONE 3 · HORIZON 2027 · SWERVE 4.213

A Firefly Aerospace mission logs a controlled descent over populated ocean waters before 31 December 2027 — recovery crews aboard helicopters arriving within minutes after the vehicle enters visual range, then boarding the stricken spacecraft to salvage payload modules. The operator publishes the rescue event as a technical bulletin. Resolution against FAA Surface Movement Operations records and NASA Spaceflight recovery reports.

RESOLUTION SOURCE: FAA SMO records + NASA Spaceflight recovery report · STATUS: PENDING

Impulse Space

Redondo Beach, CA in-space mobility company (founded by ex-SpaceX propulsion lead Tom Mueller) building orbital transfer vehicles: the Mira precision-maneuvering spacecraft and the Helios high-energy kick stage.

FILING BIS-F/2026-0473 · SYZYGY 5::4 · ZONE 4 · HORIZON 2027 · SWERVE 5.420

An Impulse Space vehicle delivers propellant to a stranded CubeSat at low Earth orbit, using a heliocentric rendezvous maneuver that closes within half a day's worth of fuel before refilling begins. The payload owner files commissioning and the FCC grant. Resolution via FAA launch authorization records and Space-Track decay notifications.

RESOLUTION SOURCE: FAA launch authorization + Space-Track decay notification · STATUS: PENDING

Interlune

Seattle lunar-resources startup (ex-Blue Origin team) developing SUV-sized robotic harvesters to extract helium-3 from lunar regolith and return it to Earth, primarily for superconducting quantum-computing applications.

FILING BIS-F/2026-0548 · SYZYGY 6::3 · ZONE 6 · HORIZON 2028 · SWERVE 8.902

Interlune's first revenue will come from a moon that does not yet exist: the sale of a fractionated sample of cold-trap helium-3 to a customer who cannot afford the full supply of 188 grams per launch window. The firm files the shipment as inventory under its 188-gram catalog number and records revenue at the atomic weight — precisely what no regulator will permit because nobody was there when they wrote the rules. Resolution: Interlune Q3 2028 revenue disclosure, SEC filings, and the USGS export statistics database. A molecule traded by mass rather than by price, and thus untradable.

RESOLUTION SOURCE: Interlune Q3 2028 revenue disclosures + SEC filings + USGS export-statistics data · STATUS: PENDING

Rocket Lab

Publicly traded (Nasdaq: RKLB) launch and space-systems company; operational Electron small-launch rocket, medium-lift Neutron in development, plus spacecraft, components, and satellite manufacturing.

FILING BIS-F/2026-0356 · SYZYGY 5::4 · ZONE 5 · HORIZON 2028 · SWERVE 6.000

FILING 5::4/LM-04. Subject: First commercial payload lofted by RocketLab's Neutron demonstration vehicle above 150 km altitude, filed as a Space-Track catalog entry with a non-zero conjunction risk window at perigee. The Bureau notes that low-orbit reentry remains the only acceptable endpoint here — every mission below this height will burn before it can be measured. Resolution via Space-Track conjunction warning and FCC orbital debris program filings. Swerve is minimal because the threshold exists already under another name. Near-certainty.

RESOLUTION SOURCE: Space-Track conjunction warnings + FCC debris-protection filings · STATUS: PENDING

Sierra Space

Private space company building the Dream Chaser reusable cargo spaceplane and inflatable LIFE habitat modules (supplied to the Blue Origin-led Orbital Reef commercial station).

FILING BIS-F/2026-0347 · SYZYGY 5::4 · ZONE 5 · HORIZON 2027 · SWERVE 6.000

The Sierra Aerospace Flight Development Center's ten-month Dream Chaser mission-acquisition program ends with an uncrewed Pathfinder demonstration crossing Mach 2 at hypersonic cruise before settling into a routine operational fleet. The first Pathfinder will carry no crew and will return without a crew either — only cargo that must be delivered. Resolution via FAA Part 457 certification filings and the operator's published fleet-scope listing. Swerve filed under runway length: every subsequent orbital demonstrator carries more than it could have carried as a manned freighter.

RESOLUTION SOURCE: FAA Part 457 certificate filings + operator fleet-scope disclosure · STATUS: PENDING

SpaceX

Private launch and satellite operator running reusable Falcon 9, the in-development Starship super-heavy vehicle, and the Starlink broadband megaconstellation (10,000+ satellites simultaneously in orbit).

FILING BIS-F/2026-0754 · SYZYGY 7::2 · ZONE 2 · HORIZON 2026 · SWERVE 6.850

Filed under 'launch': before 31 December 2026, SpaceX's first Starship flight carries more than sixty Starlink satellites into low Earth orbit at once. The FCC manifest lists forty-one separate launches by different entities, combined into one continuous catalog number, each individual event scored against the 185-kilogram per-launch threshold. Resolution via the FCC Satellite Log record.

RESOLUTION SOURCE: FCC Satellite Log · STATUS: PENDING

Stoke Space

Kent, WA developer of the fully and rapidly reusable medium-lift Nova rocket, whose second stage uses a regeneratively-cooled metallic heat shield with a ring of thrusters instead of an ablative TPS.

FILING BIS-F/2026-0537 · SYZYGY 5::4 · ZONE 4 · HORIZON 2028 · SWERVE 7.224

Form STX-SFC-0001 closes: by year-end 2028 the SpaceX Falcon Heavy reusability rate climbs

above thirty percent across all missions flown since launch day, crossing the threshold where repeat use becomes routine rather than rare. The event settles in NASA's Commercial Orbital Transportation Services program data and Space Systems Loral's mission disclosure filings. Stoke Space watches this as its own operational benchmark. Resolution via NASA-COTS reuse-rate reporting and Space Systems Loral disclosure.

RESOLUTION SOURCE: NASA-COTS commercial orbital transportation services reuse-rate reporting; Space Systems Loral mission disclosure · STATUS: PENDING

Varda Space Industries

Private El Segundo, CA company doing in-space (microgravity) pharmaceutical processing and building hypersonic W-series reentry capsules, also serving AFRL/defense reentry-testing customers.

FILING BIS-F / Docket 4-5-0790 · SYZYGY 7::2 · ZONE 2 · HORIZON 2028 · SWERVE 6.140

The first human subject treated at Varda's New Mexico clinical site receives a microgravity-dosed formulation administered during a controlled descent into the Atlantic Ocean. Resolution via FDA investigational-use protocol status and the published treatment report from the New Mexico Clinical Research Institute. The dose is small enough that it could have been done before anyone knew who would take it.

RESOLUTION SOURCE: FDA Investigational Use Protocol status + NMCRI treatment report · STATUS: PENDING

Vast

Long Beach, CA commercial space-station developer building Haven-1, slated to be the world's first commercial space station, plus the larger multi-module Haven follow-on.

FILING BIS-F/2026-0433 · SYZYGY 5::4 · ZONE 5 · HORIZON 2026 · SWERVE 8.209

VAST files a preliminary construction contract with the US FAA, naming Haven-1 as the facility it will certify under Part 41 subpart D-20, the same part that has held no manned vehicle since Apollo. The FCC license accompanying the award carries a Class III operation note — high-power microwave transmitter over a populated area — which FAA staff must sign off upon before certifying anything. Resolution via the FCC License Database and the FAA operator-certification records.

RESOLUTION SOURCE: FCC License Database; FAA Operator Certification Records · STATUS: PENDING

FUSION

Commonwealth Fusion Systems

High-field HTS-magnet tokamak fusion developer building SPARC (net-energy demo) and ARC (400 MWe first commercial plant near Richmond, VA); the best-funded private fusion company.

FILING BIS-F/2026-0371 · SYZYGY 5::4 · ZONE 5 · HORIZON 2031 · SWERVE 8.012

The Bureau records that the US Department of Energy enters a contract award notice for Commonwealth Fusion's ARC demonstration reactor at a Virginia power station, committing a specific amount toward spurring construction. The award number carries a schedule and a delivery clause naming the facility. A contractor named in that procurement becomes the litigant you will find referenced across the filings — the entity holding money against its own completion. The DOE award notice is the focal point of this dockets' single event: who will pay to make it happen.

RESOLUTION SOURCE: US DOE Award Notice + DoE interconnection permit (PJM) registry · STATUS: PENDING

Helion Energy

Magneto-inertial / pulsed field-reversed-configuration fusion that recovers electricity directly via electromagnetic induction; building Orion, a 50 MW commercial plant in Malaga, WA under a 2028 PPA with Microsoft.

FILING BIS-F/2026-0506 · SYZYGY 5::4 · ZONE 5 · HORIZON 2028 · SWERVE 8.904

Filed against Orion's first grid-connected metered year-end. The Bureau logs the first full quarter in which Helion records revenues from the sale of heat generated by its plasma engine, verified against ISE data, before it has sold power through a transmission operator. Resolution: quarterly EIA retail sales report and Helion Q4 2028 revenue disclosure. Swerve: the company files its income statement as energy, not electrons, before anyone can read them. Consequence runs through the metering cycle and beyond.

RESOLUTION SOURCE: U.S. EIA retail sales reports + Helion Q4 2028 revenue disclosure · STATUS: PENDING

Pacific Fusion

Pulser-driven inertial (pulsed-magnetic) fusion using impedance-matched Marx generator (IMG) drivers; scaling a modular pulser platform toward a high-yield demonstration system, in partnership with LLNL and General Atomics.

FILING BIS-F/2026-0742 · SYZYGY 6::3 · ZONE 6 · HORIZON 2028 · SWERVE 6.771

FILING 6::3/PACF-04. The Pacific Fusion collaboration's first-year report will cite an

advance in the plasma physics that permits the field-to-current ratio held constant across the entire shot duration. This is the key threshold: no reconfiguration, just holding the magnetic-field envelope steady through every joule, which makes scaling possible. Resolution via arXiv preprint(s) + peer-reviewed journal paper. Filed against the geometry that keeps the stars warm.

RESOLUTION SOURCE: arXiv+peer-review journal · STATUS: PENDING

TAE Technologies

Beam-driven field-reversed-configuration fusion targeting aneutronic hydrogen-boron (p-B11) fuel; currently independent but with a pending all-stock ~$6B merger with Trump Media (Nasdaq: DJT), announced Dec 2025 and targeted to close by Q4 2026, which would take it public.

FILING BIS-F/2026-0317 · SYZYGY 7::2 · ZONE 2 · HORIZON 2028 · SWERVE 4.715

The NRC will grant TAE's final safety-critical permit at the Norm facility before the station goes live — the threshold condition declared as the last hurdle to commissioning, resolved through the issuing OSHA/NRC document number appearing in DoDRA filings. The swerve here is small yet exact: a single line item declaring the Norm reactor's final operational requirement — no external neutron flux reaching zero mW/cm² within thirty days of grid connection — carries the quiet promise of whether this decade's most audacious claim actually flies off the ground.

RESOLUTION SOURCE: NRC issuance record + DOE.gov · STATUS: PENDING

Zap Energy

Sheared-flow-stabilized Z-pinch fusion — a compact, magnet-and-coil-free plasma core — developed on the FuZE-3 experiment and the Century plant-integration platform near Seattle.

FILING BIS-F/2026-0107 · SYZYGY 6::3 · ZONE 6 · HORIZON 2027 · SWERVE 4.510

Filing 6::3/08. The Office records that the century-scale energy storage claim filed by Zap Energy Systems against the Washington State Public Utility Commission resolves as a partial permit extension granted on a date beyond 2027, leaving no active construction record since the filing's first line item was the Century Platform's grid-connected hours rather than its peak-load capacity. Resolution rests with PUC Washington proceeding docket 2025-PD-0010.

RESOLUTION SOURCE: PUC Washington proceeding docket 2025-PD-0010 · STATUS: PENDING

FISSION

Oklo

US advanced-fission developer building the Aurora Powerhouse, a compact sodium-cooled (liquid-metal) fast microreactor; publicly traded (NYSE: OKLO).

FILING BIS-F/2026-0534 · SYZYGY 7::2 · ZONE 2 · HORIZON 2028 · SWERVE 8.882

The U.S. Department of Energy has filed its third PDSA on the first two units of the Oklo demonstration reactor complex; the last draft dated June 11, 2026, lists no deviations from prior PDSAs. The filing cites the IAEA safety report number and states that the facility will be operated by the Advanced Fusion Systems consortium as an experimental demonstrator until further notice. Resolution via DOE IDLOP proceedings.

RESOLUTION SOURCE: DOE Idaho Operations Office, IDLOP proceedings · STATUS: PENDING

DEFENSE

Anduril Industries

Palmer Luckey-founded autonomous-defense company: Lattice AI command-and-control software, Ghost/Ghost Shark uncrewed systems, Bolt-M and Fury drones, and counter-UAS hardware.

FILING BIS-F / Zone 4 (Zone 4's dark center): By December 2027, Anduril's first production unit will complete its initial operational test series and be certified as a combat vehicle by the US Army under DoD 868. The Resolution Source is the DoD ODTM final report certifying a weapon system and the operator's acquisition award record identifying the entity selected to meet it. Swerve: the certification that closes this entry is the moment when a defense contractor receives a live mission from a field army rather than a desk. Filed against the DoD Acquisition Report and the operator's contract awards.

Castelion

California (El Segundo/Torrance) defense startup founded by ex-SpaceX engineers, building low-cost, mass-manufacturable hypersonic strike weapons — flagship 'Blackbeard' — with vertically integrated production and a high-cadence in-house flight-test program.

FILING BIS-F / Zone 3 (Torrance, CA).

Zone 3 files under manufacture. The Bureau observes that at no point will Castelion produce a single weapon — it makes platforms, not projectiles. What moves across the threshold is volume: a fleet of missiles rolled off a line rather than built by hand for each mission, which is where every other manufacturer loses money before it ever flies.

RESOLUTION SOURCE: DoD procurement records + publicly released QDR disclosures from 2027+

showing sustained mass-production run-rate of a tactical hypersonic inventory category.

SWERVE: A change in cadence: a handful fired once becomes thousands flown routinely. Reported through DOD acquisition disclosures and published QDRs. Filed pending a first full-year, sustained production figure crossing the analyst threshold.

Saronic

Austin, TX defense-tech company designing and mass-manufacturing autonomous surface vessels (USVs) — from the 24-ft Corsair to the 180-ft Marauder MUSV — for the U.S. Navy and allies, with an autonomy-first, vertically integrated shipbuilding model.

FILING BIS-SAF/203. Filed under Saronic, Texas. The Bureau records that a commissioned Saronic vessel has logged more than three hundred hours underway without being ordered off station, proving it can survive an extended sea day while maintaining full autonomy above thirty knots — no human crew aboard, no onboard maintenance performed. Resolution rests with the Navy's operational disclosure documenting sustained independent operation beyond forty-eight hours. Swerve filed against the horizon where an unmanned vehicle proves capable of enduring away from a control tower longer than its own engineers imagined. Status pending.

Shield AI

San Diego defense-autonomy company: Hivemind AI 'pilot' software and the V-BAT VTOL drone (plus the new jet-powered X-BAT); Hivemind is the autonomy provider for Anduril's Fury under the Air Force CCA program.

FILING BIS-F/2026-0438 · SYZYGY 5::4 · ZONE 5 · HORIZON 2027 · SWERVE 6.200

The first flight of a shielded V-BAT demonstrator — VTOL hovering over a live target without human intervention — will be logged by the FAA's Unmanned Aircraft Systems Integration Office in the Federal Register, after which the aircraft's Operator Statement must include "Autonomous Operations" as a permitted mode of operation, rather than simply a pilot-in-command qualification.

RESOLUTION SOURCE: FAA UAS Integration Office (UAIoT) Federal Register notice + operator OMS · STATUS: PENDING

MANUFACTURING

Hadrian

AI-powered precision-manufacturing company (Hadrian Automation Inc., Torrance, CA) building and operating automated 'smart' factories that machine parts for U.S. aerospace, defense and maritime supply chains; plants

in Mesa, AZ and Cherokee, AL.

FILING BIS-F / HADRIAN-AUTOMATION. A California state-compliance certificate attesting that the Tennessee Valley Authority's Hadrian facility has installed and validated its emergency-power override logic — a manual override path through all safety interlocks that can be called from off-site during grid outages — will resolve against TVA compliance records and the operator's public disclosures. The Bureau notes this is a human-maintained door closing behind a machine: an override path exists only because someone was willing to stand between the machine and a shutdown order. Filed pending a state utility commission record and the operator's SEC disclosure.

RESOLUTION SOURCE: TVA/DSO compliance records; Hadrian/Automation SEC filings

SWERVE: Minimal deviation from a single certification event. Consequence: a critical part of the system whose default is a power outage becomes operable without it.

COMPUTE

Cerebras Systems

Builds wafer-scale AI processors (Wafer Scale Engine 3 / CS-3 systems) and a high-speed inference cloud; now publicly traded (Nasdaq: CBRS) after its May 2026 IPO — still an independent company, not acquired.

FILING BIS-F/2026-0470 · SYZYGY 8::1 · ZONE 8 · HORIZON 2032 · SWERVE 7.927

The Bureau records that a Cerebras Wafer Scale Engine 3 system completes a year of sustained throughput above ten trillion operations per second without human intervention — the first machine certified as autonomous during continuous operation at full load, rather than supervised during test intervals. The verification window closes when the disclosed sustained-throughput figure crosses this threshold, which resolves against the company's quarterly disclosure and SEC filings. Consequence: the world stops asking whether a supercomputer exists merely because someone built one quietly enough no one had time to notice.

RESOLUTION SOURCE: Quarterly Cerebras System disclosures + SEC filings (Quarterly Report & Form 10-Q) · STATUS: PENDING

Etched

Fabless AI-chip startup building Sohu, a transformer-only inference ASIC (TSMC 4nm) hardwired to run transformer/LLM workloads far faster and cheaper than general-purpose GPUs (cannot run non-transformer models like CNNs/RNNs).

FILING BIS-F / Zone 3 (Pilot). Filed under Transformer Only: A single customer's production network runs entirely on Etched TPU chips across the entire inference pipeline, while every upstream model it calls depends only on the transformer subarchitecture that Etched built into silicon. The event: first quarter of calendar year 2027, reported through Semiconductors & Supply Chains quarterly review. Resolution via SEMI industry data sheets and the company's disclosed manufacturing commitments. Swerve logged against the pilot: a node designed to be fast at a narrow task quietly becomes the fastest tool available for a very specific kind of problem, and no competitor has yet caught up.

RESOLUTION SOURCE: SEMI semiconductor-industry data sheet + company manufacturing disclosures (Semiconductor Industry Association Quarterly Review)
CLAIM: The world's fastest inference machine is built as a custom chip inside a startup.
STATUS: PENDING

Groq

AI inference company running GroqCloud, a global LPU-powered inference cloud (13 data centers, 5M+ developers, trillions of tokens/week); after Nvidia non-exclusively licensed its LPU chip IP for ~$20B and hired founder Jonathan Ross (Dec 2025), Groq re-centered on the inference-as-a-service/neocloud business rather than selling its own chips.

FILING BIS-F /ZONE-4 · SYZYGY 5::4 · HORIZON 2028 · SWERVE 6.850

The first month Groq's revenue accrues against its net income exceeds 4% of total revenues. The auditor's note discloses the percentage as "net of deferred tax" and explains that the loss carryforward will be exhausted before any profit can appear. This number exists only because the company was allowed to take losses into account before it could earn them. Resolution rests with the quarterly SEC filings and the accompanying auditors' notes.

RESOLUTION SOURCE: Quarterly SEC filings; auditors' notes disclosing the loss carryforward -before-tax- being reported instead of earned. · STATUS: PENDING

Tenstorrent

Independent AI-chip company led by Jim Keller building open RISC-V CPUs and Tensix AI accelerators; current-gen Blackhole processors and Galaxy multi-chip systems (earlier Grayskull retired, Wormhole prior-gen, Quasar chiplets on roadmap). Reportedly in Qualcomm acquisition talks ($8-10B) as of mid-2026, but no deal announced -- still independent.

FILING BIS-F/2026-0457 · SYZYGY 5::4 · ZONE 5 · HORIZON 2027 · SWERVE 6.110

The first Tenstorrent processor leaves a data center through a DCIM vendor's rack-mount enclosure listing, carrying sustained throughput above the PetaSpeed benchmark it claims it has beaten. The number survives the vendor's own disclosure note without correction.

Resolution: RackWorld.com listings + the corresponding datasheet published in OpenWhisk/NIST IRG format. Swerve filed across the last two quarters — the claim had been quietly waiting behind closed doors, and now it appears fully dressed before anyone was watching.

RESOLUTION SOURCE: RackWorld.com rack-mount enclosure listings + NIST IRG datasheet · STATUS: PENDING

ROBOTICS

Figure

Builds general-purpose humanoid robots (current gen Figure 03) powered by its in-house Helix vision-language-action model (Helix 02); moving from pilots to industrial deployment, most visibly on BMW production/logistics lines.

FILING BIS-F/2026-0087 · SYZYGY 5::4 · ZONE 4 · HORIZON 2026 · SWERVE 5.018

Filed against BMW's Spartanburg plant: Figure 03 will move beyond demonstrator into fielded operation on a production line as part of a Helix-powered humanoid pilot program, logged under the vehicle group rather than robotics, with resolution through the German Federal Inspectorate inspection reports published annually. The deviation is minimal — the machine enters a manufacturing cell where no robot has walked before — yet it changes nothing. Filed pending the inspectorate's annual report certifying that a figure did something productive.

RESOLUTION SOURCE: German Federal Inspectorate annual inspection reports, published annually · STATUS: PENDING

Physical Intelligence

Builds general-purpose robot-control foundation models (vision-language-action), including pi-0 and pi-0.5 (~3B params), aiming for a single model that can control many different robot embodiments -- a direct competitor to systems like NVIDIA GR00T.

FILING BIS-F/2026-0479 · SYZYGY 6::3 · ZONE 3 · HORIZON 2028 · SWERVE 6.640

The Foundation Network publishes the first production-grade physical-intelligence agent: a trained physical intelligence model released as an open-source node module alongside its training artifacts, deployed into a controlled testbed where it performs tasks against multiple robots across a domain without retraining. The model's performance curve is logged publicly along with every hardware variant tested. Resolution obtains when the Foundation Network Node Model Registry releases the published agent version number under this filing, dated Q4 2028.

RESOLUTION SOURCE: Foundation Network Node Model Registry release notes · STATUS: PENDING

Skild AI

Builds a general-purpose 'omni-bodied' robot foundation model — a single shared AI brain trained to operate many different robot embodiments across tasks.

FILING BIS-F/2026-0372 · SYZYGY 5::4 · ZONE 4 · HORIZON 2029 · SWERVE 7.100

A robotic manufacturing line at a major carmaker logs a shift change where every workstation picks up a part it had previously passed by — no human picking hands are observed entering the cell — after running the Skild omni-body agent in place for eight weeks. The manufacturer's published productivity gain does not name the cause as Skild. The swerve is small and quiet: a machine learning that can drive itself through the plant becomes the implicit hand behind the conveyor belt. Resolution via SEMI Supply Chain Insights and the automaker's quarterly production disclosure.

RESOLUTION SOURCE: SEMI Supply Chain Insights; company Q4 production disclosure · STATUS: PENDING

ENERGY

Koloma

Denver-based geologic ('natural'/white) hydrogen company exploring for and aiming to produce naturally occurring subsurface hydrogen; backed by Breakthrough Energy Ventures, Khosla, Amazon Climate Pledge Fund (~$400M raised).

FILING BIS-F/2026-0735 · SYZYGY 6::3 · ZONE 3 · HORIZON 2030 · SWERVE 5.682

Koloma's first commercial hydrogen production from natural gas — not electrolysis, which it files as a demonstration — arrives at the Boulder County landfill under the state's mandatory diversion rule, fed into a composting loop that converts methane to electricity. The swerve is small enough to be counted in units rather than words: one million cubic meters diverted annually from combustion toward fertilizer. Resolution via Colorado Division of Air Quality permits filings and county sustainability reporting.

RESOLUTION SOURCE: Colorado Division of Air Quality permit filings + county sustainability reporting · STATUS: PENDING

Terraform Industries

Develops modular systems that synthesize pipeline-grade natural gas (methane) from atmospheric CO2, water, and cheap solar electricity; founder/CEO Casey Handmer.

FILING BIS-F / DEVELOPMENT-ENVIRONMENT. A Texas industrial park will host the first commercial-scale demonstration of Terraform's fully synthetic methane plant — flue-cured, low-carbon, no fossil fuel-fired generation in sight. The operator files commissioning milestones under ERCOT's transmission interconnection permitting process. Swerve: the first megawatt-hour produced from nothing more than sunlight, air, and water arrives at the grid, and every downstream burner must learn how to burn it. Resolution via ERCOT interconnection permit filings and the company's SEC disclosure schedule.

RESOLUTION SOURCE: ERCOT interconnection permit filings + Terraform Industries SEC disclosure schedule (Securities and Exchange Commission)

STATUS: PENDING

ARTIFICIAL INTELLIGENCE

Anthropic

San Francisco AI safety and research company; builds the Claude LLM family (latest Claude Opus 4.8) and the Claude Code developer product, reporting a ~$47B revenue run rate.

FILING BIS-F/2026-0330 · SYZYGY 5::4 · ZONE 5 · HORIZON 2033 · SWERVE 6.144

The Bureau records that before the end of calendar year 2033, Anthropic ships a Mythos-class model whose inference pipeline trains itself to select its own parameterization from the prior distribution — no human expert choosing anything, the model learning which parameters it can trust to be stable without being told they're safe, and selecting them as such, in full autonomy. The post-release disclosure will log the self-training regime as deliberate. This swerve is small enough to reverse: if Anthropic chooses to keep the selection opaque, the filing collapses into the neutral claim every model makes. Resolution via the published training-metadata paper under arXiv.org.

RESOLUTION SOURCE: arXiv.org preprint server (training-metadata paper); Anthropic blog ·
STATUS: PENDING

OpenAI

Frontier AI research company behind ChatGPT and the GPT model family (latest GPT-5.5) plus the Codex agentic-coding platform; weighing an IPO around 2027 at a ~$1T target.

FILING BIS-F/2026-0443 · SYZYGY 6::3 · ZONE 6 · HORIZON 2027 · SWERVE 5.414

OpenAI files that its annual revenue will exceed $1 billion before year-end 2027; it publishes the quarterly results confirming this. The filing names no event outside the report itself and resolves against the publicly filed Q4 2026 and 2027 quarters' revenues disclosed under SEC disclosure rules. It does not predict whether anyone bought anything from OpenAI's products; it simply states whether they have crossed their threshold.

RESOLUTION SOURCE: SEC Form 10-Q filings — Revenue line item; operator disclosures · STATUS: PENDING

BIOTECH

Colossal Biosciences

Dallas-based de-extinction and species-preservation company using genome engineering to revive extinct animals (woolly mammoth, dire wolf, dodo, moa, thylacine, bluebuck) and build spinoff conservation technologies.

FILING BIS-F/2026-0574 · SYZYGY 5::4 · ZONE 5 · HORIZON 2027 · SWERVE 6.218

Colossal's Bluebuck Conservation Technologies unit reports the first artificial embryo hatch at a laboratory outside Botswana, demonstrating that a critically endangered Afrotropical antelope can be bred anew without native females by fertilising eggs harvested from frozen-thawed sperm stock. The result is published in an open-access journal and filed under FAO/CABI guidelines for captive-breeding programmes. The swerve is small — one clutch, one generation — yet it closes a decades-long gap between extinction risk and recovery strategy. Resolution via CABIAI/FAO captive-breeding registry.

RESOLUTION SOURCE: CABIAI/Fao captive-breeding registry / arXiv preprint (Bluebuck Conservation Technologies report) · STATUS: PENDING

Retro Biosciences

Sam Altman-backed longevity biotech pursuing cellular reprogramming plus autophagy and plasma-based therapies to extend human healthspan; valued ~$1.8B in 2026.

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The first clinical trial at a US site reports that allogeneic hematopoietic stem cells harvested from donors under twenty years old and treated by Retro's cell-reprogramming platform produce functional adult tissue within two months of transplantation, meeting regulatory endpoint criteria without requiring bone marrow expansion. The patient registry logs the transplant; the FDA investigational-new-drug letter publishes the endpoints. The

swerve is modest — no rejuvenated organs delivered yet — but it is also the point where a therapy gains meaningful applicability across age groups.

RESOLUTION SOURCE: ClinicalTrials.gov registration + FDA IND / PDUFA guidance document · STATUS: PENDING