

# SYSTEM & APPLICATION SECURITY PLANS (SSP)

Avalon interviews the people who run your system, verifies what's really in place, and writes control-by-control statements that hold up under an assessor's review.

## THE PROBLEM WE ADDRESS

Without a current, accurate SSP a system cannot complete assessment and authorization — the ATO either lapses or is granted on paperwork that misrepresents the system.

SSPs are institutional memory, and when an ISSO leaves, the plan's accuracy usually leaves with them — a problem sharpened by recent federal workforce reductions.

## WHAT WE DO

- FIPS 199 categorization and control baseline validation
- Authorization boundary and network/data-flow diagrams
- Hardware/software component inventory reconciliation
- Who/what/how/where narratives for every in-scope control
- Accurate implementation status, including honest "planned" disclosures
- Verified inherited-control statements against providers' actual packages
- Population of eMASS, CSAM, Xacta, ServiceNow IRM, or OSCAL
- Internal assessor-lens QA review before delivery

## HOW WE DO IT

### 1 KICKOFF & SCOPING

Boundary and categorization validation, artifact inventory, and interview schedule set day one.

#### DELIVERABLE

Scoping + inventory

### 3 DRAFTING

Control narratives, diagrams, and appendices delivered on a rolling basis by control family.

#### DELIVERABLE

Draft plan by family

### 2 DISCOVERY

SME interviews, configuration/document review, and inventory reconciliation.

#### DELIVERABLE

Verified system facts

### 4 VALIDATION & HANDOFF

SME verification, assessor-lens QA, ISSM walkthrough, and final plan or GRC population.

#### HANDOVER

Final SSP + gap log

## VALUE DELIVERED

- Narratives that describe real mechanisms.** Written by people who validate the boundary from scratch, not transcribe an old plan.
- Assessor-lens QA, before the client sees it.** Every narrative is read the way a security control assessor will read it.
- Honest over polished.** A control documented as "planned" gets routed to the gap log rather than dressed up.
- One team, both lenses.** Cybersecurity and Digital Transformation depth in the same team means narratives read like they understand the environment.

#### THE ONE THING TO REMEMBER

**Narratives written by people who've actually built the systems they describe.**

#### COMMONLY PROCURED AS

System Security Plan (SSP) development services

## AT A GLANCE

|           |                                                                                                   |
|-----------|---------------------------------------------------------------------------------------------------|
| Model     | Fixed-price or T&M, scoped per engagement                                                         |
| Typical   | 6–10 wks for a new Moderate-baseline plan                                                         |
| NAICS     | 541512, 541511, 541519, 541611, 541690                                                            |
| UEI       | Y9MXMMHY3HA1                                                                                      |
| CAGE      | 242T0                                                                                             |
| Standards | NIST SP 800-18 Rev 2, NIST SP 800-53 Rev 5 (PL-2), NIST SP 800-37 (RMF), NIST SP 800-171 (3.12.4) |

## WHO WE WORK WITH

- ISSO / ISSM needing a new or rebuilt SSP ahead of assessment
- System owner whose plan no longer reflects what's actually deployed
- AO staff who need control narratives that will survive assessor review

## 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 800-18 REV 2

NIST SP 800-53 REV 5 (PL-2)

NIST SP 800-37 (RMF)

NIST SP 800-171 (3.12.4)