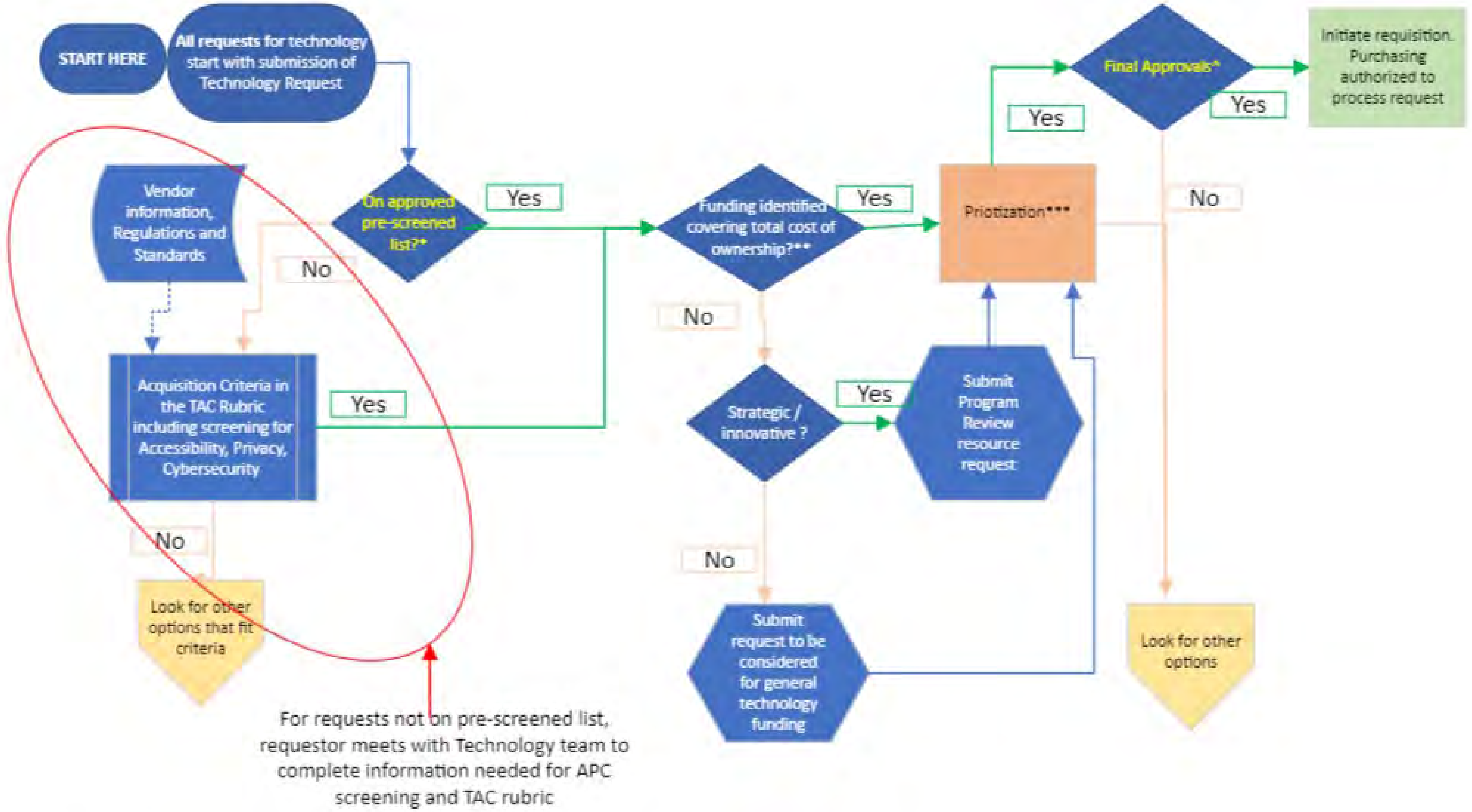
Technology Committee Update
May 2023

- Technology Acquisition Process Update
- Cybersecurity Initiatives Updates

Technology Acquisition Process Update

DRAFT Technology request process

Affirmed by Technology Committee with update on 4/25/2023



START HERE

All requests for technology start with submission of Technology Request

On approved pre-screened list?*

Yes

No

Vendor information, Regulations and Standards

Acquisition Criteria in the TAC Rubric including screening for Accessibility, Privacy, Cybersecurity

Yes

No

Look for other options that fit criteria

For requests not on pre-screened list, requestor meets with Technology team to complete information needed for APC screening and TAC rubric

Funding identified covering total cost of ownership?**

Yes

No

Strategic / innovative ?

Yes

Submit Program Review resource request

No

Submit request to be considered for general technology funding

Priotization***

Yes

Final Approvals^

Yes

Initiate requisition. Purchasing authorized to process request

No

Look for other options

*Approved pre-screened list includes technology that has been evaluated and found to meet all TAC rubric criteria

**Prioritization - Technology Committee uses the Technology Acquisition Criteria (TAC) rubric to review and recommend implementation priorities

***All technology requests, even those with funding identified, need to start with a Technology Request submission and follow the flow chart above.

^ Final Approval review Includes screening for facilities considerations -adequate electrical, space, ventilation, etc -as well as technical considerations such as # of data ports etc (ITS & Facilities)

Cybersecurity Initiatives Updates May 2023

- Banner and Oracle Cloud Infrastructure
- Network and Telecommunications
- Systems and Data Center
- User Devices and Accounts
- OLET Canvas and Security

Banner and Oracle Cloud Infrastructure

- □ Windows Monthly OS patching
- □ Quarterly Linux OS patching
- □ Banner Applications upgrade
- □ Disabled RC4 Obsolete protocol
- □ MFA: DUO at server level

- □ Vulnerability Assessment & Remediation
  - Systems browsers upgrades
  - Certificate cipher updates
  - SSL certificate updates

- □ Annual full back ups (3 years retention)
- □ Complex password policy on all servers

Network and Telecommunications

- □ Adopted CCC Information Security Standards (BP 8.18, AP 8.18)
- □ Completed CCC Cybersecurity self-assessment (AP 178)
- □ CCC Triennial Security Review and Pentest (April-May, 2023)
- □ Participation in CCC Information Security Advisory Committee
- □ Maintain Cyber Emergency Preparedness Plan
- □ Maintain partnership with City of SF Office of Cybersecurity
- □ Implemented Next-Generation Firewalls with Threat Protection and URL Filtering

Systems and Data Center

- ❑ MFA standard on all new servers, including console connections
- ❑ Security patches
  - o Semi-annual review of admin access
  - o Regular OS patches (Win, Linux)
  - o API and tools updates (Java, Tomcat, etc..)
  - o Certificates updates
- ❑ Vulnerability scans
  - o Scan, review, remediate (monthly)
  - o Healthcheck from CCC TechCenter in-progress as phase 1 of O365 A5 Security Suite deployment

User Devices and Accounts

- ❑ Anti-Virus Protection Services
  - Malwarebytes Detection and Response (MDR)
  - Wildfire Cloud Malware Protection
  - Microsoft Defender for Endpoint (Summer 2023)
  - Trellix Endpoint Security (HX)
- ❑ Multi-Factor Authentication Training
  - O365
  - RAMid
- ❑ O365 Security Measures
  - Data Loss Protection (SSN, Credit Card, Bank account information)
  - Impersonation Protection
  - Blacklisting malicious domains and email addresses
  - In/Out bound email management (spam, Phishing)
  - Conditional Access

OLET
Canvas and Security

- RAM ID Portal-Required (Two-Factor Authentication)

- Canvas Security Program Built on: ISO 27001, NIST’s Cyber Security Framework, AICPA’s Trust Services Principles and Criteria, and SANS’ CIS Critical Security Controls

- *Open Security* Model

- Canvas Security Audit Report (April 2023)

Technology Committee Updates
May 2023

THANK YOU.