

Is every discretionary hour earning its place in the window?

Most turnaround work lists carry hundreds of discretionary items that were never tested with data. STO·SDC runs a two-stage, risk-based challenge on every one, live with your team and a reliability expert panel in the room, so the scope that survives is the scope that belongs.

- Challenge the list. Keep what earns it.

EVERY ITEM, ONE DISPOSITION

Include: it earns its place

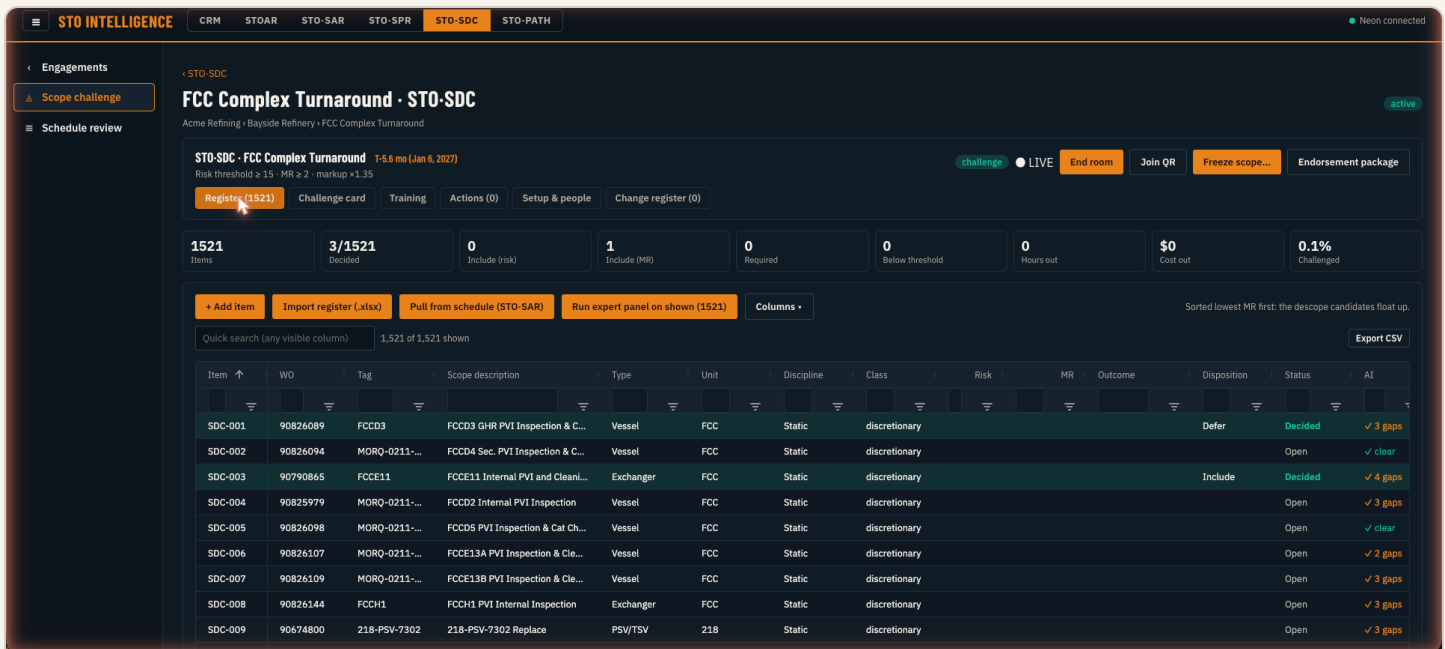
Reduce: trim the scope back

Defer: move to a later window

Offload: run it online, not in the STO

Eliminate: drop it

Every decision recorded, quantified, and defensible.



STO INTELLIGENCE CRM STOAR STO·SAR STO·SPR **STO·SDC** STO·PATH Neon connected

Engagements
 Scope challenge
 Schedule review

STO·SDC
FCC Complex Turnaround · STO·SDC
 Acme Refining · Bayside Refinery · FCC Complex Turnaround

STO·SDC · FCC Complex Turnaround T-5.6 mo (Jan 6, 2027)
 Risk threshold ≥ 15 · MR ≥ 2 · markup $\times 1.35$

challenge LIVE End room Join QR Freeze scope... Endorsement package

Registers (1521) Challenge card Training Actions (0) Setup & people Change register (0)

1521 Items 3/1521 Decided 0 Include (risk) 1 Include (MR) 0 Required 0 Below threshold 0 Hours out \$0 Cost out 0.1% Challenged

+ Add item Import register (.xlsx) Pull from schedule (STO·SAR) Run expert panel on shown (1521) Columns +

Quick search (any visible column) 1,521 of 1,521 shown Export CSV

Item	WO	Tag	Scope description	Type	Unit	Discipline	Class	Risk	MR	Outcome	Disposition	Status	AI
SDC-001	90826089	FCCD3	FCCD3 GHR PVI Inspection & C...	Vessel	FCC	Static	discretionary				Defer	Decided	✓ 3 gaps
SDC-002	90826094	MORQ-0211...	FCCD4 Sec. PVI Inspection & C...	Vessel	FCC	Static	discretionary					Open	✓ clear
SDC-003	90790865	FCCE11	FCCE11 Internal PVI and Clean...	Exchanger	FCC	Static	discretionary				Include	Decided	✓ 4 gaps
SDC-004	90825979	MORQ-0211...	FCCD2 Internal PVI Inspection	Vessel	FCC	Static	discretionary					Open	✓ 3 gaps
SDC-005	90826098	MORQ-0211...	FCCD5 PVI Inspection & Cat Ch...	Vessel	FCC	Static	discretionary					Open	✓ clear
SDC-006	90826107	MORQ-0211...	FCCE13A PVI Inspection & Cle...	Vessel	FCC	Static	discretionary					Open	✓ 2 gaps
SDC-007	90826109	MORQ-0211...	FCCE13B PVI Inspection & Cle...	Vessel	FCC	Static	discretionary					Open	✓ 3 gaps
SDC-008	90826144	FCCH1	FCCH1 PVI Internal Inspection	Exchanger	FCC	Static	discretionary					Open	✓ 3 gaps
SDC-009	90674800	218-PSV-7302	218-PSV-7302 Replace	PSV/TSV	218	Static	discretionary					Open	✓ 3 gaps

The live challenge register: every discretionary item scored, sorted lowest mitigation-ratio first.

ILLUSTRATIVE DEMO DATA

— THE PROBLEM

Work lists grow by accretion, not by decision.

THE SCOPE DUMP

Items carried with no basis anyone can point to

RISK BY GENERIC CURVE

Failure probability from a generic distribution that overstates it

UNDOCUMENTED REVIEW

A challenge no one can defend or repeat

— A TWO-STAGE, RISK-BASED CHALLENGE, WITH DATA IN THE LOOP

01 · RISK SCREEN

Before and after

Score the risk skipped and the risk if done. A severe risk forces an item in only when the work actually reduces it.

02 · MITIGATION RATIO

Value over cost

The risk removed over ROM cost, priced on your real daily margin and rate-loss, against a minimum ratio.

03 · POST-FREEZE

A rising bar

After freeze, additions face an escalating hurdle as the event nears and the growth allowance is spent.

One item's challenge card: the before/after risk screen, the mitigation ratio, and the AI expert panel testing the justification.

ILLUSTRATIVE DEMO DATA

THE DIFFERENCE • 01 • A RELIABILITY PANEL ON EVERY ITEM

A multi-discipline expert panel (fixed equipment, rotating, E/I&C and SIS, heat transfer, operations) reads every item against your premise and sharpens the challenge. It coaches and questions; it never certifies, and issues no SIL, RBI, or fitness-for-service verdict. It reasons only over a retrieved reference pack, cites a standard only when supported, and every finding must survive an adversarial review before it reaches the room.

THE DIFFERENCE • 02 • THE WHOLE TEAM, ONE CLEAN RECORD

Everyone joins on a personal code and follows the facilitator's item live. Proposals and evidence land in a contribution queue the facilitator accepts, so planner, operations, process, inspection, and equipment engineers all fill the record at once without corrupting it. The register stays clean while the room does the work.

WHAT YOU GET

IN
Discretionary work list



ENGINE
Challenge + panel + room



OUT
Frozen register + change control

Every discretionary item with a recorded disposition (include, defer, eliminate, offload, reduce), its quantified basis, and the hours and cost moved, plus an endorsement package and post-freeze change control. Intake by spreadsheet or pull scope items from a linked schedule via STO-SAR.

Challenge your next work list before it locks.

Send us the discretionary work list for the event you are planning now. We will show you what earns its place and what comes out.

Book a call

stointelligence.com

Call or text +1 832 900 2592