

RISK EVALUATION & THREAT MODELING

Avalon tells you which threats can reach your systems and data, how likely and damaging each is, and which fixes matter most — in a form your AO, IG, and leadership will accept.

THE PROBLEM WE ADDRESS

Risk assessments are often stale, copy-pasted, or written to satisfy a checklist rather than describe the threats actually targeting the mission.

Without threat-informed prioritization, agencies remediate by scanner severity score, so the finding that could actually take the mission down often sits behind fifty findings that cannot.

WHAT WE DO

- System decomposition: data flow diagrams, trust boundaries, entry points
- STRIDE, PASTA, LINDDUN, or attack trees, fit to the system
- Threats mapped to MITRE ATT&CK techniques
- Asset and information-type characterization (FIPS 199)
- Threat source and event identification across all four 800-30 classes
- Likelihood and impact analysis calibrated to your existing risk scale
- Prioritized risk register with recommended responses
- 30/60/90-day prioritized remediation roadmap

HOW WE DO IT

1 KICKOFF & SCOPING

System boundary confirmed, data-call list finalized, and the risk scale/report template agreed.

DELIVERABLE

Scoping + risk scale

3 RISK ANALYSIS

Likelihood/impact scoring, correlation with vulnerability evidence, and control mapping.

DELIVERABLE

Prioritized risk register

2 DISCOVERY & MODELING

Document review, stakeholder interviews, and facilitated threat-modeling workshops.

DELIVERABLE

Threat model + ATT&CK mapping

4 REPORTING & BRIEFING

Draft report, agency review, final report, and an executive out-brief, with an optional 60/90-day re-check.

HANDOVER

Final report + remediation roadmap

VALUE DELIVERED

- › **Ratings that trace to a real attack path.** Every risk score is built on an engineering-level threat model, not an assessor's gut feel.
- › **Priority by mission impact, not scanner score.** A prioritized register ranks findings by what could actually take the mission down.
- › **Drops directly into the authorization package.** An 800-30-conformant report and register format for eMASS, CSAM, or Xacta.
- › **True independence.** Avalon assesses nothing it built and recommends nothing it sells.

THE ONE THING TO REMEMBER

Most firms sell one half of this. Avalon integrates both.

COMMONLY PROCURED AS

Risk assessment / threat modeling services

AT A GLANCE

Model	Fixed-price, scoped per engagement
Typical	6–9 wks for a typical single system
NAICS	541512, 541511, 541519, 541611, 541690
UEI	Y9MXMMHY3HA1
CAGE	242T0
Standards	NIST SP 800-30, MITRE ATT&CK, NIST SP 800-53 (RA-3), NIST CSF 2.0

WHO WE WORK WITH

- ISSO / AO needing a current, defensible risk assessment for an ATO
- System architect wanting threat modeling before design flaws get built
- Program manager prioritizing a remediation budget by mission impact

COMMITMENT TO QUALITY

Avalon is led directly by a PMP-certified founder with a decade of enterprise engineering experience where every engagement gets senior-level attention, never a subcontracted bench. Delivery follows NIST SP 800-53, RMF, and FISMA, evidence-backed and control-mapped by design. ISO 9001/27001 is on the roadmap as the pipeline scales.

Status: Small business federal contractor based in Los Angeles, CA

NIST SP 800-30

MITRE ATT&CK

NIST SP 800-53 (RA-3)

NIST CSF 2.0