GOVERNANCE across every layer

- Handling & classification
- Access & permissions
- Split environment
- Owner & stewardship
- Reviewer & approvals
- Retention & lifecycle

These controls run through every layer, all the time.

7 — DECISION / ACTION

What decision is being made? Who owns it? What happens next?

Examples: crew movement, escalation, publication to communities, funding decisions, operational response changes, investigations

6 — OUTPUTS / DATA PRODUCTS

What people and AI tools use to understand and act

Examples: dashboards, reports, spreadsheets, AI summaries, briefing notes, decision slides

Need: source, as-of date, owner, caveat, handling, review path

5 — VERIFICATION / CONTROL RULES

What must be true? What checks run? What exceptions are allowed?

Examples: uniqueness, PO-to-invoice matching, freshness checks, reconciliation, thresholds, exception rules, handling / access checks

4 — DEFINITIONS / MEANING

What do our terms and metrics mean in this context?

Examples: active, available, deployed, degraded, resolved, operational, site, asset, incident, in footprint

Includes: inclusions, exclusions, owner, version

3 — MOVEMENT / TRANSFORMATION

How data moves and is shaped on its way to outputs

Examples: extracts, pipelines, ETL, manual refresh, copy/paste, spreadsheets, scripts, AI retrieval, calculations

Need: lineage, refresh process, logic, runbook

2 — SOURCES

Where the data comes from

Examples: source systems, asset registers, vendor feeds, incident systems, dashboards, spreadsheets, meeting notes, transcripts

1 — REAL-WORLD EVENTS

The things that actually happen

Examples: incidents, outages, field work, asset changes, purchases, faults, maintenance, site visits

FEEDBACK / REPAIR LOOP

When something is wrong, unclear, stale, or unsafe:

- Wrong answer or bad output
- Stale source or refresh
- Unclear definition
- Missing or wrong owner
- Unsafe combination
- Handling or access issue

-> Report, fix, relabel, retire, update guide.

AI accelerates movement from source to output.

That means weak definitions, stale sources, missing owners, bad refresh processes and unsafe handling reach the decision layer faster.

A trustworthy data system makes the right thing the easy thing - for people and approved AI tools.