

Decision advantage is changing course together.

Grids turns changing facts, dependencies, constraints, and policy into one inspectable model for coordinated, accountable decisions.

EXECUTABLE DECISION INFRASTRUCTURE

A field brief for defense and government decision teams



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THE PROBLEM IS BETWEEN SYSTEMS

The facts can be current. The decision can still be stale.

Operational plans, logistics assessments, policy, and authority often move on different clocks. People reconcile them in exports, briefings, and private spreadsheets after a consequential fact has already changed.



DOCUMENTED INSTITUTIONAL PATTERN

GAO reported that planners gathered operational and logistics information separately, then combined it in documents and slides to judge whether a course of action was feasible. A later experiment integrated two systems so planners could see logistics problems and adjust the course in real time.

GAO-25-106454 / Defense Command and Control

What is the authoritative model behind your common operating picture?

Each source pattern connects to an explicit model proposition and a measurable decision path.

FROM VIEW TO MODEL

A picture shows the state. A model shows what the state means.

COMMON OPERATING PICTURE

What is happening?

- Current status and overlays
- Alerts and summarized indicators
- Useful views for different roles

A picture does not encode the decision logic.

COMMON OPERATING MODEL

Can the plan work?

- Facts and dependencies
- Constraints, uncertainty, and policy
- Bounded alternatives with inspectable reasons
- Attributable human decision evidence

Grids is executable decision infrastructure: authored mission or policy logic, evaluated by a common runtime, available through the interfaces each role needs.

ONE MODEL STATE

VISIBLE LOGIC

MULTIPLE VIEWS

The interface can change without rebuilding the meaning of the decision.

A COORDINATED DECISION PATH

From one changed fact to an accountable decision.

**GRIDS**

Model / recalculate / evaluate / explain

INTEGRATION

Source authority / identity / delivery receipts

PEOPLE + ORGANIZATION

Policy / role authority / operational action

The model keeps inputs, dependencies, consequences, evidence, and authority visible through the decision path.

CASE 01 / 72-SECOND PLANNING SCENARIO

Every system works. The system does not.

[WATCH AT GRIDS365.FYI/FSN](#)**DOCUMENTED**

GAO described operations and logistics being gathered separately, then reconciled in documents and slides to assess course-of-action feasibility.

THE FILM

One logistics fact changes. Three views remain valid for different revisions. A configured binding updates one decision model; a human records the external decision.

MEASURE

Time to revised feasibility, manual reconciliation steps, conflicting revisions, synchronized assessments, and rejected options with an inspectable reason.

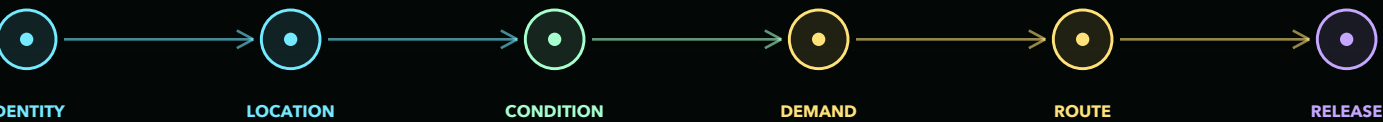
MODEL PATH

One logistics revision propagates through the dependent schedule, exposes lost margin, evaluates authored branches, and records the human decision with its source and model revision.

CASE 02 / 42-SECOND LOGISTICS SCENARIO

Inventory is not availability.

A part has value only when evidence and transport make it usable in time.



DOCUMENTED PATTERN

GAO documented backlogs, duplicate requisitions, inadequate visibility and prioritization, and systems that were not fully interoperable. Later integration gave thousands of users near-real-time shipment and stock visibility.

GRIDS PROPOSITION

Author identity, condition, freshness, priority, and provenance. Match demand to eligible stock. Test a bounded allocation and route. Present the evidence and margin for human authorization.

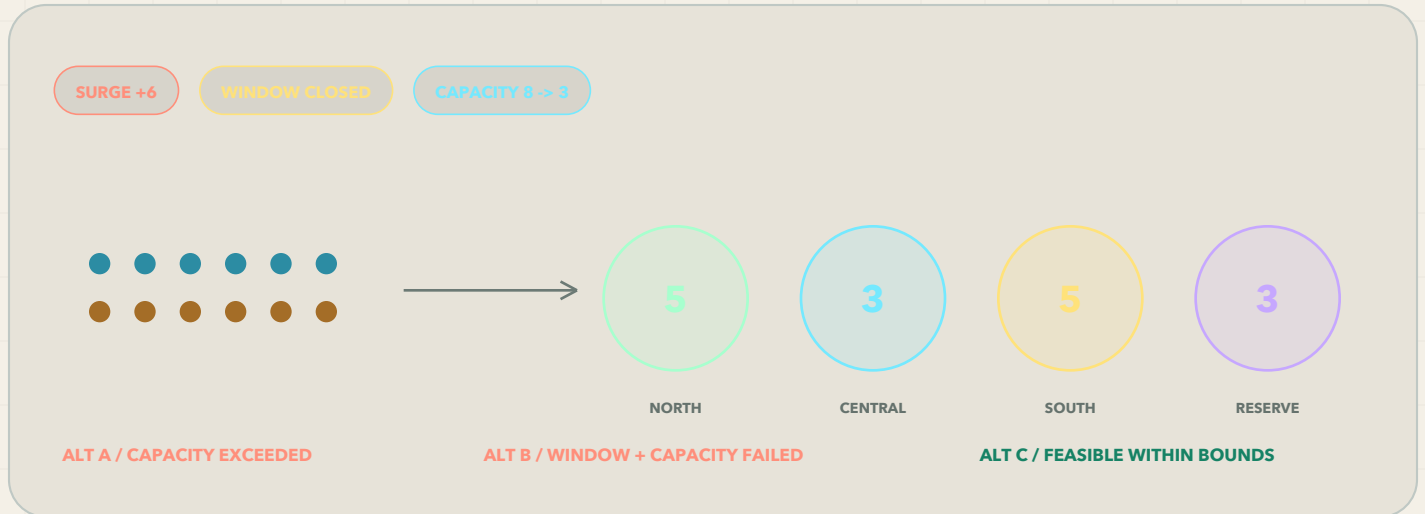
DECISION CHAIN

The model connects identity, condition, freshness, demand, route, evidence, and authorization so inventory becomes a decision-ready resource.

48-SECOND MEDICAL PLANNING SCENARIO

The medical plan must move before the next patient does.

A planning scenario connects changing demand, staffed capacity, transport, time, and qualified medical command.



RESEARCH BASIS

A 2025 peer-reviewed proof of concept reported limits in static casualty estimates and a need for predictive evacuation and medical-resupply planning.

HUMAN AUTHORITY

The model compares authored alternatives and exposes evidence and uncertainty. Qualified medical command reviews and authorizes the decision.

WHAT THE MODEL ADDS

Changed inputs, capacity, evidence, uncertainty, and alternatives remain visible while qualified medical personnel retain clinical and operational authority.

GOVERNANCE + FEDERATION

Move faster without hiding the authority boundary.

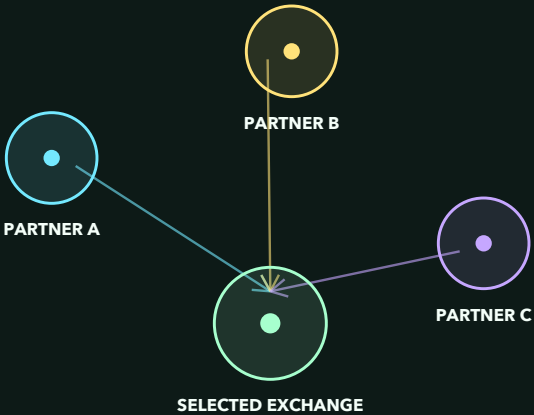
AI WITH HUMAN AUTHORITY

One explicit model.
One governed path.



COALITION INTEROPERABILITY

Shared meaning.
Preserved boundaries.



Local models publish explicitly configured, typed, revisioned outputs. Signed packages and governed interfaces can coordinate logic without automatically publishing every local detail.

Configured exchange keeps model version, allowed outputs, organization, and receiving authority explicit.

PUBLIC PRIORITIES

Open DAGIR emphasizes government-owned interoperable repositories and a multivendor ecosystem. GAO's AI framework centers governance, data, performance, and monitoring. NATO's FMN and CWIX demonstrate why interoperability must be designed before a mission.

A CREDIBLE FIRST STEP

Proof starts with one bounded workflow.

Bring one changing fact, one hard constraint, and one accountable decision. Establish the manual baseline first, then compare the modeled workflow.

GOOD FIRST EVALUATIONS

 COA FEASIBILITY ASSET VISIBILITY MAINTENANCE READINESS MEDICAL SURGE

MEASURE

- Manual baseline time
- Stale or contradictory states detected
- Explanation completeness
- Changed input to revised conclusion
- Options returned with explicit status
- Human decision evidence and downstream acknowledgment

SUPPORTED ARCHITECTURE

Incremental graph; bounded solvers; predicates and WHY; selected exchange; local and server modes.

PROVE IN CONTEXT

Domain model validity; source integration; latency; usability; downstream behavior; mission impact.

OPERATIONAL READINESS

ATO and accreditation; cross-domain behavior; DDIL synchronization; field integration; operator acceptance.

Use measured baselines and repeatable evidence to evaluate performance and mission impact.

START WITH ONE DECISION

Bring the workflow that cannot wait for the next briefing.

We will map the facts, dependencies, constraints, authority boundary, and measurable baseline - then show what a common operating model would need to prove.



BRIEF + FILMS
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PRIMARY SOURCES

- | | | | |
|----|--|----|--|
| 01 | GAO-25-106454 / Defense Command and Control | 06 | Open DAGIR / government-owned interoperable repositories |
| 02 | GAO-04-305R / Logistics During Operation Iraqi Freedom | 07 | DoD AI Rapid Capabilities Cell / priority use cases |
| 03 | GAO-05-775 / Defense Logistics | 08 | GAO-21-519SP / AI Accountability Framework |
| 04 | GAO-12-138 / Afghanistan Supply and Distribution | 09 | NATO / Federated Mission Networking |
| 05 | PubMed 40523074 / Automated Battlefield Trauma System | 10 | NATO / CWIX 2026 |

Use these sources to frame the baseline, then bring one decision workflow to grids365.fyi/fsn.