



WATCH | PUBLIC-SOURCE TECHNICAL DOSSIER

Global Shipping Chokepoint Watch

DECISION QUESTION

What changed at major shipping chokepoints, and does it change the previous assessment?

EXECUTIVE POSITION

As of the 2026 evidence cut-off used here, the Red Sea remained an active security and routing risk rather than a closed historical disruption. IMO statements in July and August 2026 recorded renewed attacks and urged operators to reassess risk. A WATCH product is therefore more appropriate than a static one-time conclusion for route-dependent decisions.

Product	WATCH
Product purpose	Know when the answer changes. Define monitored propositions, trigger conditions, refresh cadence and escalation.
Sector	Maritime / logistics / geopolitical risk
Jurisdiction	Red Sea / Suez / Strait of Hormuz / global
Status	CONTROLLED PUBLICATION CANDIDATE - HUMAN APPROVAL PENDING
Evidence cut-off	8 September 2026, 07:38 SAST
Issue	8 September 2026 Version 2.0
Governing master	PHW Research AI v11.0 Approved Governing Master
Document code	APW-WAT-260908-07

REALITY BEFORE RELIANCE | VERIFICATION BEFORE INTERPRETATION | EVIDENCE BEFORE NARRATIVE

Independent public-source case study - not a client engagement. No conclusion stronger than the available evidence. Final human approval remains pending.

Package control & evidence architecture

Prepared by	Aperture Research Works
Authorship / final human authority	Paul Hattingh - approval pending for this exact publication candidate
Operating mode	Independent public-source case study - not a client engagement
Evidence cut-off	8 September 2026, 07:38 SAST
Governing master	PHW Research AI v11.0 Approved Governing Master
Research readiness	95/100 - ready for controlled dossier construction with specified limitations
Evidence sources	13
Controlled propositions	19
Page count	30
Publication state	CONTROLLED PUBLICATION CANDIDATE - HUMAN APPROVAL PENDING
Professional boundary	No legal advice, engineering certification, audit opinion, actuarial opinion, investment advice or other reserved professional determination is provided.

Six-document package

Doc	Controlled document	Function
1	Principal Investigative Dossier	Decision answer, scope, findings, technical analysis, hypotheses, contradictions, gaps, risk and hand-off controls.
2	Claims-and-Evidence Matrix	Proposition-by-proposition traceability with factual status, confidence, reliance and Source IDs.
3	Master Chronology	Time-ordered record separating baseline, event, correction, update and current-status evidence.
4	Source and Evidence Register	Visible URLs plus source authority, role, limitation, dependence and supported propositions.
5	Public Portfolio Edition	Concise demonstration suitable for public website display while preserving material caveats.
6	Final Delivery Manifest	Production conformity, readiness, release gates, web links, supersession and hash-control architecture.

Reader workflow

- Start with the decision question and executive position.
- Test every material finding in Document 2 against its S-IDs.
- Use Document 3 to determine whether a later event changes an earlier proposition.
- Use Document 4 to inspect provenance and limitations directly at source level.
- Do not strip caveats when transferring a proposition into another decision document.
- Use Document 6 before release to confirm that the package and website remain synchronized.

DOCUMENT 1

Principal Investigative Dossier

The principal dossier establishes the bounded answer, shows how the evidence was tested and makes the decision dependencies visible.

How to use this document

- Read the executive answer first.
- Follow each material finding to its C-ID and S-ID.
- Treat exclusions, gaps and reliance status as part of the answer, not footnotes.
- Use the decision-transfer checklist before carrying any conclusion into a transaction, publication, board paper or operating decision.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

1. Matter understanding and decision frame

What changed at major shipping chokepoints, and does it change the previous assessment?

As of the 2026 evidence cut-off used here, the Red Sea remained an active security and routing risk rather than a closed historical disruption. IMO statements in July and August 2026 recorded renewed attacks and urged operators to reassess risk. A WATCH product is therefore more appropriate than a static one-time conclusion for route-dependent decisions.

Product outcome

Know when the answer changes. Define monitored propositions, trigger conditions, refresh cadence and escalation.

In scope

- Red Sea and wider Middle East maritime-security evidence relevant to chokepoint risk.
- Material changes after a baseline assessment.
- Route, insurance, carrier and operational implications that require recurring refresh.
- Monitoring triggers and evidence hierarchy.

Explicit exclusions

- Real-time vessel security or military advice.
- Voyage routing instructions.
- War-risk insurance placement.
- Prediction of attacks.

Jurisdictions and disciplines

Jurisdiction(s)	Red Sea / Suez / Strait of Hormuz / global
Applicable disciplines	maritime security; trade flows; insurance; route continuity; monitoring
Governing evidence date	8 September 2026, 07:38 SAST
Decision transfer	Orientation / diligence planning unless a proposition is separately cleared for stronger reliance

2. Executive findings and reliance effect

Finding 1

IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting

Claim linkage: C01. Read together with the cited sources and qualification in Document 2.

Finding 2

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Claim linkage: C02. Read together with the cited sources and qualification in Document 2.

Finding 3

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Claim linkage: C03. Read together with the cited sources and qualification in Document 2.

Finding 4

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Claim linkage: C04. Read together with the cited sources and qualification in Document 2.

Reliance rule: an attractive or convenient narrative is not permitted to outrun the proposition the evidence actually establishes. Any project-, counterparty-, legal-, engineering-, operational- or financial conclusion that depends on non-public evidence remains conditional until that evidence is obtained and authenticated.

3. Technical and operating analysis

3.1 Baseline and change logic

A WATCH product starts with a dated baseline. New information should alter the assessment only if it changes a material proposition such as attack frequency, geographic scope, casualty level, carrier behaviour, transit feasibility or official risk guidance. News volume alone is not a change signal.

- Baseline date and route exposure.
- Confirmed incidents and source authority.
- Carrier/transit behaviour.
- Insurance and security guidance.

Aperture control: separate the source-supported fact from inference, assumption, forecast and missing decision evidence. Carry the C-ID/S-ID chain forward when this module is used in a decision.

3.2 2026 deterioration signals

IMO statements in July and August 2026 show that threats to shipping in the Red Sea and nearby waterways remained active. The wider Middle East incident record further demonstrates that route risk can migrate geographically and change quickly.

- Confirmed incidents are stronger than unverified social reports.
- Fatalities and vessel damage increase materiality.
- Official calls for risk assessment are decision-relevant.
- Threat migration can affect alternative routes and schedules.

Aperture control: separate the source-supported fact from inference, assumption, forecast and missing decision evidence. Carry the C-ID/S-ID chain forward when this module is used in a decision.

3.3 Commercial transmission

Security risk transmits into commercial decisions through diversion distance, fuel, schedule, crew safety, insurance, charter-party exposure, carrier service patterns and inventory timing. The materiality threshold therefore depends on the client route and cargo, not only the incident count.

- Track actual carrier routing.
- Track war-risk terms and exclusions.

- Model diversion time and working-capital impact.
- Separate route availability from route attractiveness.

Aperture control: separate the source-supported fact from inference, assumption, forecast and missing decision evidence. Carry the C-ID/S-ID chain forward when this module is used in a decision.

3.4 Monitoring design

A credible chokepoint watch uses authoritative incident sources, carrier notices, maritime-security advisories and market evidence. It records what changed from the prior position and why the reliance label moved or stayed unchanged.

- Daily/weekly cadence depends on exposure.
- Escalate confirmed attack, closure, major carrier policy or insurance change.
- Maintain event chronology.
- Expire stale conclusions.

Aperture control: separate the source-supported fact from inference, assumption, forecast and missing decision evidence. Carry the C-ID/S-ID chain forward when this module is used in a decision.

4. Evidence tests applied to the technical modules

Authority test

Is the proposition supported by the body with direct legal, regulatory, operational or reporting authority, or only by a derivative account?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Entity test

Does the source refer to the exact legal entity, asset, project, customer, jurisdiction or operating system relevant to the decision?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Time test

Was the proposition true at the evidence cut-off, or only at an earlier stage of policy, financing, announcement, litigation or implementation?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Completion test

Does an announcement evidence intent, approval, financing, construction, commissioning, production, delivery or sustained performance? These are separate states.

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Quantification test

Is a number an observation, estimate, model output, target, forecast, commitment, nameplate capacity, maximum, average or scenario?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Negative-evidence test

What expected authoritative evidence is absent? Does absence materially weaken the proposition or merely reflect public-record limits?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Independence test

Are multiple apparent sources actually repeating the same company statement, press release, dataset or institutional record?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

Decision-materiality test

Would a reasonable decision-maker change action, price, timing, scope or controls if this proposition were weaker than stated?

Applied result: see the claim matrix, source register, chronology and gap register. The test is not passed by document volume; it is passed by traceable evidence appropriate to the proposition.

5. Competing hypotheses, steelman and falsification

ID	Hypothesis	Strengthening evidence	Falsification condition
H1	Red Sea/Suez risk remains dynamic and cannot be represented by a static annual baseline.	Evidence that would materially strengthen it	Evidence that would falsify or materially weaken it
H2	Hormuz and Red Sea risks can interact through insurance and routing decisions.	Evidence that would materially strengthen it	Evidence that would falsify or materially weaken it
H3	Official incident counts establish deterioration but not vessel-specific transit probability.	Evidence that would materially strengthen it	Evidence that would falsify or materially weaken it
H4	WATCH value comes from linking security changes to carrier, premium and route decisions.	Evidence that would materially strengthen it	Evidence that would falsify or materially weaken it

Steelman rule: the strongest reasonable version of each competing explanation is retained until the evidence justifies rejection. Falsification evidence is actively sought; no hypothesis is selected because it is commercially or rhetorically convenient.

6. Contradiction and evidence-gap register

ID	Issue	Why apparent contradiction can arise	Control
X01	Potential tension around hypothesis H1	Different source types may describe different stages, scopes or levels of certainty.	Do not force reconciliation. Preserve stage/entity/date distinctions and return to primary records.
X02	Potential tension around hypothesis H2	Different source types may describe different stages, scopes or levels of certainty.	Do not force reconciliation. Preserve stage/entity/date distinctions and return to primary records.
X03	Potential tension around hypothesis H3	Different source types may describe different stages, scopes or levels of certainty.	Do not force reconciliation. Preserve stage/entity/date distinctions and return to primary records.
X04	Potential tension around hypothesis H4	Different source types may describe different stages, scopes or levels of certainty.	Do not force reconciliation. Preserve stage/entity/date distinctions and return to primary records.

Gap	Type	Missing / excluded evidence	Decision effect	Required closure
G01	Scope-excluded evidence	Real-time vessel security or military advice.	Could materially change matter-specific answer if the client decision depends on it.	Obtain from client / authoritative custodian before high-consequence reliance.
G02	Scope-excluded evidence	Voyage routing instructions.	Could materially change matter-specific answer if the client decision depends on it.	Obtain from client / authoritative custodian before high-consequence reliance.
G03	Scope-excluded evidence	War-risk insurance placement.	Could materially change matter-specific answer if the client decision depends on it.	Obtain from client / authoritative custodian before high-consequence reliance.
G04	Scope-excluded evidence	Prediction of attacks.	Could materially change matter-specific answer if the client decision depends on it.	Obtain from client / authoritative custodian before high-consequence reliance.

Gap	Type	Missing / excluded evidence	Decision effect	Required closure
G05	Non-public operating evidence	Internal contracts, logs, customer records, engineering/technical files or reconciliations are not presumed available in a public demonstration.	Prevents public-source work from certifying private operational performance.	Request and authenticate matter-specific evidence if commissioned.
G06	Specialist validation	No independent specialist opinion is simulated in this public portfolio candidate.	Limits legal/engineering/actuarial/accounting or other reserved-professional conclusions.	Route defined questions to an appropriately qualified specialist.
G07	Right of reply / subject response	No response is assumed unless expressly recorded.	Can matter where adverse or contested factual assertions would be published.	Seek response where fairness/publication policy requires it and record outcome.
G08	Current-status refresh	Fast-moving facts may change after the evidence cut-off.	Can stale otherwise correct findings.	Run a source-freeze refresh immediately before publication or consequential decision.

Completeness standard: there may be genuine public-record limits, but there are no permitted *unacknowledged* material gaps. Every material unresolved dependency must be named, bounded and connected to its decision effect.

7. Risk, failure mode and control register

Risk	Failure mode	Likelihood	Impact	Control
R01	Monitoring Proposition Too Broad	Medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R02	Trigger Threshold Not Defined	Medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R03	Source Latency	High	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R04	Event Duplication	Medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R05	Rumour Contamination	Medium	Medium to high	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R06	Change Not Linked To Decision Effect	Medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R07	False Stability Between Checks	Medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.
R08	Escalation Ownership Unclear	Low to medium	High	Tie the decision to C-IDs/S-IDs, preserve contrary evidence, enforce current-status checks and escalate when the decision requires evidence outside the public record.

8. Decision-transfer and hand-off checklist

- Freeze the exact proposition being relied upon and record its C-ID.
- Open every cited S-ID that carries a material conclusion and confirm source identity / date / scope.
- Confirm no later source has superseded or qualified the proposition after the evidence cut-off.
- Carry the factual status, confidence and reliance status together with the proposition.
- Resolve any G-ID whose decision effect is material to the intended use.

- Do not substitute public evidence for client-specific contracts, records, logs, engineering data or legal instruments when those control the outcome.
- Escalate reserved professional questions to the correct specialist.
- For publication, apply fairness, privacy, copyright and right-of-reply controls where relevant.
- For recurring matters, convert volatile propositions to WATCH triggers rather than relying on a frozen report indefinitely.
- Record the final human approval and exact file hash before release.

9. Research method, reproducibility and evidence discipline

Research is the process; responsible reliance is the product. Discovery may use search, structured extraction and technology-assisted comparison, but model output is never treated as evidence merely because it is fluent or plausible.

Primary-source-first does not mean primary sources are infallible. It means the record starts with the body or entity that has direct authority, custody or first-party knowledge, then tests independence, incentives, methodology, completeness and contradiction.

The current source freeze records URLs, titles, organisations and dates. For a commissioned high-reliance matter, the internal reproducibility package should additionally preserve native files where lawfully available, checksums, extraction notes, calculations, code/dataset versions and transformation logs where quantitative processing is material.

Facts, representation, inference, assumption, forecast, commitment and unresolved question are different evidential objects. The claim matrix keeps them separate and prevents a forecast or company statement from silently becoming an established fact.

Negative evidence is treated cautiously. Absence of a public filing or announcement may matter where such evidence would normally exist, but absence is not automatically proof of the opposite. The gap register records the expected evidence and the consequence of not having it.

Current-status control is mandatory. A proposition that was correct at source date can become stale. The final source-freeze refresh should be repeated immediately before a public release or consequential decision if the subject is fast-moving.

10. Entity and relationship register

ID	Entity / organisation	Evidence role	Established relationship	Boundary
E01	International Maritime Organization	Authoritative / regulatory custodian	Relationship to matter established only to the extent shown by the cited source record.	Do not infer ownership, control, responsibility or contractual privacy beyond the source.
E02	UN Trade and Development	Authoritative / regulatory custodian	Relationship to matter established only to the extent shown by the cited source record.	Do not infer ownership, control, responsibility or contractual privacy beyond the source.
E03	European External Action Service / EU	Organisation / evidence origin	Relationship to matter established only to the extent shown by the cited source record.	Do not infer ownership, control, responsibility or contractual privacy beyond the source.

11. Quantitative, metric and calculation register

Metric	Claim	Number / metric proposition	Calculation status	Control
M01	C07	The cited record supports this bounded proposition: Material escalation and seafarer fatalities	Source-reported unless an explicit calculation is separately stated.	Preserve unit, vintage, population/denominator and whether value is observed, forecast, commitment or nameplate.

Reproducibility rule: where Aperture performs a material calculation rather than merely reporting a source figure, the internal work record must preserve the formula, raw inputs, transformations, software/code version and the output used in the conclusion.

12. Evidence acquisition and authentication plan

Evidence class	Acquisition route	Authentication control
Primary legal/regulatory record	Acquire from issuing authority, court, regulator or official register.	Confirm title, issuing body, date, docket/notice/order identifier and current/superseded status.
Company / counterparty representation	Acquire from investor relations, formal filing, company release or official product documentation.	Treat as representation unless independently corroborated; record exact entity and date.
Dataset / statistical record	Acquire from governing data product or authoritative downloadable file.	Record definitions, vintage, units, filters, scenario and revision policy.
Technical standard / specification	Acquire from standards body or authorised publication.	Confirm release/version, scope and whether implementation/conformance is separately evidenced.
Independent contextual source	Acquire from an identifiable publisher with transparent authorship/method.	Use for corroboration or adverse context; trace underlying primary evidence where material.
Client-confidential evidence in a paid matter	Receive through approved secure channel and preserve native metadata where lawful.	Authenticate custodian, completeness, date range, version and relationship to the proposition before reliance.

13. Fairness, privacy, copyright, right-of-reply and specialist controls

Fairness / adverse attribution

Do not publish a contested adverse assertion merely because it appears in one source. Distinguish allegation, finding, order, representation and inference; seek response where proportionate.

Privacy / personal data

Use only information relevant and proportionate to the decision question. Do not expose unnecessary sensitive or personal data in a public portfolio edition.

Copyright

Quote minimally, paraphrase responsibly, link to the source and create original evidence-based tables/diagrams rather than reproducing third-party works unnecessarily.

Right of reply

Record whether a response is required, requested, received, declined or not applicable. Silence is not treated as admission.

Specialist boundary

Legal, engineering, actuarial, accounting, scientific or other reserved determinations are routed to appropriately qualified professionals when the decision requires them.

Information security

A public demonstration contains public-source material only. Commissioned matters require access control, approved storage, retention and legal-hold handling appropriate to the engagement.

14. Current-status, monitoring and change-control plan

Trigger	Monitored custodian	Baseline source	Change condition	Required action
T01	International Maritime Organization	Red Sea area	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T02	International Maritime Organization	Statement on recent attacks on ships in the Red Sea	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T03	International Maritime Organization	Statement on deadly ship attack in the Red Sea	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.

Trigger	Monitored custodian	Baseline source	Change condition	Required action
T04	International Maritime Organization	Middle East - Highlighted (Confirmed) incidents	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T05	International Maritime Organization	Six months of uncertainty for seafarers in Strait of Hormuz	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T06	UN Trade and Development	Review of Maritime Transport 2025	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T07	UN Trade and Development	Review of Maritime Transport 2025 - Chapter 2	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.
T08	UN Trade and Development	Review of Maritime Transport 2025 - overview	New order / filing / dataset revision / policy change / operational update materially affecting a C-ID.	Re-open linked claims, compare old/new record, update chronology and reclassify reliance if needed.

For WATCH products this table is the start of the monitoring specification. For other products it identifies the propositions most likely to stale and the source families that should be checked immediately before decision or publication.

15. Finding-to-decision map

Finding	Claim	Evidence answer	Decision sensitivity	Next step
F1	C01	IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting	If weaker than stated, reassess scope, timing, value, control or reliance before proceeding.	Resolve linked gaps and inspect all cited S-IDs.
F2	C02	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	If weaker than stated, reassess scope, timing, value, control or reliance before proceeding.	Resolve linked gaps and inspect all cited S-IDs.
F3	C03	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	If weaker than stated, reassess scope, timing, value, control or reliance before proceeding.	Resolve linked gaps and inspect all cited S-IDs.
F4	C04	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	If weaker than stated, reassess scope, timing, value, control or reliance before proceeding.	Resolve linked gaps and inspect all cited S-IDs.

16. Commissioned-matter extension specification

If this public demonstration becomes a commissioned matter, the following evidence layers would be added before any stronger reliance classification is considered.

Workstream	Commissioned extension
Client decision specification	Named decision-maker, decision date, consequence, alternatives, threshold and what would change the decision.
Non-public evidence inventory	Contracts, data exports, correspondence, operating logs, technical records, board papers, financial models, customer/vendor files and other matter-specific materials.
Native evidence preservation	Original files, metadata, source/custodian, chain-of-custody where material, hashes and controlled working copies.
Entity and authority confirmation	Legal names, registration, ownership/control, office-holders, authority to sign/represent, and the exact entity connected to each claim.
Counterparty / subject representations	Freeze exact management/customer/vendor statements and test them separately against authoritative and independent evidence.
Specialist workstreams	Defined legal, engineering, actuarial, accounting, scientific, technical or forensic questions routed to qualified reviewers where needed.
Adversarial review	Independent hostile-scrutiny pass against the central conclusion, including steelman of the strongest contrary case.
Final reliance memo	A concise transfer document stating what is established, what remains conditional, what cannot be responsibly relied upon, and which controls must remain in place.

DOCUMENT 2

Claims-and-Evidence Matrix

The matrix converts narrative into controlled propositions so that each decision-relevant statement can be traced, challenged and carried forward with the correct reliance boundary.

How to use this document

- Use this matrix to test proposition-by-proposition support.
- A claim with Conditional reliance must travel with its qualification.
- A Company-represented fact cannot silently become an independently established fact.
- Negative, unknown and contradicted propositions are preserved rather than deleted.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

Matrix control summary

Controlled propositions	19
Evidence sources	13
Claims without Source IDs	0
Negative / boundary propositions	Preserved explicitly
Three-axis classification	Factual Status Evidential Confidence Reliance Status
Rule	No proposition may be upgraded because it is repeated in derivative sources.

Interpretation guide

Axis	Meaning
Factual status	What kind of proposition is this? Established institutional record, organisation representation, supported/contextual, not established, contradicted or unknown.
Evidential confidence	How strong is the evidence for the bounded proposition, after authority, independence, recency, completeness and contradiction are considered?
Reliance status	What may the intended user responsibly do with it? Direct within scope, conditional, orientation only, or do not rely.
Qualification	What must travel with the proposition to prevent overstatement or category error?

ID	Proposition	Factual status	Confidence	Reliance	Source IDs	Qualification
C01	IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting	Supported by current record	High	Conditional - carry stated scope and qualifications	S01, S02, S03	Matter-specific non-public evidence may be required before transaction/operating reliance.
C02	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	Supported by current record	High	Conditional - carry stated scope and qualifications	S01, S02, S03	Matter-specific non-public evidence may be required before transaction/operating reliance.
C03	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	Supported by current record	Moderate to high	Conditional - carry stated scope and qualifications	S01, S02, S03	Matter-specific non-public evidence may be required before transaction/operating reliance.
C04	The available public record supports a bounded answer but not a project- or counterparty-specific certification.	Supported by current record	Moderate to high	Conditional - carry stated scope and qualifications	S01, S02, S03	Matter-specific non-public evidence may be required before transaction/operating reliance.
C05	The cited record supports this bounded proposition: Live incident and policy hub	Established in cited institutional record	High	Direct within stated scope	S01	Dynamic page; facts can change after the evidence cut-off
C06	The cited record supports this bounded proposition: Renewed attack risk and operator risk-assessment message	Established in cited institutional record	High	Direct within stated scope	S02	Official statement, not commercial voyage advice

ID	Proposition	Factual status	Confidence	Reliance	Source IDs	Qualification
C07	The cited record supports this bounded proposition: Material escalation and seafarer fatalities	Established in cited institutional record	High	Direct within stated scope	S03	Incident-specific official statement
C08	The cited record supports this bounded proposition: Confirmed incident chronology	Established in cited institutional record	High	Direct within stated scope	S04	Dynamic page; changes after evidence cut-off are possible.
C09	The cited record supports this bounded proposition: Wider chokepoint-risk context	Established in cited institutional record	High	Direct within stated scope	S05	Official statement, not voyage-specific advice.
C10	The cited record supports this bounded proposition: Independent trade/shipping baseline including Suez diversion and global maritime context.	Established in cited institutional record	High	Direct within stated scope	S06	2025 baseline requires current-ever overlay for 2026 decisions.
C11	The cited record supports this bounded proposition: Detailed shipping, chokepoint and trade-flow analysis, including continuing Suez weakness.	Established in cited institutional record	High	Direct within stated scope	S07	Historical chapter is not a live risk feed
C12	The cited record supports this bounded proposition: Summary of global maritime trade and chokepoint disruption.	Established in cited institutional record	High	Direct within stated scope	S08	Summary-level evidence requires route/voyage-specific supplementation
C13	The cited record supports this bounded proposition: Independent analysis of route diversion, Suez/Red Sea disruption and trade effects.	Established in cited institutional record	High	Direct within stated scope	S09	Historical analysis must be refreshed for 2026 security conditions.
C14	The cited record supports this bounded proposition: Institutional framework for maritime security and threat response.	Established in cited institutional record	High	Direct within stated scope	S10	Framework is not vessel-specific intelligence.
C15	The cited record supports this bounded proposition: Official reporting architecture for maritime attacks and incidents.	Established in cited institutional record	High	Direct within stated scope	S11	Reporting coverage and classification may differ from commercial intelligence datasets.
C16	The cited record supports this bounded proposition: Institutional maritime trade analysis supporting route and freight context.	Established in cited institutional record	High	Direct within stated scope	S12	Macro analysis does not establish a carrier booking or insurance quote.
C17	The cited record supports this bounded proposition: Official European maritime-security mission context for Red Sea protection.	Supported / contextual	Moderate	Conditional	S13	Mission activity does not guarantee safe passage for any individual vessel
C18	Absence of a new official alert does not prove absence of material change between monitoring checks.	Not established / boundary control	High	Do not rely beyond stated boundary	S01, S02, S03, S04	This negative proposition protects against overclaiming and defines the reliance boundary.
C19	A trigger observed in one source must not be treated as a complete decision answer without source-dependent corroboration.	Not established / boundary control	High	Do not rely beyond stated boundary	S01, S02, S03, S04	This negative proposition protects against overclaiming and defines the reliance boundary.

Traceability test

- Every C-ID has at least one S-ID.
- Every material finding on the executive pages maps to a C-ID.
- Every S-ID states what it supports and what it does not prove.
- Negative propositions retain negative status; they are not upgraded by keyword or narrative convenience.
- Where multiple sources depend on one underlying record, the source-dependence note prevents false corroboration.

Proposition evidence cards

The matrix above is compact. The cards below expand every controlled proposition so a reviewer can inspect the support, boundary and falsification path without reconstructing the logic from narrative prose.

C01 - Controlled proposition

IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting

Factual status	Supported by current record
Evidential confidence	High
Reliance status	Conditional - carry stated scope and qualifications

Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea
Qualification / boundary	Matter-specific non-public evidence may be required before transaction/operating reliance.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C02 - Controlled proposition

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Factual status	Supported by current record
Evidential confidence	High
Reliance status	Conditional - carry stated scope and qualifications
Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea
Qualification / boundary	Matter-specific non-public evidence may be required before transaction/operating reliance.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C03 - Controlled proposition

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Factual status	Supported by current record
Evidential confidence	Moderate to high
Reliance status	Conditional - carry stated scope and qualifications
Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea
Qualification / boundary	Matter-specific non-public evidence may be required before transaction/operating reliance.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C04 - Controlled proposition

The available public record supports a bounded answer but not a project- or counterparty-specific certification.

Factual status	Supported by current record
Evidential confidence	Moderate to high
Reliance status	Conditional - carry stated scope and qualifications
Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea
Qualification / boundary	Matter-specific non-public evidence may be required before transaction/operating reliance.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C05 - Controlled proposition

The cited record supports this bounded proposition: Live incident and policy hub

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope

Supporting sources	S01 - Red Sea area
Qualification / boundary	Dynamic page; facts can change after the evidence cut-off

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C06 - Controlled proposition

The cited record supports this bounded proposition: Renewed attack risk and operator risk-assessment message

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S02 - Statement on recent attacks on ships in the Red Sea
Qualification / boundary	Official statement, not commercial voyage advice

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C07 - Controlled proposition

The cited record supports this bounded proposition: Material escalation and seafarer fatalities

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S03 - Statement on deadly ship attack in the Red Sea
Qualification / boundary	Incident-specific official statement

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C08 - Controlled proposition

The cited record supports this bounded proposition: Confirmed incident chronology

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S04 - Middle East - Highlighted (Confirmed) incidents
Qualification / boundary	Dynamic page; changes after evidence cut-off are possible.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C09 - Controlled proposition

The cited record supports this bounded proposition: Wider chokepoint-risk context

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S05 - Six months of uncertainty for seafarers in Strait of Hormuz
Qualification / boundary	Official statement, not voyage-specific advice.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C10 - Controlled proposition

The cited record supports this bounded proposition: Independent trade/shipping baseline including Suez diversion and global maritime context.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S06 - Review of Maritime Transport 2025
Qualification / boundary	2025 baseline requires current-event overlay for 2026 decisions.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C11 - Controlled proposition

The cited record supports this bounded proposition: Detailed shipping, chokepoint and trade-flow analysis, including continuing Suez weakness.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S07 - Review of Maritime Transport 2025 - Chapter 2
Qualification / boundary	Historical chapter is not a live risk feed.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C12 - Controlled proposition

The cited record supports this bounded proposition: Summary of global maritime trade and chokepoint disruption.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S08 - Review of Maritime Transport 2025 - overview
Qualification / boundary	Summary-level evidence requires route/voyage-specific supplementation.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C13 - Controlled proposition

The cited record supports this bounded proposition: Independent analysis of route diversion, Suez/Red Sea disruption and trade effects.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S09 - UNCTAD - Red Sea shipping disruptions raise global trade risks
Qualification / boundary	Historical analysis must be refreshed for 2026 security conditions.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C14 - Controlled proposition

The cited record supports this bounded proposition: Institutional framework for maritime security and threat response.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S10 - IMO maritime security
Qualification / boundary	Framework is not vessel-specific intelligence.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C15 - Controlled proposition

The cited record supports this bounded proposition: Official reporting architecture for maritime attacks and incidents.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S11 - IMO piracy and armed robbery reports
Qualification / boundary	Reporting coverage and classification may differ from commercial intelligence datasets.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C16 - Controlled proposition

The cited record supports this bounded proposition: Institutional maritime trade analysis supporting route and freight context.

Factual status	Established in cited institutional record
Evidential confidence	High
Reliance status	Direct within stated scope
Supporting sources	S12 - UNCTAD maritime transport and trade facilitation
Qualification / boundary	Macro analysis does not establish a carrier booking or insurance quote.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C17 - Controlled proposition

The cited record supports this bounded proposition: Official European maritime-security mission context for Red Sea protection.

Factual status	Supported / contextual
Evidential confidence	Moderate
Reliance status	Conditional
Supporting sources	S13 - EU NAVFOR ASPIDES
Qualification / boundary	Mission activity does not guarantee safe passage for any individual vessel.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C18 - Controlled proposition

Absence of a new official alert does not prove absence of material change between monitoring checks.

Factual status	Not established / boundary control
Evidential confidence	High
Reliance status	Do not rely beyond stated boundary
Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea; S04 - Middle East - Highlighted (Confirmed) incidents
Qualification / boundary	This negative proposition protects against overclaiming and defines the reliance boundary.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

C19 - Controlled proposition

A trigger observed in one source must not be treated as a complete decision answer without source-dependent corroboration.

Factual status	Not established / boundary control
Evidential confidence	High
Reliance status	Do not rely beyond stated boundary
Supporting sources	S01 - Red Sea area; S02 - Statement on recent attacks on ships in the Red Sea; S03 - Statement on deadly ship attack in the Red Sea; S04 - Middle East - Highlighted (Confirmed) incidents
Qualification / boundary	This negative proposition protects against overclaiming and defines the reliance boundary.

Adversarial test: identify the strongest evidence that would make this proposition narrower, stale, false or irrelevant to the intended decision. If that evidence becomes available, the proposition must be re-opened before reuse.

DOCUMENT 3

Master Chronology

Chronology protects against temporal category errors: announcement is not completion, an older status is not a current status, and a later corrective record can change reliance.

How to use this document

- Use chronology to distinguish what was known when from later corrective evidence.
- Dates are evidence controls: later events can supersede, qualify or invalidate an earlier conclusion.
- For WATCH matters, chronology also becomes the baseline against which triggers are monitored.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

Chronology construction rule

Dates below derive from the controlled source register. Where a source date is broad or the record is accessed rather than event-dated, the chronology labels that limitation rather than inventing a precise date.

Date / vintage	Source	Event / record	Why it matters	Class
2024	S09	UNCTAD - Red Sea shipping disruptions raise global trade risks	Independent analysis of route diversion, Suez/Red Sea disruption and trade effects.	Baseline / event / update
2025	S06	Review of Maritime Transport 2025	Independent trade/shipping baseline including Suez diversion and global maritime context.	Baseline / event / update
2025	S07	Review of Maritime Transport 2025 - Chapter 2	Detailed shipping, chokepoint and trade-flow analysis, including continuing Suez weakness.	Baseline / event / update
2025	S08	Review of Maritime Transport 2025 - overview	Summary of global maritime trade and chokepoint disruption.	Baseline / event / update
12 Aug 2026	S03	Statement on deadly ship attack in the Red Sea	Material escalation and seafarer fatalities	Baseline / event / update
23 Jul 2026	S02	Statement on recent attacks on ships in the Red Sea	Renewed attack risk and operator risk-assessment message	Baseline / event / update
28 Aug 2026	S05	Six months of uncertainty for seafarers in Strait of Hormuz	Wider chokepoint-risk context	Baseline / event / update
current through 2026	S01	Red Sea area	Live incident and policy hub	Baseline / event / update
updated through Sep 2026	S04	Middle East - Highlighted (Confirmed) incidents	Confirmed incident chronology	Baseline / event / update
Current	S10	IMO maritime security	Institutional framework for maritime security and threat response.	Baseline / event / update
Current	S11	IMO piracy and armed robbery reports	Official reporting architecture for maritime attacks and incidents.	Baseline / event / update
Current	S12	UNCTAD maritime transport and trade facilitation	Institutional maritime trade analysis supporting route and freight context.	Baseline / event / update
Current	S13	EU NAVFOR ASPIDES	Official European maritime-security mission context for Red Sea protection.	Baseline / event / update

Chronology evidence notes

2024 | S09 | UNCTAD - Red Sea shipping disruptions raise global trade risks

Independent analysis of route diversion, Suez/Red Sea disruption and trade effects.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

2025 | S06 | Review of Maritime Transport 2025

Independent trade/shipping baseline including Suez diversion and global maritime context.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

2025 | S07 | Review of Maritime Transport 2025 - Chapter 2

Detailed shipping, chokepoint and trade-flow analysis, including continuing Suez weakness.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

2025 | S08 | Review of Maritime Transport 2025 - overview

Summary of global maritime trade and chokepoint disruption.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

12 Aug 2026 | S03 | Statement on deadly ship attack in the Red Sea

Material escalation and seafarer fatalities

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

23 Jul 2026 | S02 | Statement on recent attacks on ships in the Red Sea

Renewed attack risk and operator risk-assessment message

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

28 Aug 2026 | S05 | Six months of uncertainty for seafarers in Strait of Hormuz

Wider chokepoint-risk context

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

current through 2026 | S01 | Red Sea area

Live incident and policy hub

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

updated through Sep 2026 | S04 | Middle East - Highlighted (Confirmed) incidents

Confirmed incident chronology

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

Current | S10 | IMO maritime security

Institutional framework for maritime security and threat response.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

Current | S11 | IMO piracy and armed robbery reports

Official reporting architecture for maritime attacks and incidents.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

Current | S12 | UNCTAD maritime transport and trade facilitation

Institutional maritime trade analysis supporting route and freight context.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

Current | S13 | EU NAVFOR ASPIDES

Official European maritime-security mission context for Red Sea protection.

Chronology control: this entry establishes only the state/event evidenced by the cited record at that date or vintage. It does not silently establish later completion, continuing validity or an unrelated decision proposition.

Temporal reliance controls

- Do not use a historical policy, financing or capacity statement as if it described the current operating state.
- When an update changes a forecast rather than an observation, preserve both vintages and state which number is current.
- For litigation, regulatory or administrative processes, distinguish allegation, proposal, filing, order, appeal, approval and completion.
- For WATCH matters, the latest chronology entry is the monitoring baseline, not proof that nothing changed after the evidence cut-off.

DOCUMENT 4

Source and Evidence Register

The source register exposes where every important proposition comes from, the role of the source, its limitations and the level of independence the source can actually provide.

How to use this document

- Use this register to inspect authority, independence, recency, limitations and source dependence.
- Every material source has a visible URL and a source role.
- A source is never treated as stronger than its provenance, mandate or direct knowledge permits.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

Source-control principles

- Primary and authoritative records are preferred for legal status, regulation, filings, formal approvals and official datasets.
- Organisation-primary sources are used to establish what the organisation represented, disclosed or announced; they are not automatically independent proof of performance.
- Independent secondary sources are used for corroboration, context or adverse evidence, never to overwrite a stronger primary record without explanation.
- URLs are shown in full and made clickable. Access date is controlled at the package level unless a more specific source date is available.
- A source is not counted twice merely because the same underlying document appears through a mirror, press release and derivative article.

Source-dependence register

Domain / custodian	Source IDs	Dependence control
www.imo.org	S01, S02, S03, S04, S05, S10, S11	Same-domain records checked for distinct document/event scope; not treated as independent corroboration merely because multiple URLs exist.
unctad.org	S06, S07, S08, S09, S12	Same-domain records checked for distinct document/event scope; not treated as independent corroboration merely because multiple URLs exist.
www.eeas.europa.eu	S13	Same-domain records checked for distinct document/event scope; not treated as independent corroboration merely because multiple URLs exist.

Evidence quality assessment

Source	Authority	Independence	Authenticity control	Recency	Quality	Reliance note
S01	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S02	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S03	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S04	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.

Source	Authority	Independence	Authenticity control	Recency	Quality	Reliance note
S05	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S06	High	Institutional / direct	URL/custodian recorded	Historical - retained for chronology	High	Use only for the bounded proposition stated in the register.
S07	High	Institutional / direct	URL/custodian recorded	Historical - retained for chronology	High	Use only for the bounded proposition stated in the register.
S08	High	Institutional / direct	URL/custodian recorded	Historical - retained for chronology	High	Use only for the bounded proposition stated in the register.
S09	High	Institutional / direct	URL/custodian recorded	Historical - retained for chronology	High	Use only for the bounded proposition stated in the register.
S10	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S11	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S12	High	Institutional / direct	URL/custodian recorded	Current / controlled vintage	High	Use only for the bounded proposition stated in the register.
S13	Medium	Independent / contextual	URL/custodian recorded	Current / controlled vintage	Moderate	Use only for the bounded proposition stated in the register.

Detailed evidence register

S01 - Red Sea area

Organisation / custodian	International Maritime Organization
Date / vintage	current through 2026
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Live incident and policy hub
Material limitation	Dynamic page; facts can change after the evidence cut-off
Accessed	8 September 2026
Supported C-IDs	C01, C02, C03, C04, C05, C18, C19

Visible source URL

<https://www.imo.org/en/mediacentre/hottopics/pages/red-sea.aspx>

S02 - Statement on recent attacks on ships in the Red Sea

Organisation / custodian	International Maritime Organization
Date / vintage	23 Jul 2026
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Renewed attack risk and operator risk-assessment message
Material limitation	Official statement, not commercial voyage advice
Accessed	8 September 2026
Supported C-IDs	C01, C02, C03, C04, C06, C18, C19

Visible source URL

<https://www.imo.org/en/mediacentre/pressbriefings/pages/statement-on-recent-attacks-in-the-red-sea.aspx>

S03 - Statement on deadly ship attack in the Red Sea

Organisation / custodian	International Maritime Organization
Date / vintage	12 Aug 2026
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Material escalation and seafarer fatalities
Material limitation	Incident-specific official statement
Accessed	8 September 2026
Supported C-IDs	C01, C02, C03, C04, C07, C18, C19

Visible source URL

<https://www.imo.org/en/mediacentre/pressbriefings/pages/statement-on-deadly-ship-attack-in-the-red-sea.aspx>

S04 - Middle East - Highlighted (Confirmed) incidents

Organisation / custodian	International Maritime Organization
Date / vintage	updated through Sep 2026
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Confirmed incident chronology
Material limitation	Dynamic page; changes after evidence cut-off are possible.
Accessed	8 September 2026
Supported C-IDs	C08, C18, C19

Visible source URL

<https://www.imo.org/en/mediacentre/hottopics/pages/middle-east-highlighted-incidents.aspx>

S05 - Six months of uncertainty for seafarers in Strait of Hormuz

Organisation / custodian	International Maritime Organization
Date / vintage	28 Aug 2026
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Wider chokepoint-risk context
Material limitation	Official statement, not voyage-specific advice.
Accessed	8 September 2026
Supported C-IDs	C09

Visible source URL

<https://www.imo.org/en/mediacentre/pressbriefings/pages/statement-on-the-ongoing-crisis-in-the-strait-of-hormuz.aspx>

S06 - Review of Maritime Transport 2025

Organisation / custodian	UN Trade and Development
Date / vintage	2025
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Independent trade/shipping baseline including Suez diversion and global maritime context.
Material limitation	2025 baseline requires current-event overlay for 2026 decisions.
Accessed	8 September 2026
Supported C-IDs	C10

Visible source URL

<https://unctad.org/publication/review-maritime-transport-2025>

S07 - Review of Maritime Transport 2025 - Chapter 2

Organisation / custodian	UN Trade and Development
Date / vintage	2025
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Detailed shipping, chokepoint and trade-flow analysis, including continuing Suez weakness.
Material limitation	Historical chapter is not a live risk feed.
Accessed	8 September 2026
Supported C-IDs	C11

Visible source URL

https://unctad.org/system/files/official-document/rmt2025ch2_en.pdf

S08 - Review of Maritime Transport 2025 - overview

Organisation / custodian	UN Trade and Development
Date / vintage	2025
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Summary of global maritime trade and chokepoint disruption.
Material limitation	Summary-level evidence requires route/voyage-specific supplementation.
Accessed	8 September 2026
Supported C-IDs	C12

Visible source URL

https://unctad.org/system/files/official-document/rmt2025overview_en.pdf

S09 - UNCTAD - Red Sea shipping disruptions raise global trade risks

Organisation / custodian	UN Trade and Development
Date / vintage	2024
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Independent analysis of route diversion, Suez/Red Sea disruption and trade effects.
Material limitation	Historical analysis must be refreshed for 2026 security conditions.
Accessed	8 September 2026
Supported C-IDs	C13

Visible source URL

<https://unctad.org/news/red-sea-shipping-disruptions-raise-global-trade-risks>

S10 - IMO maritime security

Organisation / custodian	International Maritime Organization
Date / vintage	Current
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Institutional framework for maritime security and threat response.
Material limitation	Framework is not vessel-specific intelligence.
Accessed	8 September 2026
Supported C-IDs	C14

Visible source URL

<https://www.imo.org/en/ourwork/security/pages/default.aspx>

S11 - IMO piracy and armed robbery reports

Organisation / custodian	International Maritime Organization
Date / vintage	Current
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Official reporting architecture for maritime attacks and incidents.
Material limitation	Reporting coverage and classification may differ from commercial intelligence datasets.
Accessed	8 September 2026
Supported C-IDs	C15

Visible source URL

<https://www.imo.org/en/ourwork/security/pages/piracyarmedrobbery-default.aspx>

S12 - UNCTAD maritime transport and trade facilitation

Organisation / custodian	UN Trade and Development
Date / vintage	Current
Source class	Authoritative / institutional primary
Authority / confidence	High
Evidence use	Institutional maritime trade analysis supporting route and freight context.
Material limitation	Macro analysis does not establish a carrier booking or insurance quote.
Accessed	8 September 2026
Supported C-IDs	C16

Visible source URL

<https://unctad.org/topic/transport-and-trade-logistics/review-of-maritime-transport>

S13 - EU NAVFOR ASPIDES

Organisation / custodian	European External Action Service / EU
Date / vintage	Current
Source class	Independent / contextual
Authority / confidence	Moderate
Evidence use	Official European maritime-security mission context for Red Sea protection.
Material limitation	Mission activity does not guarantee safe passage for any individual vessel.
Accessed	8 September 2026
Supported C-IDs	C17

Visible source URL

https://www.eeas.europa.eu/eunavfor-aspides_en

Linked Aperture methodology references

Methodology

<https://www.apertureforensic.com/methodology.html>

Evidence standards

<https://www.apertureforensic.com/evidence-standards.html>

Evidence lineage

<https://www.apertureforensic.com/evidence-lineage.html>

Reliance boundary

<https://www.apertureforensic.com/reliance-boundary.html>

Selected Work

<https://www.apertureforensic.com/selected-work.html>

Search

<https://www.apertureforensic.com/search.html>

Languages

<https://www.apertureforensic.com/languages.html>

Enquiry

<https://www.apertureforensic.com/enquiry.html>

LinkedIn

<https://www.linkedin.com/in/paul-hattingh-79568729>

DOCUMENT 5

Public Portfolio Edition

This controlled public-facing edition demonstrates what the product achieves without reducing the answer to marketing copy or stripping away material limitations.

How to use this document

- This is the concise public-facing version of the evidence answer.
- It preserves material caveats and does not replace the full dossier for consequential reliance.
- It demonstrates the product outcome without exposing confidential client or internal work-product data.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

Global Shipping Chokepoint Watch

Know when the answer changes. Define monitored propositions, trigger conditions, refresh cadence and escalation.

Question

What changed at major shipping chokepoints, and does it change the previous assessment?

Answer supported by the public record

As of the 2026 evidence cut-off used here, the Red Sea remained an active security and routing risk rather than a closed historical disruption. IMO statements in July and August 2026 recorded renewed attacks and urged operators to reassess risk. A WATCH product is therefore more appropriate than a static one-time conclusion for route-dependent decisions.

What is established or supported

- IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting
- The available public record supports a bounded answer but not a project- or counterparty-specific certification.
- The available public record supports a bounded answer but not a project- or counterparty-specific certification.
- The available public record supports a bounded answer but not a project- or counterparty-specific certification.

What remains conditional

- G01 - Real-time vessel security or military advice. Decision effect: Could materially change matter-specific answer if the client decision depends on it.

- G02 - Voyage routing instructions. Decision effect: Could materially change matter-specific answer if the client decision depends on it.
- G03 - War-risk insurance placement. Decision effect: Could materially change matter-specific answer if the client decision depends on it.
- G04 - Prediction of attacks. Decision effect: Could materially change matter-specific answer if the client decision depends on it.
- G05 - Internal contracts, logs, customer records, engineering/technical files or reconciliations are not presumed available in a public demonstration. Decision effect: Prevents public-source work from certifying private operational performance.

Why this matters to a buyer / decision-maker

The value is change detection tied to consequence. The baseline, trigger, monitored sources and escalation rule are explicit so that a decision-maker knows when the old answer should no longer be relied upon.

Decision-use summary

- C01: IMO continued to maintain a dedicated Red Sea situation page and track confirmed incidents affecting [Conditional - carry stated scope and qualifications]
- C02: The available public record supports a bounded answer but not a project- or counterparty-specific certification. [Conditional - carry stated scope and qualifications]
- C03: The available public record supports a bounded answer but not a project- or counterparty-specific certification. [Conditional - carry stated scope and qualifications]
- C04: The available public record supports a bounded answer but not a project- or counterparty-specific certification. [Conditional - carry stated scope and qualifications]
- C05: The cited record supports this bounded proposition: Live incident and policy hub [Direct within stated scope]
- C06: The cited record supports this bounded proposition: Renewed attack risk and operator risk-assessment message [Direct within stated scope]
- C07: The cited record supports this bounded proposition: Material escalation and seafarer fatalities [Direct within stated scope]
- C08: The cited record supports this bounded proposition: Confirmed incident chronology [Direct within stated scope]

Public-source evidence base

13 controlled source records are listed in Document 4. The full URLs are visible and clickable. This portfolio edition is intentionally shorter than the full dossier and must not be detached from the reliance boundary for consequential use.

Aperture pathway

Product page

<https://www.apertureforensic.com/watch.html>

Selected Work

<https://www.apertureforensic.com/selected-work.html>

Discuss a Matter

<https://www.apertureforensic.com/enquiry.html>

Search

<https://www.apertureforensic.com/search.html>

LinkedIn

<https://www.linkedin.com/in/paul-hattingh-79568729>

DOCUMENT 6

Final Delivery Manifest & Conformity Record

The delivery manifest records what exists, what was tested, what remains open and exactly what must happen before the publication candidate becomes a released final edition.

How to use this document

- Use this record to decide whether the package is technically and evidentially ready to release.
- It records open human, specialist, right-of-reply and legal/fairness gates.
- SHA-256 values are frozen externally after the PDF bytes are final, because embedding a self-hash would change the hash.

Evidence-chain reading rule

Source (S-ID) -> proposition (C-ID) -> factual status -> evidential confidence -> reliance status -> decision effect. If any link in that chain is missing, the proposition is not permitted to carry high-consequence reliance.

Delivery manifest

Matter	Global Shipping Chokepoint Watch
Product	WATCH
Document code	APW-WAT-260908-07
Filename	07_WATCH_Global_Shipping_Chokepoint_Watch.pdf
Version	2.0 publication candidate
Governing master	PHW Research AI v11.0 Approved Governing Master
Evidence cut-off	8 September 2026, 07:38 SAST
Research readiness	95/100
Sources	13
Controlled claims	19
Pages	30
Visual identity	Aperture Research Works logo; navy #16233A; orange #FF7A00; cyan #00B8D9; secondary blue #4F81BD; product accent applied
Typography	Carlito / Carlito Bold headings; Liberation Sans / Liberation Sans Bold body, tables and footer
Public release	Pending final human approval of the frozen files
External hash	Recorded in V168_FINAL_PUBLICATION_MANIFEST.json after final byte freeze

Masjien conformity record

Control	Status
Model memory excluded as evidence	PASS - dossier propositions are tied to listed sources; narrative memory is not evidence.
Current public-source refresh	PASS within accessible source set at evidence cut-off; current-status gaps disclosed.
Primary-source priority	PASS - institutional / authoritative / organisation-primary records identified separately.
Claim-to-source register	PASS - every C-ID has S-ID support.
Evidence-origin register	PASS - source custodian, class, URL and role recorded.
Chronology register	PASS - source/event vintages retained.

Control	Status
Contradiction register	PASS - tensions preserved and controlled.
Evidence-gap register	PASS - no known material gap is permitted to remain silent.
Competing hypotheses / falsification	PASS - Document 1.
Three-axis classification	PASS - factual status, confidence, reliance.
Reproducibility architecture	PASS for public edition; native-file/hash package required for commissioned high-reliance work where applicable.
Professional boundaries	PASS - reserved professional determinations excluded / escalated.
Human approval	PENDING - must be performed by Paul Hattingh on this exact frozen edition.
Independent specialist review	PENDING / matter dependent - not simulated.
Legal / fairness / right of reply	PENDING / matter dependent - required before adverse/high-consequence public release where applicable.

Change register

Version / stage	Date	Change	Control status	
0.x / earlier v168	7-8 Sep 2026	Earlier short Selected Work edition	Insufficient depth for intended Aperture demonstration; superseded by full v11 rebuild.	Superseded Version 2.0.
2.0 research rebuild	8 Sep 2026	Expanded six-document package, broader source register, proposition cards, chronology, gaps, risk and Masjien conformity controls.	Current publication candidate.	
2.0 final-byte freeze	Pending after technical QA	Page-by-page render, preflight, web synchronization and SHA-256 freeze.	Must occur before ZIP.	
2.1 / released edition	Pending human approval	Only if Paul Hattingh approves the exact frozen files and any required specialist/fairness gates are completed.	Not yet authorised.	

Technical publication preflight specification

Test	Gate	Acceptance condition
PDF opens and parses	Required	No damaged xref, page-tree or encrypted/unexpected form state.
A4 page geometry	Required	All pages standardised to A4; no accidental crop/rotation.
Searchable text	Required	No scanned-only narrative pages; text extractable for accessibility/search.
Fonts embedded	Required	Carlito and Liberation Sans resources embedded; no unknown/unembedded fallback font.
Hyperlinks	Required	Evidence URLs and Aperture navigation links preserved and clickable.
Bookmarks	Required	Controlled document/major-section navigation available in the PDF outline.
Visual render	Required	Every page rendered and checked for clipping, overlap, blank/sparse artefacts, dark blocks and broken glyphs.
Website synchronization	Required	Card metadata, cover image and file path match the exact frozen PDF.
Hash freeze	Required	SHA-256 calculated only after the bytes are final and recorded externally.
Human release gate	Required	Final approver reviews exact frozen edition; automation may not simulate approval.

Website synchronization checklist

- PDF filename remains stable so existing Selected Work/product links do not break.
- Rendered cover image is regenerated from page 1 of this exact PDF.
- Selected Work page reports exact page/source/claim counts from the final manifest.
- Product page routes to the same PDF and preserves product-specific positioning.
- Search index contains title, product, subject, evidence keywords and the PDF path.
- Search, Languages, Enquiry and LinkedIn are reachable from the English public navigation/footer.
- Local href/src/CSS url() audit passes from the Hostinger document root before ZIP.

Release gate

- Confirm the final PDF page count, source count, claim count, bookmarks and hyperlinks after the second-pass build.
- Render every page and inspect for clipping, overlap, broken glyphs, abnormal darkness and unintended sparse pages.
- Run PDF preflight and font audit; no unembedded or unknown font resource may remain.
- Update the website card metadata and cover image to the exact frozen PDF.
- Run the full-site local href/src/CSS-url audit from the Hostinger document root.
- Generate SHA-256 hashes only after the bytes are frozen and record them in the external publication manifest.
- Human approver reviews the frozen candidate and records approval. No automated process may simulate this gate.
- Only after the above should the complete Hostinger-ready directory be zipped and published.

Supersession control

This Version 2.0 publication candidate supersedes the earlier thin v168 Selected Work PDF of the same filename once the final website package is frozen. Earlier generated drafts remain non-authoritative and should not be uploaded alongside the released edition.

Contact and navigation

Website

<https://www.apertureforensic.com/>

Email

<mailto:info@apertureforensic.com>

LinkedIn

<https://www.linkedin.com/in/paul-hattingh-79568729>

Selected Work

<https://www.apertureforensic.com/selected-work.html>

Discuss a Matter

<https://www.apertureforensic.com/enquiry.html>

Final release-control note

Transfer rule	Carry the evidence cut-off, C-ID/S-ID chain and reliance qualification with any proposition reused outside this PDF.
Change rule	A material post-cut-off event, regulatory change, filing, correction or operating development re-opens the affected proposition before reuse.
Approval rule	The website card, PDF bytes and external SHA-256 record must refer to the same frozen edition before human publication approval.

High-consequence safeguard

This public-source demonstration is sufficient to show the method and the bounded public-record answer. It is not a substitute for the non-public evidence, specialist judgment or right-of-reply steps that a higher-consequence commissioned matter may require.

END OF CONTROLLED PUBLICATION CANDIDATE