



THE KOSMOS INSTITUTE  
OF SYSTEMS THEORY

# The KOSMOS Institute of Systems Theory (draft)

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# DRAFT



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# KOSMOS Research Report: U.S. Department of Government Efficiency, D.O.G.E.

## Executive Summary

**System audited:** Department of Government Efficiency (DOGE)

**Operational period:** January 20, 2025 - May 30, 2025 (primary); residual activity through November 2025

**Audit date:** February 18, 2026

**Framework applied:** KOSMOS Master Reference File v1.6 (7ES, FDP, DQD, OCF)

**Audit classification:** Unnatural / Collapse-Prone System with Critical Collapse Risk

**Human Auditor:** Clinton Alden, The KOSMOS Institute of Systems Theory

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## Key findings

**The Department of Government Efficiency (DOGE) scores 0.0/10 on the KOSMOS Framework's Global FDP – the lowest score structurally possible.** This audit finds that DOGE operated without formal methodology, needs analysis, or process documentation; that its stated goal of "efficiency" served as rhetorical cover for a deregulatory and extractive agenda concentrated in the interests of its de facto leader, Elon Musk; and that it generated between **\$21.7 billion and \$135 billion in measurable costs** while producing only **\$2-7 billion in verified savings**—a net loss ratio of 3:1 to 67:1.

The system has effectively already collapsed. By November 2025, the White House Office of Personnel Management Director declared that DOGE "doesn't exist." The Observer's Collapse Function score of **0.99**—the highest ever recorded in a KOSMOS audit—predicted exactly this outcome. DOGE represents the most comprehensive violation of democratic governance design principles documented in the KOSMOS audit catalog.

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## Origins and motivations

DOGE originated from a social media conversation on August 12, 2024, between Elon Musk and Donald Trump on X (formerly Twitter), with no formal needs assessment, feasibility study, or policy analysis preceding its creation.<sup>[1][2][70][76][77]</sup> The name "Department of Government Efficiency" was suggested by an X user; Musk replied "That is the perfect name" and posted an AI-generated image of himself at a lectern marked "D.O.G.E."—a reference to



the Dogecoin cryptocurrency meme.[77]

**Stated purpose:** Eliminate government waste, fraud, and abuse; save "at least \$2 trillion" from the federal budget; conduct "a complete financial and performance audit" of federal operations.[6][7][8][51][70]

**Unstated motivations identified by audit:**

- Elon Musk invested **\$290+ million** in the 2024 election—the largest individual donation in election cycle history[21][24][76]
  - Musk companies had **direct business interests in over 70%** of agencies targeted by DOGE[24][33]
  - Musk companies were under investigation by **at least 11 federal agencies** at time of Trump's inauguration[21]
  - Senate investigators estimated Musk and his companies **could avoid \$2.37+ billion in potential legal liability** through DOGE role[21][40]
  - Economic Policy Institute estimated potential value of government data access at **\$43.4 billion**[28]
  - Musk stated in September 2024 that **deregulation was "the only path to his Mars colonization program"**[17]
- 

## Operational methodology: absence of method

DOGE published no formal methodology, needs analysis, process mapping, GAP analysis, or documented procedures at any point during its operations.[2][56][65] When asked to describe the approach, Musk stated: "*It's like being in a room and the wall, the roof, and the floor are all targets. So it's like, you're going to close your eyes and go shoot in any direction... because you can't miss.*"[77]

The actual operational pattern consisted of: (1) gaining administrative access to agency IT systems, often over career officials' objections; (2) keyword-based data mining for contracts containing DEI terminology, foreign aid references, and ideologically opposed programs; (3) mass terminations without individualized review; (4) posting cancelled items as "savings" on doge.gov with systematic errors; (5) embedding DOGE staff—overwhelmingly from Musk's companies—into permanent agency positions.[11][12][13][14][15][18][20][21][31][53][58]

**No integration with existing oversight:** Rather than partnering with the Government Accountability Office (which had identified \$208 billion in potential savings from 1,881 unaddressed recommendations)[3][54] or 73 federal inspectors general, the administration fired 17 inspectors general in its first week, along with heads of the Office of Government Ethics and Office of Special Counsel.[77]

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## Claimed vs. verified outcomes

Metric	DOGE Claims	Independent Verification	Sources
Savings	\$2 trillion (Oct 2024) → \$205 billion (Aug 2025)	\$2-7 billion verified	[9][10][34][51][52][77]
Costs generated	Not disclosed	\$21.7B-\$135B documented	[20][39]
Net fiscal impact	Positive	<b>Negative: -\$15B to -\$128B</b>	[20][39][85]
Federal workers affected	"Streamlining"	280,000-317,000 lost jobs	[20][30][59][62]
Deaths from USAID cuts	Not mentioned	360,000+ (Senator Schatz)	[22]
Conflict disclosures	"No conflicts"	70%+ of targeted agencies	[21][24][25][33]

## Key verification findings:

- NPR matched DOGE claims to federal procurement data: **~\$2-2.3 billion in verifiable savings**[9]
- POLITICO found DOGE saved **less than 5%** of claimed savings from 10,100+ contract terminations[10]
- University of Michigan economist: **\$1-7 billion** in actual savings[34]
- Conservative Manhattan Institute: approximately **\$5 billion** verified—"less than one-tenth of 1% of federal spending"[77]
- Senate Permanent Subcommittee on Investigations: **\$21.7 billion in waste** generated by DOGE in six months[20]
- Partnership for Public Service: **\$135 billion** total cost to taxpayers in 2025[39]
- House DOGE Caucus leader Rep. Blake Moore (R) admitted in June 2025: "*always knew it was a massive exaggeration*"[77]



## KOSMOS Framework scores

### Fundamental Design Principles (FDP): 0.0/10

Principle	Score	Critical findings
Symbiotic Purpose	0.5/10	Benefits concentrated in Musk's companies; costs borne by vulnerable populations; 360,000+ deaths from aid cuts
Adaptive Resilience	1.0/10	Required 200+ lawsuits to check operations; zero self-correction capacity; collapsed when Musk departed
Reciprocal Ethics	0.3/10	Asymmetric exchanges throughout; Black women 33% of job cuts despite 6% of labor force; no accountability for controllers
Closed-Loop Materiality	0.5/10	Generated \$21.7B-\$135B in waste; \$1.4B in already-spent NIH grants rendered useless; institutional knowledge destroyed
Distributed Agency	0.3/10	Hyper-centralized in one unelected individual; Congressional authority bypassed; no stakeholder input
Contextual Harmony	0.5/10	Local impacts overwhelmingly negative; DC: 9.6% projected unemployment, \$575M property losses
Emergent Transparency	0.0/10	Refused FOIA until court-ordered; Signal with auto-delete; armed guards; documents classified until 2034
Intellectual Honesty	0.2/10	Savings overstated 30-100x; debunked claims never retracted; simultaneously claimed DOGE was "not an agency" (to avoid FOIA) while exercising agency authority

### Global FDP (with data withholding penalty): 0.0/10

Classification: Unnatural / Collapse-Prone (< 3.0/10)

This is the lowest possible FDP score in the KOSMOS catalog—lower than ICE (0.49 raw) and Mercy Culture Church (2.07 penalized).[87][88][90]

### Designer Query Discriminator (DQD): 0.65

- **Designer Traceability** (0.95): Entirely the product of identifiable human design; every structural feature deliberately designed
- **Goal Alignment** (0.10): 90% misalignment between stated goals (efficiency, savings) and actual function (regulatory relief, data extraction, institutional destruction)
- **Enforcement Dependency** (0.90): Entirely dependent on presidential authority, political protection, continuous enforcement; could not survive five months without primary enforcer

Classification: Unnatural (0.6-1.0) – A deliberately designed system serving narrow



interests, dependent on external enforcement, with goals fundamentally misaligned with community flourishing.

## Observer's Collapse Function (OCF): 0.99

- **Recursive Belief Factor (0.90):** Depended almost entirely on maintained belief in "efficiency" narrative; collapsed when 67% voter disapproval reached
- **Observer Dependency (0.88):** Required active participation from Musk (departed), Trump, Republican Congress, agency heads, and public tolerance (withdrew)
- **Intrinsic Stability (0.80):** No statutory authority, no permanent workforce, no institutional infrastructure; charter expires July 4, 2026

## Classification: Critical Collapse Risk (> 0.6)

An OCF of 0.99 is the **highest score recorded in any KOSMOS audit**—higher than ICE (0.73–0.74), Mercy Culture Church (0.46), or industrial food systems (0.45).[87][88][90] The score predicted collapse that has now occurred: by November 2025, DOGE was declared to "not exist."<sup>[66]</sup>

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## Consequences and harms documented

**Fiscal:** Net loss of \$15B-\$128B; \$500B+ in projected lost IRS revenue over a decade[20][39][77][85]

**Human:** 360,000+ deaths from international aid cuts; 280,000-317,000 federal workers and families affected; millions of elderly/rural/disabled Americans lost SSA access; 90,000+ veterans lost "only affordable option" for home loans; 2,100 NIH grants cut (\$9.5B) causing estimated \$10B+ GDP loss and 44,000 job losses; Black women disproportionately harmed (33% of cuts, 6% of workforce)[20][22][30][59][62][63][64][77]

**Institutional:** 17 inspectors general fired; CFPB effectively eliminated (returned \$26B to consumers since 2011, now transfers \$10B+ annually to banks); USAID reduced from 14,000 to under 300 staff; systematic destruction of oversight infrastructure; 300+ million Americans' Social Security data allegedly uploaded to unsecured server[22][25][29][42][61][77]

**Constitutional:** Federal courts found USAID shutdown "likely unconstitutional"; Treasury access blocked by court order; Supreme Court litigation ongoing; 200+ lawsuits filed; multiple court orders requiring restoration of services and employees[18][41][43][44][55][80][81][82]

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## Audit conclusions

1. **DOGE was not an efficiency initiative.** It was a regulatory capture operation that used the language of efficiency as rhetorical cover while generating costs 3-67 times larger than any verified savings.
  2. **The absence of methodology was itself the methodology.** Without formal needs analysis or process documentation, DOGE was free to define "waste" as whatever its controllers opposed, allowing ideological and financial interests to determine outcomes.
  3. **The system collapsed as predicted.** The OCF score of 0.99 indicated a system entirely dependent on belief maintenance. When independent analyses revealed 30-100x overstatement of savings and Republican allies admitted the "massive exaggeration," belief collapsed and the system ceased to function.
  4. **Second-order systemic failure.** DOGE exhibits the pattern identified in the ICE audit: the oversight subsystem had to be destroyed for the parent system to function. A system that cannot tolerate accountability mechanisms proves fundamental design flaw.
  5. **Highest collapse risk ever recorded.** DOGE's OCF of 0.99 represents the most observer-dependent, least intrinsically stable system documented in the KOSMOS catalog—validating the framework's predictive power when actual collapse occurred.
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## Recommendations

The meaningful repair recommendations apply not to DOGE itself (which has collapsed) but to the **meta-system**: future government efficiency initiatives. Any legitimate government reform effort must include:

- Integration with existing oversight bodies (GAO, IGs) rather than their destruction
- Published, peer-reviewable methodology with clear definitions
- Mandatory needs analysis, process mapping, and impact assessment before implementation
- Full financial disclosure and recusal requirements for all participants
- Congressional authorization and appropriations oversight
- Independent evaluation of all claimed savings
- Distributional impact analysis ensuring reforms do not disproportionately harm vulnerable populations
- Radical transparency: real-time public documentation, mandatory FOIA compliance, prohibition on auto-deleting communications

The DOGE case demonstrates that **efficiency rhetoric without methodological rigor** enables extraction disguised as optimization. True efficiency requires precisely the elements DOGE systematically excluded: transparency, accountability, expertise, and



democratic oversight.

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Full audit report follows.

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**The Department of Government Efficiency (DOGE) scores 0.0/10 on the KOSMOS Framework's Global FDP — the lowest score structurally possible — classifying it as an Unnatural / Collapse-Prone system with critical collapse risk.** This audit finds that DOGE operated without formal methodology, needs analysis, or process documentation; that its stated goal of "efficiency" served as rhetorical cover for a deregulatory and extractive agenda concentrated in the interests of its de facto leader, Elon Musk; and that it generated between **\$21.7 billion and \$135 billion in measurable costs** while producing only **\$2-7 billion in verified savings**. The system has effectively already collapsed: OPM Director Scott Kupor declared in November 2025 that DOGE "doesn't exist." The Observer's Collapse Function score of 0.99 — the highest ever recorded in a KOSMOS audit — predicted exactly this outcome. DOGE represents the most comprehensive violation of democratic governance design principles documented in the KOSMOS audit catalog.

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## Part I – Motivators and driving factors behind DOGE's creation

### The origin story: a social media suggestion became national policy

DOGE did not emerge from any formal needs assessment, feasibility study, or policy analysis. Its genesis was a live conversation on X (formerly Twitter) on **August 12, 2024**, in which Elon Musk proposed a "government efficiency commission" and Donald Trump replied: "*You're the greatest cutter. I need an Elon Musk.*"<sup>[70][76][77]</sup> The next day, an X user suggested the name "Department of Government Efficiency"; Musk replied "*That is the perfect name*" and posted an AI-generated image of himself at a lectern marked "D.O.G.E." — a reference to the Dogecoin cryptocurrency meme.<sup>[77]</sup>

From social media riff to formal policy announcement took less than a month. On **September 5, 2024**, at the Economic Club of New York, Trump announced a "Government Efficiency Commission" led by Musk that would conduct "a complete financial and performance audit of the entire federal government" and "save trillions of dollars."<sup>[6][70]</sup> On **October 27, 2024**, at a Madison Square Garden rally, Musk pledged DOGE could cut "at least \$2 trillion" from the federal budget.<sup>[7][51][74]</sup> On **November 12, 2024**, Trump formally announced Musk and Vivek Ramaswamy as co-leaders, calling it "The Manhattan Project of our time."<sup>[5][71]</sup> On **November 20, 2024**, Musk and Ramaswamy published a



Wall Street Journal op-ed identifying \$500+ billion in "unauthorized" spending and setting a July 4, 2026 expiration date.[8][73]

**Executive Order 14158**, signed on Inauguration Day (January 20, 2025), created DOGE by renaming the existing U.S. Digital Service as the "U.S. DOGE Service" and establishing a temporary organization under 5 U.S.C. §3161.[1][2] Ramaswamy departed before inauguration due to internal friction.[77]

## What methodology determined the need?

**None.** No formal needs assessment, pilot program, scoping exercise, or feasibility study preceded DOGE's creation.[2][56] The justifications cited were rhetorical rather than analytical: Trump referenced "fraud and improper payments" costing "hundreds of billions," Musk cited GAO's 2024 fraud estimate of \$233-521 billion, and the WSJ op-ed invoked recent Supreme Court decisions (West Virginia v. EPA, Loper Bright v. Raimondo).[8][76] Many specific claims were later debunked – including Musk's assertion that 20 million Social Security recipients were past age 100 (a database misunderstanding) and FEMA diverting disaster funds to house migrants (funds were congressionally appropriated for a separate program).[48][50]

Critically, DOGE was created **without integration** with existing oversight bodies. The Government Accountability Office had **1,881 unaddressed IT recommendations** and had identified **\$208 billion in potential savings** from open recommendations.[3][54] The 73 federal inspectors general were already tasked with agency audits. Former GAO Comptroller General David Walker noted: "*What they're doing is really a review of information systems and transactions. They're not doing an audit.*"[49] Rather than partnering with these institutions, the administration **fired 17 inspectors general** in its first week, along with the heads of the Office of Government Ethics and the Office of Special Counsel – the very officials whose job was oversight.[77]

## The unstated motivations: a \$290 million investment

Musk was the **largest individual donor of the 2024 election cycle**, spending **more than \$290 million** in campaign contributions.[21][24][76] A Public Citizen report found Musk had a **direct business interest in over 70%** of the 32 cabinet and large independent agencies targeted by DOGE.[24][33] Senate investigators documented that Musk's companies were under investigation by **at least 11 federal agencies** for potential violations at the time Trump took office.[21]

The conflicts are specific and traceable: The **FAA** regulates SpaceX rocket launches and had proposed \$600K+ in penalties for safety violations; after DOGE, the FAA head was forced out and probationary employees were fired.[17][25] The **CFPB** would regulate X's planned payment processing services; Musk posted "CFPB RIP" and the agency was nearly eliminated.[17][25] The **NHTSA** regulates Tesla's self-driving technology and had active probes; DOGE



cuts reduced staffing by 10%. [17] The FDA regulates Neuralink's brain implant technology; approximately 1,000 FDA employees were fired, including some reviewing Neuralink applications. [17] Meanwhile, NASA (SpaceX's ~\$11.8 billion contract partner) and DoD (SpaceX's ~\$22 billion contract partner) were prominently spared extensive cuts. [17][24]

In September 2024, Musk explicitly stated that **deregulation was "the only path to his Mars colonization program"** — providing a direct personal business motivation. [17] The Senate Permanent Subcommittee on Investigations estimated Musk and his companies **could avoid more than \$2.37 billion in potential legal liability** through his governmental role. [21][40] The Economic Policy Institute estimated that if Musk leveraged data access to double federal contracts to his companies, he would capture **\$23.6 billion**; access to nonpublic government data could be worth up to **\$43.4 billion**. [28]

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## Part II – Operational methodology: the absence of method

**"Close your eyes and shoot in any direction"**

DOGE published no formal methodology, needs analysis, process mapping, GAP analysis, or to-be state documentation — ever. [2][56][65] Musk himself described the approach candidly: *"It's like being in a room and the wall, the roof, and the floor are all targets. So it's like, you're going to close your eyes and go shoot in any direction... because you can't miss."* [77]

The actual operational pattern, reconstructed from reporting, court filings, and congressional investigations, followed five steps: [11][12][13][14][15][20][21]

1. **System infiltration:** DOGE teams gained administrative access to agency IT systems, procurement databases, and personnel records — often over the objections of career officials. Treasury official David Lebryk resigned after decades of service rather than grant access. SSA Acting Commissioner Michelle King was forced out for resisting. [18][31][58]
2. **Keyword-based data mining:** Engineers scanned databases for contracts containing DEI terminology, foreign aid references, and programs opposed on ideological grounds. An internal DOGE report obtained by the Washington Post outlined a three-phase DEI purge. [15]
3. **Mass termination:** Contracts, grants, and employees were terminated at scale without individualized review. A former federal procurement executive told Federal News Network: *"DOGE is blindly grabbing for information, without any analysis. What DOGE is finding is bad data problems, not waste, fraud and abuse."* [53]
4. **Social media posting:** Cancelled items were listed on doge.gov as claimed "savings" and promoted via X posts. [4][9][16] The website contained systematic errors: an **\$8 billion vs. \$8 million typo** (ICE contract), triple-counted USAID contracts, **\$NaN**



values, and items silently removed after media fact-checks.[9][16][48][50]

5. **Institutional capture:** DOGE staff – overwhelmingly from Musk's companies – were embedded in agencies. ProPublica identified **100+ DOGE members** by July 2025; at least **38 were tied to Musk companies** (Tesla, SpaceX, X, xAI, Boring Company); at least **23 made cuts at agencies regulating their former industries.**[11][14]

## The "DOGE kids" and the question of qualification

DOGE's operational core included engineers aged **19-24** with no government experience. [11][14][26] Edward Coristine, 19, called "Big Balls" online, had security concerns (leaked information from a previous employer and connections to cybercrime communities per cybersecurity journalist Brian Krebs) yet received A-suite GSA clearance.[26] Gavin Kliger, 24, held up to **\$715,000 in stocks** regulated by the CFPB while overseeing its layoffs.[26] Marko Elez, 25, resigned after racist social media posts surfaced and was rehired elsewhere.[11] Courts consistently found vetting was **grossly inadequate**; Judge Vargas noted the record was "silent as to what vetting or security clearance process they went through." [26][41]

Communication occurred primarily via **Signal with auto-deleting messages**, potentially violating the Federal Records Act.[13][57] Windows at the GSA headquarters were covered with black trash bags. Armed guards controlled access. Senate oversight staff were refused entry to offices converted into DOGE bedrooms.[12][14] Login attempts from a **Russian IP address** were detected minutes after DOGE gained control of certain systems.[26]

## The scale of action without precedent or process

Between January and May 2025, DOGE accessed systems at **15+ federal agencies**, including Treasury Bureau of Fiscal Service payment systems (handling **\$5+ trillion** in annual payments), OPM personnel records (2.1 million workers), SSA systems (lifetime wages, SSNs, disability data for 300+ million Americans), Education Department student loan data, FEMA disaster victim databases, and HUD housing discrimination records.[18][31][42][55][58]

DOGE's actions resulted in approximately **280,000-317,000 federal workers** losing their jobs or accepting buyouts,[20][30][59][62] **~523,000 federal credit cards** cancelled across 32 agencies,[77] the near-total shuttering of USAID (14,000 staff reduced to under 300), [22][29][61] the effective elimination of the CFPB (~90% of staff),[25] proposed closure of the **Department of Education** (1,950 positions cut),[77] and massive reductions at the VA (17,000+ employees lost by July 2025),[63] EPA, SSA, and others.[30][60][69][78]

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## Part III – Goals and outcomes: the efficiency paradox

### The escalating and retreating savings claims

DOGE's savings narrative followed a pattern of escalation followed by quiet retreat:[9][16] [51][52][77]

- **October 2024:** Musk promises "at least \$2 trillion"[51]
- **February 2025:** Revised to ~\$1 trillion at first cabinet meeting
- **February 2025:** Website claims \$55 billion[9]
- **April 2025:** Musk claims \$150 billion
- **August 2025:** Claims reach \$205 billion
- **June 2025:** House DOGE Caucus leader Rep. Blake Moore (R) admits: "*always knew it was a massive exaggeration*"[77]

Independent analyses converge on dramatically lower figures. **NPR** matched claims to federal procurement data and found **~\$2-2.3 billion** in verifiable savings.[9] **POLITICO** found DOGE saved **less than 5%** of its claimed savings from nearly 10,100 contract terminations.[10] **University of Michigan economist Betsey Stevenson** estimated **\$1-7 billion**.[34] Even the conservative **Manhattan Institute** found no "legitimate evidence of fraud" and verified only about **\$5 billion** in savings – "less than one-tenth of 1% of federal spending." [77]

### DOGE cost far more than it saved

The Senate Permanent Subcommittee on Investigations found DOGE generated **\$21.7 billion in waste** in its first six months:[20] **\$14.8 billion** for the Deferred Resignation Program (paying ~200,000 workers not to work), **\$6.1 billion** in involuntary separations and reinstatements, and **\$263 million** in lost income from DOE loan freezes. The **Partnership for Public Service** estimated DOGE cost taxpayers **\$135 billion in 2025** through productivity losses, paid leave, and dismiss/rehire cycles.[39] IRS officials predicted more than **\$500 billion in lost tax revenue** over a decade due to DOGE-driven workforce reductions.[77] The **Brookings Institution** confirmed federal spending in 2025 was **higher than previous years** despite DOGE's cuts.[77]

### Unintended consequences: measured in lives

The consequences extend far beyond fiscal waste. Senator Schatz documented that **over 360,000 people died** from lack of food and medication following USAID cuts.[22] NIH cuts of approximately **2,100 grants worth ~\$9.5 billion** were estimated to cause **\$10+ billion in GDP losses** and **44,000 job losses**.[77] The VA's elimination of the Servicing Purchase program removed the "only affordable option" for **90,000+ veterans** behind on home loans. [63] SSA field office closures and phone verification elimination created access barriers for



millions of elderly, rural, and disabled Americans.[77] A whistleblower alleged DOGE uploaded 300+ million Americans' Social Security data to an unsecured server.[42] In January 2026, DOJ confirmed DOGE staffers mishandled sensitive Social Security data.[77] DOGE's DC lease cancellations generated \$575 million in property value losses against only \$76 million in claimed savings.[30]

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## Part IV – KOSMOS Framework full audit

### Phase 1: Seven Element Structure (7ES) analysis

The 7ES analysis maps DOGE's structural anatomy, identifying brittle points and hidden (shadow) elements that reveal the system's actual function versus its stated purpose.

#### 1. INPUT

- *Documented:* Executive authority (E.O. 14158 and subsequent orders), federal budget data, agency IT systems, personnel records, political mandate
- *Shadow inputs:* Musk's \$290M+ campaign contributions purchasing access; personal business interests across 70%+ of targeted agencies; Silicon Valley ideological framework ("move fast and break things"); Project 2025 agenda; Mars colonization deregulation requirement
- *Brittleness:* CRITICAL – Entire input stream dependent on a single individual (Musk) and a single political authority (Trump). When Musk departed in May 2025, the system lost its primary energy source.

#### 2. OUTPUT

- *Documented:* Claimed \$205B in savings (verified: \$2-7B); 280,000-317,000 job losses; contract/grant cancellations; doge.gov "wall of receipts"
- *Shadow outputs:* Regulatory relief for Musk's companies (\$2.37B+ avoided liability); access to nonpublic government data (estimated value \$43.4B); deregulatory precedent; destruction of oversight infrastructure; institutional knowledge obliteration
- *Brittleness:* CRITICAL – Output claims were systematically falsified (30-100x overstatement). Real outputs are overwhelmingly extractive.

#### 3. PROCESSING

- *Documented:* Ad hoc data mining; keyword-based contract screening; mass terminations; social media announcement
- *Shadow processing:* Signal encrypted messaging with auto-delete; no methodology documentation; no needs analysis; no impact assessment; ideological screening disguised as efficiency review

- **Brittleness: CRITICAL** – Processing was entirely ad hoc. No standardized methodology means no reproducibility, no quality control, and no accountability. The absence of process documentation is itself a structural failure.

## 4. CONTROLS

- **Documented:** Executive orders; White House Chief of Staff reporting line; nominal USDS Administrator (Amy Gleason)
- **Shadow controls:** Musk as "de facto leader" (per federal judge); Steve Davis running day-to-day operations; self-policed conflicts of interest; fired IGs, OGE head, OSC head
- **Brittleness: CRITICAL** – Controls were deliberately dismantled. The system's 7ES Control element exhibits **second-order systemic failure**: the oversight subsystem had to be destroyed for the parent system to function. This pattern – identified in the ICE audit – proves fundamental design flaw.

## 5. FEEDBACK

- **Documented:** doge.gov website; DOGE X/Twitter account; congressional briefings
- **Shadow feedback:** Punitive response to negative feedback (SSA Commissioner fired for resistance; career officials forced out; FEMA employees fired based on false Musk social media claims); auto-deleting communications destroying audit trail
- **Brittleness: CRITICAL** – Feedback is non-functional. Positive feedback (claimed savings) was fabricated. Negative feedback (court orders, fact-checks, congressional investigations) was either ignored, circumvented, or punished. This is a **closed feedback loop serving system controllers only**.

## 6. INTERFACE

- **Documented:** Agency DOGE teams (4+ employees per agency); GSA headquarters; doge.gov; public social media
- **Shadow interface:** Armed guards at GSA; windows covered with black trash bags; congressional Democrats physically blocked from access; FOIA requests refused until court-ordered; documents classified as presidential records until 2034
- **Brittleness: HIGH** – Interface designed for opacity, not engagement. The system's boundary management is extractive: information flows inward (data access) but not outward (transparency).

## 7. ENVIRONMENT

- Political polarization; Trump administration power consolidation; post-Chevron regulatory landscape; tech industry ideology; Project 2025 implementation
- Environmental hostility increased rapidly: **67% voter disapproval** by June 2025; "Hands Off!" protests with 1,300+ rallies; 200+ lawsuits; Tesla sales dropped 13% (worst quarter in company history); Musk personal favorability reached -12 net
- Environment was not assessed before system deployment, creating the equivalent of



building without geological survey

**7ES Summary:** All seven elements exhibit critical or high brittleness. Controls, Feedback, and Processing are the most compromised – representing the system's inability to self-regulate, learn, or operate with methodological rigor. Shadow elements dominate in every category, indicating that DOGE's actual function diverges fundamentally from its stated purpose. The system was optimized for extraction, not efficiency.

## Phase 2: Fundamental Design Principles (FDP) scoring

**Domain classification:** Governmental/Political/Technological System

**Domain-specific weights** reflect democratic governance imperatives where accountability, equitable benefit distribution, transparency, and distributed power are paramount:

FDP	Weight	Justification
Symbiotic Purpose (SP)	×3	Government must serve all citizens
Reciprocal Ethics (RE)	×3	Government must treat all fairly
Emergent Transparency (ET)	×3	Democratic governance requires transparency
Intellectual Honesty (IH)	×2	Government must be honest with citizens
Distributed Agency (DA)	×2	Democratic governance requires distributed power
Adaptive Resilience (AR)	×1	Self-correction capability
Contextual Harmony (CH)	×1	Local impact enhancement
Closed-Loop Materiality (CLM)	×1	Resource efficiency
<b>Total weight divisor</b>	<b>16</b>	

### 1. Symbiotic Purpose (SP): 0.5/10

**Formula:** SP = 10 × (Benefits to all stakeholders / Benefits to controllers)

Benefits concentrate almost exclusively among controllers: Musk's companies received regulatory relief (\$2.37B+ in avoided liability), access to government data (estimated \$43.4B value potential), and deregulatory precedent for SpaceX, Tesla, Neuralink, and X. Political actors delivered campaign promises. Project 2025 agenda advanced.

Costs were borne by: ~317,000 federal workers and families; elderly and disabled Americans losing SSA access; 90,000+ veterans losing home loan programs; 360,000+ people who died from international aid cuts; the scientific community (2,100+ grants cut, 44,000 jobs at risk); low-income Americans (affordable housing contracts terminated); students (Education



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Department gutted).

**SP trigger activated:** >10% of affected population lost access to healthcare, housing, food, or safety → SP must be ≤3. Given the scale of harm, **SP = 0.5**.

*Natural benchmark comparison:* Where bee pollination creates mutual flourishing, DOGE operates as a parasitic extraction — draining host resources to benefit a separate organism while degrading the host's viability.

## 2. Adaptive Resilience (AR): 1.0/10

**Formula:** AR =  $10 \times (1 - \text{External interventions} / \text{Autonomous processes})$

DOGE required **200+ lawsuits**, multiple court injunctions, Congressional investigations, and massive public protests to check its operations. The system demonstrated zero capacity for self-correction. Actions reversed only by external force: courts ordered USAID restoration, reinstated fired employees, blocked Treasury access. When Musk departed in May 2025, the system could not sustain itself; by November 2025, it "doesn't exist." **AR = 1.0**.

*Natural benchmark comparison:* Where forests adapt to fire cycles through regenerative capacity, DOGE lacked any regenerative mechanism — it was the fire without the forest.

## 3. Reciprocal Ethics (RE): 0.3/10

**Formula:** RE =  $10 \times (\text{Fair exchanges} / \text{Total exchanges})$

Every major exchange is asymmetric. Federal workers: fired without due process, forced into buyouts, institutional knowledge discarded. International aid recipients: programs terminated unilaterally, 360,000+ deaths. Citizens: services degraded without consultation. Taxpayers: DOGE cost \$21.7B-\$135B more than it saved. Musk: received sensitive data access, regulatory relief, avoided \$2.37B+ in liability — with no financial disclosure, no accountability, self-policed conflicts. **RE = 0.3**.

Black workers comprised **33% of federal job cuts** (for Black women specifically) despite being 6% of the labor force. Veterans, who make up nearly one-third of federal workers, were disproportionately affected.

*Natural benchmark comparison:* Where potlatch systems circulate wealth to all members, DOGE concentrated extraction in the wealthiest individual on Earth while distributing costs to the most vulnerable.

## 4. Closed-Loop Materiality (CLM): 0.5/10

**Formula:** CLM =  $10 \times (\text{Recycled outputs} / \text{Total outputs})$

Waste generation dominated: \$21.7B in direct waste (Senate PSI); \$14.8B paying people not to work; \$1.4B in already-spent NIH grant funds rendered useless; institutional knowledge destroyed permanently; \$575M in property value losses in DC alone; \$500B+ projected lost



# The KOSMOS Institute of Systems Theory (draft)

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tax revenue. Almost nothing was recycled. Some programs were reversed, but at additional cost. Scientific research interrupted mid-stream cannot be "recycled" – data, experimental cohorts, and institutional relationships were permanently lost. **CLM = 0.5.**

## 5. Distributed Agency (DA): 0.3/10

**Formula:** DA =  $10 \times (1 - \text{Centralized decisions} / \text{Total decisions})$

Decision-making was hyper-centralized in one unelected, unconfirmed individual. A federal judge found Musk was DOGE's "de facto leader." Trump stated he "put a man named Elon Musk in charge." Congressional authority was bypassed (GAO ruled Impoundment Control Act violations). Democratic processes were circumvented: no congressional vote, no public comment period, no stakeholder input. Young engineers with no government experience made irreversible decisions affecting millions. **DA = 0.3.**

*Natural benchmark comparison:* Where bird flocks emerge from distributed individual decisions, DOGE operated as a single-node command structure – the antithesis of distributed intelligence.

## 6. Contextual Harmony (CH): 0.5/10

**Formula:** CH =  $10 \times (\text{Positive local impacts} / \text{Total impacts})$

Local impacts were overwhelmingly negative. Washington DC: projected 9.6% unemployment, \$575M property losses. Rural communities: SSA office closures, reduced federal services. University towns: NIH cuts triggering layoffs (Johns Hopkins planned to lay off 2,000). International communities: aid withdrawal causing 360,000+ deaths. Veterans' communities: home loan programs eliminated. Environmental communities: EPA research cancelled, bird flu response disrupted. **CH = 0.5.**

## 7. Emergent Transparency (ET): 0.0/10

**Formula:** ET =  $10 \times (\text{Verifiable Processes} / \text{Total Processes}) - (2 \times \text{Withheld Data \%})$

DOGE refused FOIA requests until court-ordered. Windows were covered with trash bags. Armed guards controlled access. Signal with auto-delete was the primary communication tool. Documents were classified as presidential records (inaccessible until 2034). No methodology was published. The website contained systematic errors silently removed after fact-checks. The Supreme Court exempted DOGE from disclosure requirements. Senate oversight staff were physically barred from converted DOGE offices.

Conservative estimate of data withholding: >60%. ET =  $10 \times (-0.15) - (2 \times 0.60) = 1.5 - 1.2 = 0.3$ , but given the systematic and deliberate nature of concealment, the MRF's updated 2x penalty pushes this lower. **ET = 0.0 (floored).**

*Natural benchmark comparison:* Where ant pheromone trails provide clear communication about food sources and danger, DOGE operated as a black box actively destroying its own



information trails.

## 8. Intellectual Honesty (IH): 0.2/10

**Formula:** IH =  $10 \times (1 - \text{Hidden trade-offs} / \text{Total trade-offs})$

The dishonesty was systematic and pervasive. Savings were overstated by 30-100x (\$205B claimed vs. \$2-7B verified). Debunked claims were not retracted (20M Social Security recipients past age 100; FEMA fraud; 40% SSA phone fraud). The House DOGE Caucus leader admitted savings were a "massive exaggeration" that Republicans "always knew." DOGE never acknowledged that it cost more than it saved. Musk never disclosed conflicts of interest. The administration simultaneously argued in court that DOGE was "not an agency" (to avoid FOIA) while exercising agency-level authority. Musk later admitted DOGE was only "a little bit successful" and said he wouldn't do it again. IH = 0.2.

## Global FDP calculation

FDP	Score	Weight	Weighted Score
Symbiotic Purpose (SP)	0.5	×3	1.50
Adaptive Resilience (AR)	1.0	×1	1.00
Reciprocal Ethics (RE)	0.3	×3	0.90
Closed-Loop Materiality (CLM)	0.5	×1	0.50
Distributed Agency (DA)	0.3	×2	0.60
Contextual Harmony (CH)	0.5	×1	0.50
Emergent Transparency (ET)	0.0	×3	0.00
Intellectual Honesty (IH)	0.2	×2	0.40
<b>Totals</b>		<b>16</b>	<b>5.40</b>

$$\text{FDP\_global (raw)} = 5.40 / 16 = 0.34/10$$

**Data withholding assessment:** More than 15% of required audit data was actively withheld. DOGE classified documents as presidential records (sealed until 2034), used auto-deleting encrypted communications, refused FOIA compliance, provided no methodology documentation, published no needs analysis, and was exempted from disclosure by the Supreme Court. Estimated data withholding: >60%. Per MRF protocol, worst-case assumptions apply and -0.5 penalty is assessed.

$$\text{FDP\_global (penalized)} = 0.34 - 0.50 = -0.16 \rightarrow \text{floored at } 0.0/10$$

**Classification:** Unnatural / Collapse-Prone (< 3.0/10)



This is the lowest possible FDP score in the KOSMOS catalog. For comparison, ICE scored 0.49 (raw) and Mercy Culture Church scored 2.07 (penalized).

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## Phase 3: Designer Query Discriminator (DQD)

The DQD asks: *Who designed this system, and for what purpose?*

### Designer Traceability (DT): 0.95

DOGE is entirely the product of identifiable human design. It was conceived by Elon Musk in a social media conversation, formalized through specific executive orders signed by Donald Trump, staffed by identified individuals (primarily from Musk's companies), and operated under documented political direction. Nothing about DOGE emerged organically. Every structural feature – from the temporary organization framework to the agency-embedded teams to the self-policed ethics – was deliberately designed to serve specific interests. **DT = 0.95.**

### Goal Alignment (GA): 0.10

Stated goals (efficiency, savings, modernization) are **90% misaligned** with actual function (regulatory relief for controllers, data extraction, deregulation, institutional destruction). No natural system equivalent exists for a parasite that claims to be optimizing its host. The biomimicry index is near zero – natural systems that extract resources from their environment without reciprocity are classified as pathogens, not efficiency mechanisms. The gap between stated goals ("saving taxpayer money") and revealed goals (concentrating benefits in the world's wealthiest individual while distributing costs to the most vulnerable) is the widest documented in any KOSMOS audit. **GA = 0.10.**

### Enforcement Dependency (ED): 0.90

DOGE was entirely dependent on external enforcement mechanisms to function: presidential executive authority, political protection from Republican congressional majority, active defense against 200+ lawsuits, and continuous political will. When any of these failed – Musk's departure, court orders, public backlash – the system immediately degraded. The system could not survive for even **five months** without its primary enforcer (Musk departed May 30; the system was declared nonexistent by November). **ED = 0.90.**

### DQD Calculation

$$\text{DQD} = (\text{DT} + \text{GA} + \text{ED}) / 3 = (0.95 + 0.10 + 0.90) / 3 = 0.65$$

**Classification: Unnatural (0.6-1.0)**



DOGE is a deliberately designed system serving narrow interests, dependent on external enforcement, with goals fundamentally misaligned with community flourishing. This is consistent with the DQD profile of extractive institutional capture.

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## Phase 4: Observer's Collapse Function (OCF)

The OCF predicts whether a system will collapse when observers withdraw belief.

### Recursive Belief Factor (B\_R): 0.90

DOGE depended almost entirely on maintained belief in its legitimacy narrative. It required public acceptance of the "efficiency" framing; political belief from the Republican base; investor confidence (Musk's personal wealth is tied to Tesla and other company valuations); and active staff commitment. When belief eroded – **67% of voters** said DOGE did "a bad job" by June 2025;[46][47] **51%** believed Musk used DOGE to enrich himself;[46] protests drew hundreds of thousands[67][68] – the system's viability collapsed rapidly. **B\_R = 0.90.**

### Observer Dependency (D\_C): 0.88

DOGE required the active conscious participation of Musk (departed), Steve Davis (departed), Trump (political cover), Republican Congress (blocked oversight), agency heads (compliance), and public tolerance (withdrew).[11][12][66][77] It also required passive acceptance from courts (repeatedly denied),[18][41][43][44][55][80][81][82] media (increasingly critical),[9][16][48][50] and international community (hostile).[61] When observers at multiple levels withdrew participation – Musk personally, courts institutionally, the public politically – the system ceased to function.[66][77] **D\_C = 0.88.**

### Intrinsic Stability (T\_S): 0.80

DOGE had minimal intrinsic stability. It is not a real department (despite its name).[19][77] [83] It has no statutory authority, no permanent workforce, no institutional infrastructure, no legal mandate independent of executive orders.[1][2][77] Its charter expires July 4, 2026.[8][76][77] Some DOGE staff "burrowed" into permanent agency roles, providing slight persistence, and some operational patterns were absorbed by OPM and OMB – preventing T\_S from falling below 0.80.[11][66][77] **T\_S = 0.80.**

### OCF Calculation

$$\text{OCF} = (\text{B}_\text{R} \times \text{D}_\text{C}) / \text{T}_\text{S} = (0.90 \times 0.88) / 0.80 = 0.792 / 0.80 = 0.99$$

### Classification: Critical Collapse Risk (>0.6)

An OCF of **0.99** is the highest score recorded in any KOSMOS audit – higher than ICE (0.73-



0.74), Mercy Culture Church (0.46), or the industrial food system (0.45).[87][88][90] The score is validated by empirical reality: DOGE has effectively already collapsed. OPM Director Scott Kupor declared in November 2025 that DOGE "doesn't exist." [66] The system could not survive Musk's departure, could not withstand sustained public opposition, and could not maintain institutional coherence without continuous belief maintenance.

**Collapse trigger analysis** (per MRF neurobiological model):[87][90]

- **PFC belief recalibration:** Occurred when independent analyses debunked savings claims (30-100x overstatement)[9][10][34][52] and when the House DOGE Caucus leader admitted the "massive exaggeration"[77]
- **ACC conflict detection:** Triggered when voters confronted contradiction between "efficiency" narrative and measured harm (360,000+ deaths, \$135B in costs)[20][22][39][46]
- **Amygdala enforcement withdrawal:** Loss aversion no longer motivated compliance when Republican members faced angry constituents; Rep. Rich McCormick was booed; Rep. Scott Fitzgerald was told to "tell Elon Musk to stop"[67][68][77]

Per Alden's Law ("No observers → no economy") and Centola Network Effects (~25% participation loss triggers cascade):[87] DOGE crossed the cascade threshold when voter disapproval exceeded 60%[46][47] and protest participation reached critical mass (1,300+ rallies on April 5, 2025).[67][68]

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## Part V – Critical audit parameters

### Who benefits versus who is harmed

#### Direct beneficiaries:

- Elon Musk's companies: regulatory relief (\$2.37B+ avoided liability), government data access (potential \$43.4B value), deregulatory precedent, competitor intelligence via payment system access
- Political actors: campaign promise delivery, "Big Beautiful Bill" tax cuts framed as enabled by DOGE savings
- Project 2025 architects: 70+ Heritage Foundation officials hired; DOGE implemented key P2025 recommendations
- US rivals (China, Russia): filled power vacuums created by withdrawal of American foreign aid and diplomatic presence

#### Populations harmed:

- ~317,000 federal workers and families (disproportionately Black women – 33% of cuts despite 6% of labor force)



- 360,000+ people who died from international aid cuts
- Millions of elderly and disabled Americans facing SSA access barriers
- 90,000+ veterans losing home loan program access
- Scientific community (2,100+ grants, 44,000+ jobs, \$10B+ GDP losses from NIH alone)
- Low-income families (\$100M+ affordable housing contracts cancelled)
- Students (Education Department gutted, civil rights protections eliminated)
- Taxpayers (net cost: \$21.7B-\$135B confirmed, potentially \$500B+ in lost IRS revenue)

## Extractive versus regenerative assessment

DOGE is **extractive by every metric**. It extracted regulatory relief for its controller's companies, data from government systems, political capital from the narrative of "fighting waste," and institutional capacity from democratic governance infrastructure. It regenerated nothing. Where natural systems create surplus that feeds the whole, DOGE created deficit — costing more than it saved, destroying more than it built, and concentrating benefits in the single individual with the most pre-existing wealth.

## Technical obfuscation penalty

DOGE's use of technical complexity to hide extractive practices triggers the MRF's technical obfuscation penalty, already incorporated in the ET score. Specific mechanisms: the temporary organization legal structure (avoiding FACA requirements), SGE designation (avoiding financial disclosure), presidential records classification (preventing public access until 2034), and the "advisory" designation (claiming no authority while exercising it).

## System collapse without external oversight

Per the 7ES Controls analysis, DOGE exhibits **second-order systemic failure**: the oversight subsystem had to be destroyed for the parent system to function. The firing of 17 inspectors general, the OGE head, and the OSC head was not incidental — it was structurally necessary. A system that cannot tolerate accountability mechanisms without operational collapse proves, per the MRF, **fundamental design flaw**.

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## Part VI – Adversarial analysis

### Adversarial reading 1: The consumer protection case (Nader framework)

DOGE's claim: "We are eliminating waste and saving taxpayers money."

**Counter-evidence:** DOGE effectively shuttered the CFPB, which had returned **\$26 billion to consumers** since 2011.[25] The agency's destruction transfers approximately **\$10 billion annually** from household budgets to large banks through revoked credit card fee caps alone. DOGE cancelled dozens of CFPB enforcement orders, robbing consumers of millions in restitution from Toyota, Capital One, and Wells Fargo. Musk personally accessed CFPB headquarters before posting "CFPB RIP" — while his company X was developing payment processing services that would fall under CFPB jurisdiction.[17][25] The entity claiming to fight waste simultaneously eliminated the most cost-effective consumer protection agency in the federal government — one that returned **\$7.50 for every \$1 spent.**[25]

**Structural analysis:** DOGE's "efficiency" narrative inverts the actual economics. Eliminating the CFPB is not a savings; it is a **transfer of \$10B+ annually from consumers to banks and financial corporations** — including the controller's own fintech platform. This is regulatory capture operating under the rhetorical banner of public interest.

**Counterfactual:** A genuinely efficient government would have expanded the CFPB's mandate given its extraordinary return on investment, while applying its successful enforcement model to other agencies.

### Adversarial reading 2: Manufacturing consent around efficiency (Chomsky framework)

DOGE's claim: "The entrenched bureaucracy represents an existential threat to our republic." [8][77]

**Counter-evidence:** Media critics documented how major outlets initially framed DOGE as "some good-faith, post-ideological effort to 'cut costs'" while ignoring its explicit deregulatory agenda.[35][57] Joseph Kalmenovitz (University of Rochester) identified the core propaganda mechanism: "*Government efficiency* is a brilliant marketing tactic: it uses a harmless term to mask a massive deregulatory attempt." [35] The \$290 million in campaign contributions preceding DOGE's creation did not buy advertising — they bought the power to define what "efficiency" means for 340 million people.[21][24]

**Structural analysis:** The "efficiency" frame performs the classic Chomsky function of manufacturing consent: it establishes boundaries of acceptable debate (how to cut vs. whether to cut) while excluding the actual question (who benefits from these specific cuts?). As Georgetown's Don Moynihan wrote: "*If [DOGE] is seen in vaguely positive terms... its proposals are given a patina of legitimacy. If it is seen as an effort to assert oligarchic*

*control...fewer in Congress will support its ideas.*"[36] The framing battle was the real battle – and the initial media framing served DOGE's interests before investigative reporting caught up.

**Counterfactual:** An honest efficiency initiative would begin with transparent methodology, independent oversight, and explicit identification of who gains and who loses from each proposed change – precisely the elements DOGE systematically excluded.

## Adversarial reading 3: The hypocrisy of "fighting for the people" (Baldwin framework)

**DOGE's claim:** "Your money is being wasted. We're going to get the government off your back and out of your pocketbook." [77]

**Counter-evidence:** Black women comprised **33% of federal job cuts** despite being 6% of the labor force.[64] Federal employment has historically served as a critical pathway to Black middle-class prosperity; in states like Georgia (43.8%), Louisiana (37.6%), and Mississippi (34.8%), Black workers form enormous shares of the federal workforce.[64] DOGE eliminated programs serving precisely the communities its rhetoric claims to champion: veterans' home loan programs (veterans are 29.5% of Black federal workers);[63] SSA field offices serving elderly and disabled Americans; affordable housing contracts; food assistance; domestic violence support.[30][60] Meanwhile, DOGE's cuts were explicitly framed as enabling the "Big Beautiful Bill" tax cuts – which primarily benefit wealthy individuals and corporations.[77]

**Structural analysis:** The gap between DOGE's populist rhetoric and its distributive outcomes reveals what Baldwin would recognize as the central American hypocrisy: power speaking the language of liberation while engineering extraction. The system designed by the world's wealthiest individual, staffed by his employees, protecting his companies from regulation, funded by his campaign contributions, used the word "efficiency" to describe the transfer of wealth from the most vulnerable to the most privileged. *"Not everything that is faced can be changed,"* Baldwin wrote, *"but nothing can be changed until it is faced."*

**Counterfactual:** A system genuinely designed to help "the people" would begin by identifying who "the people" are – particularly the most vulnerable – and ensuring their needs are met before optimizing for anything else.

## Adversarial reading 4: The technocratic delusion (Scott framework)

**DOGE's claim:** "We can apply Silicon Valley methods to make government efficient." [8][77]

**Counter-evidence:** Andy Smarick (Law & Liberty) applied Scott's "Seeing Like a State" framework directly: *"Elon Musk knew virtually nothing about governing, our system, its institutions, its history, or its practices...he filled in the vast gaps with uncharitable speculation: It's all waste and abuse. Bureaucrats don't do real work. These jobs and tasks*

are meaningless." [37][38] This is the **high-modernist syndrome** Scott documented across history: confident outsiders impose simplified models on complex adaptive systems they don't understand, destroying the **mētis** (local, practical knowledge) that makes those systems actually work.[38]

**Structural analysis:** DOGE treated complex adaptive systems (healthcare delivery, scientific research, international diplomacy, food safety, veterans' services) as simple mechanical systems amenable to optimization by algorithm. The use of AI to "triage" VA contracts — which routinely misclassified agreements — exemplifies what Scott warned about: the violence of abstraction.[63][77] When you scan 200,000 federal regulations with an AI tool looking for keywords to eliminate, you are not achieving efficiency — you are achieving **legibility** at the cost of functionality.[77] The \$1.4 billion in already-spent NIH grants rendered useless, the 600 clinical trials disrupted at Johns Hopkins alone, the "only affordable option" for 90,000 veterans behind on home loans — these are not waste.[20][63] [77] They are the manifestation of complex systems serving complex needs that cannot be reduced to a line item on a spreadsheet.

The historical parallel is precise. Smarick noted: "*The life cycle of technocrats...is well documented. They enter with self-assurance and titanic promises...Results disappoint. Dysfunction grows. Eventually, the technocrats retreat, muttering that they would've succeeded but for the recalcitrance of the system.*" [38] Musk's admission that DOGE was only "a little bit successful" and that he wouldn't do it again is the final chapter of a predictable narrative arc.[77]

**Counterfactual:** A Scott-informed approach would begin with deep ethnographic study of how federal agencies actually function, identify the **mētis** embedded in existing practices, preserve what works while carefully modifying what doesn't, and respect the principle that **complex systems cannot be optimized by those who don't understand them.**

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## Part VII – Composite scoring and classification

### Summary table

Metric	Score	Classification	Threshold
FDP Global (raw)	<b>0.34/10</b>	Unnatural / Collapse-Prone	< 3.0
FDP Global (penalized)	<b>0.0/10</b>	Unnatural / Collapse-Prone	< 3.0 (with -0.5 penalty, floored)
DQD	<b>0.65</b>	Unnatural	0.6–1.0
OCF	<b>0.99</b>	Critical Collapse Risk	> 0.6

FDP Component	Score (0–10)	Weight	Weighted
Symbiotic Purpose (SP)	0.5	×3	1.50
Adaptive Resilience (AR)	1.0	×1	1.00
Reciprocal Ethics (RE)	0.3	×3	0.90
Closed-Loop Materiality (CLM)	0.5	×1	0.50
Distributed Agency (DA)	0.3	×2	0.60
Contextual Harmony (CH)	0.5	×1	0.50
Emergent Transparency (ET)	0.0	×3	0.00
Intellectual Honesty (IH)	0.2	×2	0.40

DQD Component	Score
Designer Traceability (DT)	0.95
Goal Alignment (GA)	0.10
Enforcement Dependency (ED)	0.90



OCF Component	Score
Recursive Belief Factor (B_R)	0.90
Observer Dependency (D_C)	0.88
Intrinsic Stability (T_S)	0.80

## Worst-case assumptions applied (per MRF >15% data withholding rule)

Because more than 60% of required audit data was actively withheld (presidential records classification, auto-deleting communications, FOIA refusal, Supreme Court disclosure exemption, no published methodology), the following worst-case assumptions were applied per MRF mandate:

- **All undisclosed Musk financial relationships** with government entities are assumed to represent conflicts of interest
  - **All auto-deleted Signal communications** are assumed to contain decision-making content that would demonstrate personal benefit to DOGE controllers
  - **All classified DOGE documents** are assumed to contain evidence of methodology absence and ideological rather than analytical decision-making
  - **All unverifiable "savings" claims** are assumed to be overstated at rates consistent with verified overstatements (30-100x)
  - **The global -0.5 FDP penalty** is applied, resulting in the floored score of 0.0/10
-

## Part VIII – System repair recommendations

Per the MRF's **80/20 rule**, repair interventions should target the two weakest FDPs first: **Emergent Transparency (0.0)** and **Intellectual Honesty (0.2)**.

However, the KOSMOS Framework's repair protocols assume a system that can be reformed. DOGE's OCF of 0.99 – the highest ever recorded – and its empirical collapse (declared nonexistent by November 2025) suggest that repair is moot for DOGE itself. The meaningful repair recommendations apply to the **meta-system**: future government efficiency initiatives.

### Biomimetic repair template: Ant Communication Model (for ET)

Any future government efficiency initiative must embed radical transparency as a structural feature, not an afterthought. Ant pheromone trails are not optional – they are the mechanism by which collective intelligence operates. Mandatory elements: real-time public methodology documentation, mandatory FOIA compliance from day one, independent auditor access, open data on all decisions and their justifications, and prohibition on auto-deleting communications for government business.

### Biomimetic repair template: Forest Adaptation Model (for AR)

Government reform must be iterative, adaptive, and informed by negative feedback – not rapid, irreversible, and punitive toward critics. Forests that survive fire do so because of diversity, redundancy, and regenerative capacity. A genuine efficiency initiative would: begin with extensive study of existing systems; pilot changes at small scale; measure outcomes before expanding; preserve institutional knowledge; and welcome rather than punish corrective feedback.

### Structural prerequisites for legitimate government efficiency reform:

- Integration with existing oversight (GAO, IGs, CBO) rather than destruction of oversight
- Full financial disclosure and recusal requirements for all participants
- Congressional authorization and appropriations oversight
- Published, peer-reviewable methodology with clear definitions of "waste" vs. "policy disagreement"
- Mandatory needs analysis, process mapping, and impact assessment before implementation
- Independent evaluation of all claimed savings by GAO or equivalent
- Distributional impact analysis ensuring reforms do not disproportionately harm vulnerable populations
- Sunset provisions with mandatory independent review before renewal

## Conclusion: what the audit reveals about systems and power

This KOSMOS Framework audit of DOGE reaches three findings that extend beyond the specific case.

**First, the absence of methodology is itself the methodology.** DOGE's lack of formal needs analysis, process mapping, or impact assessment was not an oversight – it was the design. A genuine efficiency initiative would require rigorous methodology precisely because distinguishing waste from essential function requires expertise, data, and care. The absence of methodology freed DOGE to define "waste" as whatever its controllers opposed, allowing ideological and financial interests to masquerade as analytical conclusions. The "close your eyes and shoot in any direction" approach is a confession, not a strategy.

**Second, the word "efficiency" performed the work that "efficiency" itself never did.** The rhetorical frame of efficiency provided political cover for an operation that, by every independent measure, made government less efficient and more expensive. This is the core finding of the FDP analysis: DOGE scored 0.0 not because efficiency is impossible, but because DOGE was not an efficiency initiative. It was a regulatory capture operation that used the language of efficiency as a permission structure. The IH score of 0.2 reflects a system whose stated identity and actual function share almost no overlap.

**Third, the OCF score of 0.99 predicted collapse that has now occurred, validating the framework's predictive power.** Systems that depend entirely on belief maintenance, require active conscious participation from observers, and possess no intrinsic institutional stability cannot survive sustained encounter with reality. DOGE's belief structure – that a billionaire with \$290 million in campaign contributions and conflicts at 70% of targeted agencies was fighting waste on behalf of taxpayers – could not survive empirical contact with \$2-7 billion in verified savings against \$21.7-135 billion in measured costs, 360,000 deaths, and the admission by its own Republican allies that the claims were a "massive exaggeration" they "always knew."

The system collapsed exactly as the OCF predicted. The only question is what grows in its place.

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## Appendix: Sources and references

**Citation system:** Numbers in brackets [1], [2], [3] throughout the main text correspond to numbered sources below. Multiple citations for a single claim [20][21][22] indicate convergent evidence from multiple independent sources.

### Official government sources

[1] White House. "Establishing And Implementing The President's 'Department Of Government Efficiency.'" Executive Order 14158, January 20, 2025.

<https://www.whitehouse.gov/presidential-actions/2025/01/establishing-and-implementing-the-presidents-department-of-government-efficiency/>

[2] Congressional Research Service. "Department of Government Efficiency (DOGE) Executive Order: Early Implementation." Congress.gov, 2025.

<https://www.congress.gov/crs-product/IN12493>

[3] U.S. Government Accountability Office. IT modernization recommendations and reports, 2024-2025.

[4] DOGE.gov website and "Wall of Receipts" (archived versions, 2025).

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## Methodology note

All FDP scores reflect worst-case plausible assumptions per MRF [ASSUMPTIONS] section where primary data is unavailable. Domain-specific weights were calibrated for governmental/political/technological systems, emphasizing democratic accountability principles (SP, RE, ET ×3; DA, IH ×2; AR, CH, CLM ×1). The >15% data withholding threshold was exceeded by approximately 4× (estimated 60%+ withholding), triggering mandatory -0.5 Global FDP penalty. Scoring methodology is consistent with prior KOSMOS audits of ICE, Mercy Culture Church, and FOX News, adjusted for domain-specific weights. All numerical scores include ethical justification in the body text.