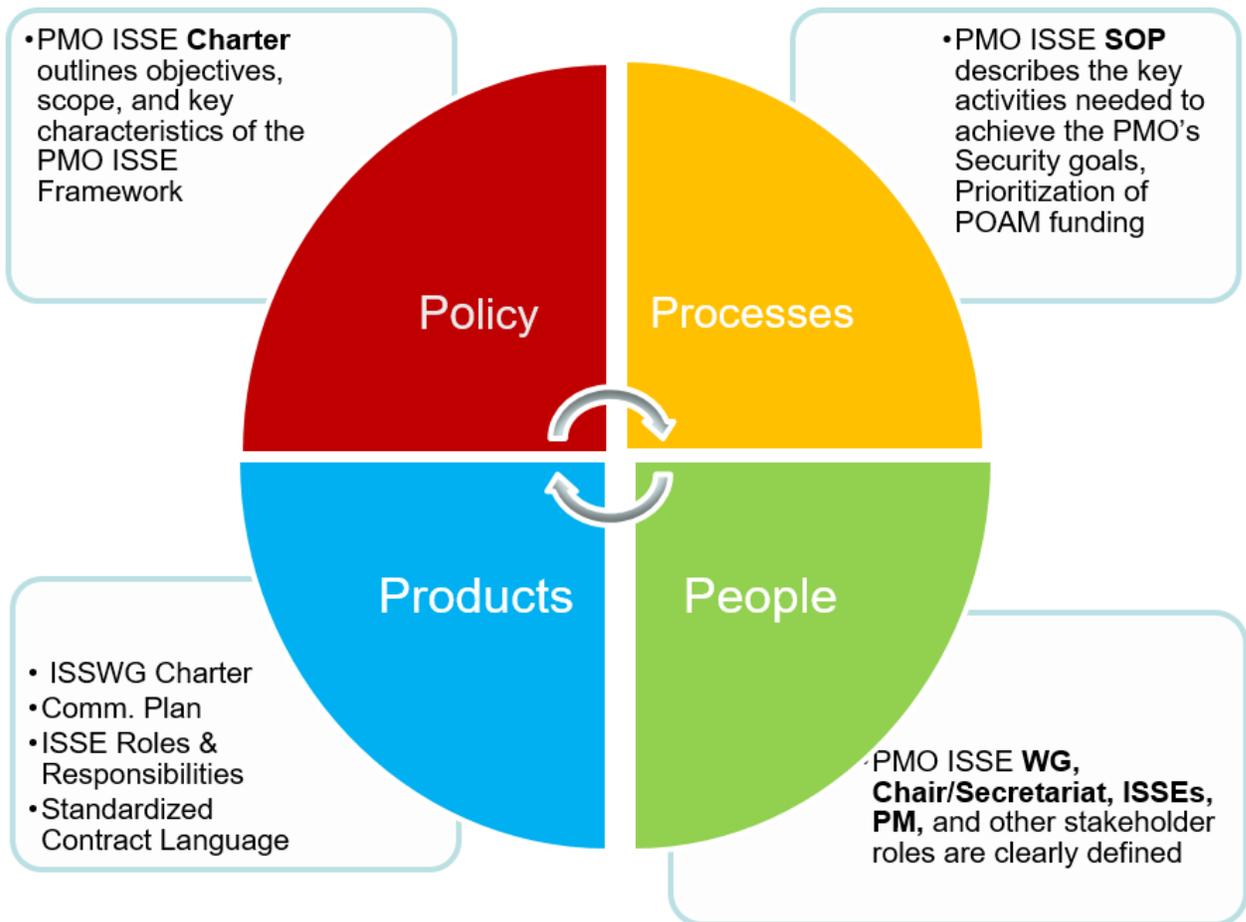


2020  
FAA CYBERSECURITY AWARENESS SYMPOSIUM  
THEME – “CYBER HYGIENE”

**PLANNING AND ANALYSIS – ISSWG**



## Information Systems Security Engineering (ISSE) Starter Kit (January 2020)

Purpose: *The ISSE Starter Kit is a resource that consolidates many of the tools, training, Orders, and templates for quick reference to facilitate streamlined consistent processes in the PMO. The Starter Kit will be of use to PMO ISSE's as well as System Owners. It will assist PMO Program Managers in understanding the ISS requirements applicable to their programs and the processes and funding needed to fulfill those requirements. The ISSE Starter Kit is a single document containing material and links to key material.*

### ISSE Framework

***System Security Engineering Work in the PMO crosses all AMS stages. Establishment of the ISSE Framework ensures facilitation of a consistent and efficient method to perform this work.***

***The PMO ISSE Framework is a set of processes, products, and clearly defined ISSE responsibilities designed to achieve a targeted set of security outcomes for the PMO and the ATO.***

#### History of the ISSE Framework:

The ISSE Working Group Charter outlines the objectives, scope and key characteristics of the PMO ISSE Framework.

ISSWG Charter

LT Briefing Dec 12.5.2019

#### Roles and Responsibilities:

ISSE Roles & Responsibilities

ISSE Recommended Training Orientation

Communication Plan

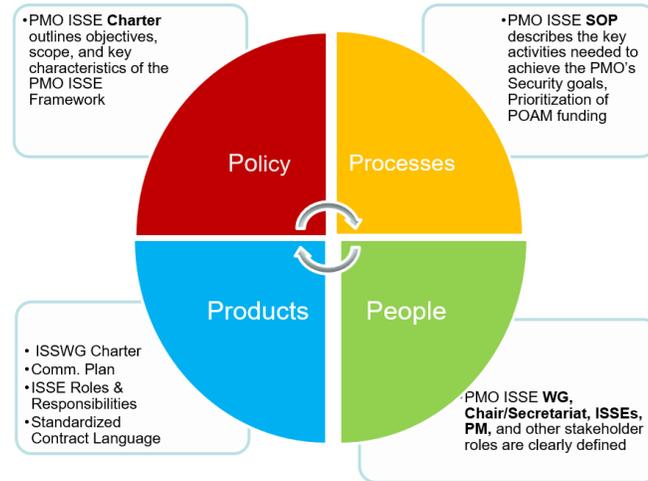
FAA Lifecycle Management Process Flowchart

#### Standard Operating Procedures:

System acquisitions require ISSE analyses in order to meet JRC milestones in the AMS lifecycle. Requirements for ISSE analysis depend on the particular type of program. FISMA, FIPS-199, FIPS-200 and NIST SP800-53 establish the key security requirements. The SOP provides an AMS phase-by-phase overview of best practices.

The SOP contains specific templates and “How to” for the following ISSE activities:

- **How to Process and document an NCO alert**
- **How to document a program that is Not Applicable (NA) for the JRC**
- **How to Request Funding for POAM mitigation and document results**
- **How to review guidelines for reviewing pRD's and Specifications,**
- **How to review Contract SOWs and ensure standardized contract language is incorporated.**



- **How to for ISS assessment guidelines for FIP's 199 categorization**
- **How to dispute a FIPS 199 categorization**
- **How to for Supply Chain Risk Security guidelines contract language**
- **How to review a Configuration Change Request for Security impacts via Web CM.**
- **How to integrate a security issue into the PMO RIO process**
- **How to process NORA differences from FIPS 199 categorization**

## **Templates**

JRC Readiness Criteria  
Checklist  
AODR/Authorization  
Templates

Link: To Security  
Authorization Handbook  
2019

FAST / AMS Security Page



## **Tools for Security Posture Analysis**

- SMART Access Request Form - User Guide - Quick Start Guide manual
- NORA
- Web CM – Link to obtain access and an account

## **Quick Reference Guide:**

- LINK: Security Health Metric dashboard – ISSWG doesn't have access
- Link: Configuration standards Link (Aruna follow up)
- ISSE Glossary
- Acronym List
- ATO NIST SP 800-53 Rev. 4 to Rev 5 Gap Analysis
- Applicable Laws and References
- AJM-24/25 Security Resources