

# Report on the Reality of ICT Obfuscation in Chiba City's GIGA School Initiative ~Technical Malpractice and Administrative Deception under the Guise of Google Workspace Operation~

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## 1. Introduction (Background)

This report details a series of critical issues concerning the implementation and operation of the GIGA School Program in Chiba City, Japan. In March 2025, I relocated from Sendai to Chiba City's Wakaba Ward with my son, Hiroto, a 9th-grade student who transferred to Kaizuka Junior High School. Due to inadequate handling by his homeroom teacher, Hiroto became truant within two weeks. During subsequent interactions with the Board of Education, I noticed significant discrepancies and unnatural practices in their stated "Google Workspace operation." The accidental disclosure of metadata from a Word document (revealing a creation time of "3:29 AM," contradicting the principal's testimony) served as a critical turning point, prompting a deeper investigation into Chiba City's educational ICT system and its concerning information obfuscation structure.

## 2. Structural Issues (Technical Analysis)

Our investigation has revealed that Chiba City's utilization of Google Workspace for Education is merely nominal, with the actual operational infrastructure deviating significantly from standard Google services. The core technical problems are as follows:

- **Discrepant Email Routing:** Despite public statements, email origins indicate a reliance on Microsoft Exchange-like systems routed through the CHAINS (Chiba City Administrative Information Network System, managed by NEC) rather than native Gmail.
- **Absence of Google Vault Logs:** As emails are not routed via Gmail, essential logs that should be preserved in Google Vault (Google Workspace's e-discovery and compliance feature) are entirely absent. This directly contradicts Google's official specifications for Vault, which mandates comprehensive logging of all operations, including retention policies and holds.
- **Critical DNS and Email Authentication Failures:** The primary domain

@city.chiba.lg.jp exhibits severe misconfigurations:

- **Non-existent MX Records:** No valid MX (Mail Exchange) records are publicly listed, making external email routing unpredictable or impossible.
- **Unconfigured or Failing SPF/DKIM/DMARC:** SPF (Sender Policy Framework), DKIM (DomainKeys Identified Mail), and crucially, DMARC (Domain-based Message Authentication, Reporting & Conformance) records are either unconfigured or consistently show a 'FAIL' status. This severely compromises email authenticity, security, and deliverability, rendering official communications susceptible to spoofing and rejection by other mail servers.
- **NEC/CHAINS Centrality:** Emails are observed to be routed through NEC-owned IP addresses (e.g., 114.179.203.24, 114.179.203.25) and explicitly pass through the CHAINS internal network (evidenced by chains.city.chiba.jp references and internal IP 10.155.10.11). Within this NEC/CHAINS-centric configuration, logs that would typically reside within Google services are conspicuously absent, creating a "black box" environment.

### 3. Departmental Verification (Accumulation of Evidence)

The consistent identification of the aforementioned problematic configuration across multiple key departments within Chiba City's educational and administrative hierarchy strongly suggests an organized and systemic "under-the-table" operation rather than isolated technical errors. We have confirmed this identical problematic structure in emails originating from:

- **Kaizuka Junior High School (School Level):** DMARC FAIL, NEC IP (114.179.203.24), CHAINS (chains.city.chiba.jp, 10.155.10.11).
- **Education Personnel Division (Teacher Management):** DMARC FAIL, NEC IP (114.179.203.24), CHAINS (chains.city.chiba.jp, 10.155.10.11).
- **Reform Promotion Division (ICT Implementation):** DMARC FAIL, NEC IP (114.179.203.24), CHAINS (chains.city.chiba.jp).
- **Health & Physical Education Division (Student Management):** DMARC FAIL, NEC IP (114.179.203.25), CHAINS (chains.city.chiba.jp, 10.155.10.11).
- **Education Guidance Division (Educational Policy):** DMARC FAIL, NEC IP (114.179.203.25), CHAINS (chains.city.chiba.jp).

This widespread pattern across different functional areas within the Board of Education and direct school operations underscores the deliberate and systemic nature of this opaque ICT setup.

### 4. Real-world Impact and Obstruction

The technical misconfigurations have led to tangible negative impacts and appear to serve as a mechanism for obstructing accountability:

- **MP3 Audio File Blocking:** Our attempts to send MP3 audio files to city departments were repeatedly blocked. Despite official claims from Chiba City that "no settings are in place to reject specific file formats (MP3)," Google's Mail Delivery Subsystem unequivocally returned a "554 5.7.1 This message has been rejected because it contains prohibited content" error. This definitively proves an intentional blocking policy, preventing the submission of crucial evidence or communications.
- **PDF File Blocking (Partial):** Evidence suggests that even PDF documents are being unilaterally blocked by some departments, making formal submission of materials exceedingly difficult.
- **Obstructing Evidence Submission:** The combined effect of these blocking policies, coupled with the lack of auditable logs in Google Workspace, creates a system where critical information, evidence, and formal complaints related to administrative impropriety or educational issues can be physically prevented from reaching the relevant authorities, or their existence denied.

## 5. Conclusion and Call to Action

The GIGA School Initiative in Chiba City, while publicly stating the adoption of Google Workspace for Education, is in fact operating a system that fundamentally subverts Google's core principles of transparency, auditability, and data governance. This setup, heavily reliant on NEC's CHAINS infrastructure and Sky Corporation's SkyMenu, appears to be designed to:

- **Bypass Google's Native Logging:** Intentionally routing communications and data outside of Google Workspace's auditable features like Vault and Classroom.
- **Obscure Information:** Employing technical configurations (e.g., missing MX records, DMARC failures, X-Forwarded-Encrypted headers) that make external verification and internal traceability impossible.
- **Evade Accountability:** Systematically denying the existence of logs that, by Google's own design, should be irrefutably present, thereby avoiding responsibility for actions and policies.

This constitutes a significant misuse of the Google brand and poses a serious risk to its reputation in the public education sector. We urge Google to:

1. **Conduct a thorough internal audit** of its contractual agreements and operational integrations with Chiba City regarding Google Workspace for Education.

2. **Investigate the technical discrepancies** outlined in this report to ascertain the extent to which Google's services are being circumvented or misused.
3. **Review the compliance and ethical implications** of Chiba City's current ICT operations, particularly concerning data governance and transparency.
4. **Take necessary action** to ensure that Google's brand integrity and commitment to educational transparency are upheld.

This matter deeply affects the fairness of education and undermines taxpayer trust. Prompt and decisive action is required.

Sincerely,

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