TA-14 / GOVERNANCE WORKSHOP ATLAS

WHEN THE AIR OUTSIDE BECOMES THE THREAT

From environmental measurement to authorized building action

The window decision: a virtual library in Lagos, then Canada

An eight-lesson educational companion for the proposed Become the Building BIMStorm exercise. Prepared for independent examination of evidence, authority, standing, consequences, and lifecycle verification.

Central question
Does this proposed consequence have sufficient Admissible Evidence, Applicable Authority, and Established Standing to become reality NOW?

CONTEXT	WHAT IS BEING TESTED
Lagos virtual library	Can a proposed window opening or closure be justified when outdoor pollution is a concern?
Relocated Canadian library	What changes when environmental context, legal obligations, owner requirements, and delegated authority change?
TA-14 execution boundary	Why a sensor reading or AI recommendation does not itself confer permission to act.

Status. Hypothetical educational exercise. No real facility, live measurement, approved control sequence, verified local legal duty, partner endorsement, or operational deployment is asserted.

01 / The decision in one page

Start with a proposed consequence, not a dashboard.

Decision request: Close specified operable windows in a virtual public library because outdoor particulate pollution may threaten occupants. The exact windows, control duration, and current state must be stated before evaluating the request.

OBSERVE

Collect outdoor and indoor pollutant readings with provenance, uncertainty, and relevant conditions.

INTERPRET

Assess likely exposure and competing consequences: particles, ventilation, CO2, temperature, humidity, and safety.

AUTHORIZE

Identify the actual governing instruction, qualified decision-maker, delegation scope, and current standing.

DECIDE

Return ALLOW, HOLD, DENY, or ESCALATE for this narrowly specified action.

EXECUTE & VERIFY

Only an authorized action proceeds; log actual state, outcomes, exceptions, and later reassessment.

Boundary condition: A HOLD on a discretionary automated window command must not block separately authorized fire, smoke-control, or emergency life-safety functions.

02 / Eight distinct showroom lessons

Each visual should teach a different governance question; the PDF is the technical companion, not a substitute for the illustrations.

01 The Library in Lagos

Owner purpose, public occupancy, building boundary, and a hypothetical pollution episode. Visual: Exterior virtual library and Lagos context.

02 The Window Decision

Precisely specify open, close, or retain state; compare exposure and environmental tradeoffs. Visual: Interior cross-section with window and airflow pathways.

03 Can We Trust the Evidence?

Inspect device identity, placement, calibration, timestamps, uncertainty, and continuity. Visual: Sensor-to-attributable-record chain.

04 Prediction Is Not Permission

Show a model recommendation separate from the authority to issue a command. Visual: Two clearly separated panels: prediction and authorization.

05 The Execution Boundary

Apply Admissible Evidence, Applicable Authority, and Established Standing. Visual: Four-outcome gate: ALLOW / HOLD / DENY / ESCALATE.

06 Who Has Authority?

Distinguish owner, operator, engineer, public authority, and community steward. Visual: Role-to-action responsibility map.

07 Same Building, Canada

Re-establish conditions, applicable rules, owner duties, and delegation. Visual: Relocated virtual library; new jurisdictional context.

08 Prove It Over Time

Retain decisions, exceptions, outcomes, corrections, and renewed authorizations. Visual: Chronological evidence and asset lifecycle record.

03 / Evidence admission record

A single index or sensor observation is not a complete authorization record.

RECORD FIELD	REVIEWABLE MINIMUM
Observed condition	Pollutant and units; indoor/outdoor location; relevant exposure and time window.
Provenance	Device ID, custodian, calibration, placement, time source, and revisions.
Quality	Uncertainty, gaps, drift, conflicting measurements, and corroboration.
Operational context	Occupancy; window state; ventilation and filtration; weather and safety conditions.
Requested consequence	Exact windows, command, duration, expected effects, reversibility, and failure behavior.
Authority & standing	Applicable instrument or rule; responsible actor; valid delegation and scope at execution time.
Verification	Actual commanded and observed state; post-action environmental result; exceptions and owner of follow-up.

Keep the variables distinct

Outdoor PM2.5, indoor PM2.5, CO2, thermal comfort, relative humidity, ventilation effectiveness, filtration state, and occupant needs can conflict. A simplified AQI value does not resolve those tradeoffs.

> Admission test: Is the evidence attributable, temporally relevant, sufficiently reliable for this action, and available for independent challenge?

04 / Execution boundary and outcomes

The decision applies to a particular request, not to the entire building or every safety function.

OUTCOME	INTERPRETATION	FOLLOW-THROUGH
ALLOW	All required evidence, authority, and standing conditions are met.	Execute only within authorized scope; verify and record.
HOLD	A potentially resolvable gap prevents this discretionary action now.	Preserve state and evidence; assign a reviewer and resolution path.
DENY	The requested action is prohibited or lacks a permissible authorization path under current conditions.	Reject the command; record grounds and any permissible alternatives.
ESCALATE	A designated qualified professional or higher authority must decide.	Route to the authorized party; no implicit permission to execute.

Authority and standing are not synonyms

Applicable Authority: What verified rule, professional mandate, owner instruction, or emergency procedure governs this exact action? What is its scope and priority?

Established Standing: Is this particular person or automated system currently permitted to invoke that authority for these windows, under these conditions, at this time?

A decision record should identify the governing instrument, its version, delegation evidence, decision timestamp, actor, action scope, and reasons for the outcome.

Emergency safeguard: Independently authorized emergency and life-safety actions retain their own priority and operating pathways. This exercise does not define or modify those pathways.

05 / Worked hypothetical: the responsible HOLD

Illustrative facts, not live data or an actual commissioned control sequence.

Scenario: Outdoor particulate readings suggest elevated pollution. The outdoor sensor has uncertain calibration. An indoor sensor reports a lower reading. An analytics model recommends closing windows, but the vendor has no documented current window-control delegation.

QUESTION	WORKSHOP FINDING
What do we know?	Possible outdoor pollution concern; incomplete measurement quality and conflicting contextual evidence.
What is proposed?	An automated command to close designated operable windows.
What is missing?	Corroborated evidence and documented authority/standing for the vendor-issued command.
Decision	HOLD this discretionary automated command; refer unresolved safety concerns through authorized channels.
What does HOLD not mean?	It does not mandate that windows stay open, establish safety, or interrupt independent emergency systems.
What resolves it?	Qualified evidence review, verified decision authority, current delegation, and a fresh action-specific evaluation.

Example decision record

ELEMENT	ILLUSTRATIVE ENTRY
Requested action	CLOSE / specified operable windows / virtual library
Evidence status	Incomplete - outdoor calibration uncertain
Authority status	Unverified delegation for requesting vendor
Decision	HOLD - discretionary command only
Next responsible party	Facility owner/operator to identify qualified reviewer
Audit trail	Retain inputs, model output, decision reason, timestamp, and later reassessment

06 / Lagos to Canada: re-establish permission

The same digital model does not carry the same operating authority across jurisdictions.

DIMENSION	REVALIDATION QUESTION
Environment	What hazards, weather patterns, indoor conditions, and credible observations actually apply?
Legal and safety	Which verified local building, fire, health, accessibility, and emergency requirements govern?
Owner requirements	What public-service promise, operating objectives, and emergency obligations have been formally adopted?
Building design	Are windows operable? How do mechanical ventilation, filtration, pressure, and smoke controls interact?
Decision rights	Who owns the asset, operates it, delegates controls, and independently reviews contested actions?
Lifecycle assurance	Who tests outcomes at commissioning and after interventions, failures, or policy changes?

Illustrative responsibility map

PARTY	POTENTIAL ROLE - NOT ASSIGNED
Owner	Define outcomes, obligations, and accountable governance.
Qualified professional	Determine technical constraints and approved safety procedures.
Facility operator	Act within documented delegation and retain operational records.
Public/community representative	Exercise only formally established authority and stewardship roles.
TA-14 layer	Assess action-specific evidence, configured authority, and standing; preserve traceability.

Jurisdictional caution: No specific Nigerian or Canadian law is established by this document. Local legal and engineering verification is required before real-world implementation.

07 / Independent examination

The goal is to expose unresolved boundaries, not to imply that every answer is already known.

CASE A / Unreliable evidence

An outdoor sensor exceeds a proposed threshold but is out of calibration. What corroboration and uncertainty standard would justify a new decision?

CASE B / Wrong actor

A vendor requests closure without a current delegation. Is the request DENIED or HELD under the applicable governance policy, and who can issue a valid request?

CASE C / Emergency conflict

A discretionary HOLD coincides with an independently authorized smoke-control response. How is the emergency path preserved and verified?

CASE D / Relocation

A Lagos control policy is copied into a Canadian library. Which rules, roles, assumptions, and approvals must be re-established?

Five-minute contribution to the workshop

TIME	FOCUS
0:00-1:00	State owner outcome and exact requested window action.
1:00-2:00	Identify evidence provenance, uncertainty, and consequences of error.
2:00-3:00	Ask which authority applies and who has standing.
3:00-4:00	Demonstrate a bounded HOLD without overriding emergency systems.
4:00-5:00	Show the reviewable record; invite challenges and corrections.

08 / What the workshop can establish

A disciplined demonstration should end with explicit findings and open questions.

CAN DEMONSTRATE CONCEPTUALLY	REQUIRES SEPARATE VALIDATION
Action-specific evidence / authority / standing logic	Sensor performance, site data, and environmental thresholds
Decision outcomes and recorded rationale	Certified control sequences and equipment integration
Illustrative review and escalation paths	Verified local legal authority and formal delegations
Lifecycle record requirements	Actual independent commissioning and ongoing audits
A repeatable challenge exercise	Owner adoption, commercial scope, liability, and contractual terms

Suggested next steps after the session

- Capture which owner outcome and window action the participants agree to test.
- Identify the actual owner, operator, qualified technical authority, and community roles for a future pilot.
- Agree on required evidence fields, uncertainties, and the safety-system boundary.
- Select one independently reviewable acceptance test before discussing implementation or payment.

Independent-review invitation: Which claim is unsupported? Which actor lacks authority? What evidence would change the decision? Which safety function must remain independent?

Source and attribution

Scenario basis: Michael Bordenaro emails dated November 12, 2026 concerning a focused virtual workshop and the Knowledge Graph input. Governance framing: TA-14 Admissible Execution Architecture (AEA), Environmental Integrity Governance (EIG), and Atmospheric Integrity Records (AIR).

Workshop reference: https://sites.google.com/onuma.com/becomethebuildingbimstorm/Missions/Knowledge-Graph

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