

Developing an Operational Technology Asset Management Plan

Scope

- State requirements
- Define outcomes
- Perform gap analysis, IT/OT interdependencies, and physical controls
- Determine budget
- Determine lifespan of the asset (investment strategy)
- Define how extensive your asset management program will be

IT/OT Tools (Build/Buy)

- Define tools you want
- Consider regulatory requirements
- Perform vendor risk assessment
- Perform assessment of existing tool sets and platforms
- Determine In-house or Software as a Service (SaaS)

Staffing/People

- In-house expertise
- Outsource (Asset Management as a Service –AMaaS)
- Influencers/Consumer/Stakeholders
- Identify asset/data owners and data custodians

Discovery

- Physical/Technical details
- IP addresses
- Software versions
- GPS locations
- Risk rank
- Exposure
- Physical/technical owner
- Physical security components
- Identify dependencies
- Initial inventory list
- Review liability protections

Implementation

- Barcoding
- Notification
- Automated discovery
- Monitoring

Maintenance

- Follow service schedule and advisories
- Document maintenance history
- Monitor performance
- Document change and configuration management
- Define end-of-life

Disposal

- Prevent data disclosure by wiping or destroying memory, clearing configuration
- Safely remove and dispose of asset

