

HISTORICAL EVIDENCE ILLUSTRATIVE ENTERPRISE MODEL NO CUSTOMER DATA

CrisisFlow Sample Decision Record

Hurricane Beryl and Port Houston public case

DECISION STATE Proposed portfolio BC | Not authorized

CALCULATION CF-ENUM-1.2.0 | Release cd5d1d1e9d6c

PLANNING SCENARIO Five-day hypothetical terminal-closure duration

Decision question. Which combination of five candidate actions should an industrial-equipment manufacturer propose within a \$1.5 million response budget and ten-day action window to minimize weighted missed customer systems?

Proposed response

Action	Cost	First effect	Decision role
B Limited supplier shift	\$900,000	Day 4	Adds up to reserved supplier capacity
C Inventory repositioning	\$400,000	Day 2	Adds one arrival of 100 planning units

Portfolio	Cost	Priority missed	Standard missed	Order value outside horizon	Objective
BC Proposed	\$1.3M	80	120	\$16.0M	360

Modeled economic position. No response leaves 400 finished-system equivalents, or \$32.0 million of modeled order value, outside the ten-day horizon. Portfolio BC leaves 200 systems, or \$16.0 million, outside it. The \$16.0 million difference is order value brought inside the planning horizon—not loss avoided or value at risk.

Declared objective. Lower is preferred. Objective = 3 x priority missed units + standard missed units. The public engine evaluates every one of the 32 subsets in the five-action set and applies deterministic tie-breakers.

Decision boundary

- The case combines historical event evidence with a disclosed illustrative enterprise model; no company or customer is identified.
- The five-day closure is a hypothetical planning assumption; observed evidence states that Port Houston public terminals closed on 8 and 9 July 2024.
- Modeled order value outside the horizon is not loss, value at risk, probability of impact or a forecast.
- An accountable operator must confirm current executability before any authorization.

Evidence and exposure trace

Object	Evidence state	Role in this case
Hurricane Beryl track	Observed event geometry	NOAA NHC post-analysis best track
Port Houston status	Observed operating status	Weekly status report states public terminals closed 8 and 9 July 2024
Supplier and route	Illustrative enterprise model	Creates a supported demonstration path to the plant
Plant, product and commitment	Illustrative enterprise model	Defines the modeled consequence and priority demand
Five-day duration	Hypothetical scenario input	Tests a planning case rather than restating historical duration

Prepared input state

Input	Value	Meaning
Horizon	10 days	Displayed planning period
Closure and recovery	5 + 2 days	Hypothetical duration plus modeled recovery
Daily demand	100 units	40 priority and 60 standard
Order value	\$80,000 / unit	Declared translation from missed systems to modeled order value
Buffer	2 days	Prepared supply before disruption
Budget	\$1.5 million	Hard portfolio screen
Priority weight	3	Declared preference in the objective

Constraint audit for portfolio BC

- Budget, action window, supplier qualification and action authority pass.
- Reserved supplier capacity remains within the declared bound.
- No communication prerequisite applies because production resequencing D is not selected.
- Eligibility does not imply live executability or authorization.

Decision sensitivity and alternatives

Decision-switch sensitivity. The engine recalculates the best eligible portfolio at each whole-day closure duration while the other schema-checked inputs remain fixed.

Closure	Selected portfolio	Cost	Priority	Standard	Objective
2 days	C	\$400,000	0	0	0
5 days	BC	\$1.3M	80	120	360
8 days	BDE	\$1.3M	115	410	755

Why the eight-day choice changes. BDE reduces priority missed units from 170 to 115 compared with BC. Standard missed units increase from 255 to 410. Under the declared priority weight of 3, BDE scores 755 versus 765 for BC; lower is preferred.

Response, recovery and learning record

State	Current public-case record
Prepared state	Dependencies mapped; two-day buffer; alternate path and supplier capacity qualified
Proposal	BC saved as a versioned baseline proposal
Executability confirmation	Not performed in this public demonstration
Authorization	Not granted
Response and execution	Not simulated or claimed
Recovery	Four recovery clocks remain open until supported by operating evidence
Outcome	No outcome recorded
Learn	A later review may update the next Detect cycle without replacing the original record

Accountability boundary. CrisisFlow screens and records the portfolio. Accountable customer personnel confirm executability and authorize consequential action.

[Run the live public case](#)