

ZEWM_EXCMON

REC-041 SPATIAL RECONSTRUCTION

Governance failure / cold-chain exception investigation

FORENSIC SPATIAL RECONSTRUCTION
MALINYX / ZEWM_EXCMON
CYCLES / A4 300DPI

01

SPATIAL LEGEND

- VIOLET PANEL**
Governance recurrence cluster
- RED SLA RAIL**
Breach pressure / unresolved escalation
- EVIDENCE TABLE**
Physicalized CAPA and ownership fragments
- DARK ROOM**
Institutional system memory / inactive infrastructure



MX_ZEWM_EXCMON_REC041_HERO_v02

INSTITUTIONAL EVIDENCE CHAMBER – STATIC RECONSTRUCTION

EVIDENCE SIGNALS

- REC-041**
Reefer temp excursion
- 7 INCIDENTS / 48H**
Recurring cold-chain failure pattern
- RPN 312 → 334**
Risk increasing after detection
- CAPA-2241 STALE 11D**
Corrective action unresolved
- ROOT UNVERIFIED**
No confirmed institutional cause
- OWNER: UNASSIGNED**
Authority migration / ownership gap

THESIS

The failure was not a missed alert.
It was an inherited governance condition.

EVIDENCE TABLE – RECOVERED ARTIFACTS

01 / 06

WARNING

CAPA-2241 STALE 11D

Corrective action opened, not closed.

02 / 06

GOVERNANCE

OWNER: UNASSIGNED

Authority migrated without documented handoff.

03 / 06

ARCHIVE

REEFER-MON-VQ1 DEAD

Monitoring dependency inactive at time of recurrence.

04 / 06

FAILURE

ESCALATION BLOCKED

Exception path failed before institutional response.

05 / 06

SYSTEMS

SYNC AGE: UNKNOWN

Data freshness could not be verified.

06 / 06

HUMAN ADAPTATION

AUDIT GAP / SHIFT B-2

Human workaround layer not captured in official trace.

GOVERNANCE PATTERN

The artifacts do not describe a single operator error. They describe a **broken chain of institutional ownership**.

OBSERVED PATTERN

- corrective action remained stale
- owner field unresolved
- monitoring dependency inactive
- escalation path blocked
- data freshness unknown
- human workaround undocumented

THESIS

The table does not contain evidence of one mistake.
It contains evidence of a system that no longer knew who owned the exception.

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MONITOR WALL / RECURRENCE PANEL

Seven cold-chain exceptions recorded across forty-eight hours

03

RECURRENCE WALL – TEMP EXCURSION × 7 / 48H

INC-01 / TEMP EXCURSION / ACK DELAYED State: breach detected, delayed acknowledgement	BREACH
INC-02 / TEMP EXCURSION / OWNER PENDING State: ownership field unresolved	GOVERNANCE
INC-03 / TEMP EXCURSION / ESCALATION MISROUTED State: exception path failed	FAILURE
INC-04 / TEMP EXCURSION / CAPA LINKED State: corrective action attached but unresolved	WARNING
INC-05 / TEMP EXCURSION / SYNC AGE UNKNOWN State: data freshness could not be verified	SYSTEMS
INC-06 / TEMP EXCURSION / SHIFT B-2 WORKAROUND State: unofficial human adaptation recorded	HUMAN ADAPTATION
INC-07 / TEMP EXCURSION / ROOT UNVERIFIED State: institutional cause remained unconfirmed	RECURRENCE

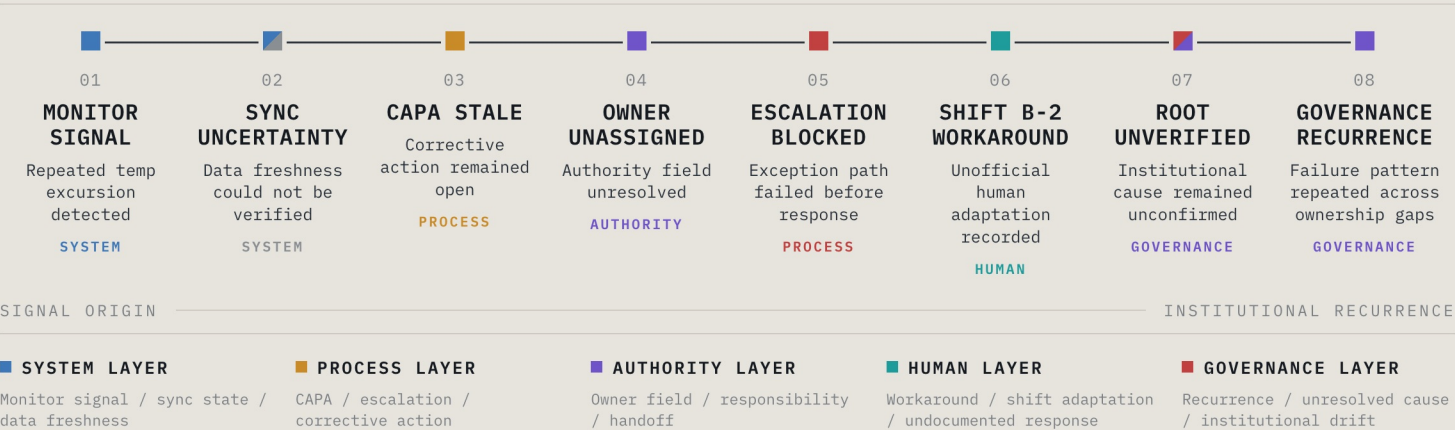
RECURRENCE INTERPRETATION

The monitor wall did not fail to display the exception. It failed to convert repeated signals into accountable institutional action.
OBSERVED RECURRENCE
■ 7 incidents across 48h
■ increasing RPN: 312 → 334
■ stale CAPA remained open
■ owner field unresolved
■ escalation path blocked
■ root cause unverified

THESIS

The system kept seeing the event.
The institution stopped converting visibility into responsibility.

SYSTEM-CHAIN MAP – EXCEPTION OWNERSHIP PATH



CHAIN INTERPRETATION

The failure chain did not collapse at one point. It weakened across multiple institutional layers until the exception no longer had a stable owner.

- OBSERVED CHAIN
- signal visibility remained present
 - data confidence became uncertain
 - corrective action stayed open
 - ownership failed to resolve
 - escalation path blocked
 - human workaround absorbed pressure
 - root cause remained unverified
 - recurrence became normalized

THESIS

The chain did not break because one component failed.
It failed because responsibility moved faster than documentation.

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CASE STUDY SUMMARY

A forensic systems investigation into cold-chain governance failure

PROJECT TYPE

Forensic Systems Investigation

CATEGORY

Institutional fragmentation / governance drift / operational failure

CORE THESIS

ZEWM_EXCMON investigates how a critical cold-chain logistics incident became possible after **institutional systems fragmented over time**.

The failure was not a software bug or a single operator mistake. It emerged from governance drift, abandoned infrastructure, duplicated systems, undocumented workarounds, authority migration, and operational adaptation.

MALINYX POSITION

We do not design systems.
We investigate them.

ROLE / CONTRIBUTION

- systems investigation framing
- forensic information architecture
- evidence taxonomy
- spatial reconstruction direction
- governance-chain mapping
- portfolio art direction

METHODS USED

- incident reconstruction
- evidence clustering
- institutional behavior mapping
- failure-chain analysis
- recurrence pattern mapping
- semantic color coding
- recruiter-facing portfolio synthesis

OUTPUTS CREATED

- REC-041 spatial reconstruction
- governance artifact table
- recurrence monitor wall
- failure-chain system map
- MALINYX visual system
- portfolio-ready A4 evidence frames

WHY IT MATTERS

This project demonstrates the ability to translate fragmented operational evidence into a **clear visual system**.

It is relevant to:

- product strategy
- service design
- systems design
- design research
- operational UX
- risk visualization
- enterprise product design
- governance-heavy environments

01 / SPATIAL RECONSTRUCTION

Where the failure lived

REC-041 evidence chamber

02 / GOVERNANCE ARTIFACTS

What the failure left behind

Physicalized CAPA / ownership

03 / RECURRENCE PANEL

How the failure repeated

7 incidents / 48h

04 / SYSTEM MAP

Why ownership collapsed

Exception ownership path

ZEWM_EXCMON turns institutional ambiguity into visible evidence.

FIXED LEFT META – DESKTOP STICKY

INTRO / PROJECT THESIS

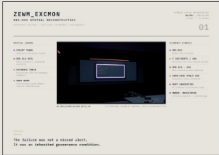
A critical cold-chain incident did not emerge from one missed alert. It emerged from **fragmented systems, stale corrective action, unresolved ownership, blocked escalation, undocumented workarounds, and institutional drift.**

We do not design systems.
We investigate them.

WEBSITE SCROLL ORDER

- 01 INTRO project thesis
- 02 INCIDENT ROOM spatial reconstruction
- 03 EVIDENCE TABLE governance artifacts
- 04 RECURRENCE WALL repeated exceptions
- 05 SYSTEM MAP ownership collapse
- 06 SUMMARY recruiter-facing case study

LANDING SECTIONS – FULL-WIDTH SCROLL PREVIEW



01 / SPATIAL RECONSTRUCTION

Where the failure lived

SECTION 02 – INCIDENT ROOM



02 / GOVERNANCE ARTIFACTS

What the failure left behind

SECTION 03 – EVIDENCE TABLE



03 / RECURRENCE PANEL

How the failure repeated

SECTION 04 – RECURRENCE WALL



04 / SYSTEM MAP

Why ownership collapsed

SECTION 05 – SYSTEM MAP



05 / CASE STUDY SUMMARY

Why the investigation matters

SECTION 06 – SUMMARY

VIEW FULL INVESTIGATION

CONTACT MALINYX

DOWNLOAD CASE STUDY PDF

ZEWM_EXCMON turns institutional ambiguity into visible evidence.