

Audit Committee IT Update (Appendix A)

January 2019

Topics Covered



I&T Strategic Planning process



Strategic discussions,
opportunities, and risks



Question + Answers



Information & Technology Strategic Plan

- Plan focuses on organizational wide use of technology
- Previous strategic plans focused on:
 - IT department improvements
 - Infrastructure/devices
- New plan focused should focus organizational objectives improved via IT
- This is improvement plan not an exhaustive list of every IT initiative

I & T Strategic Plan

Best Practices

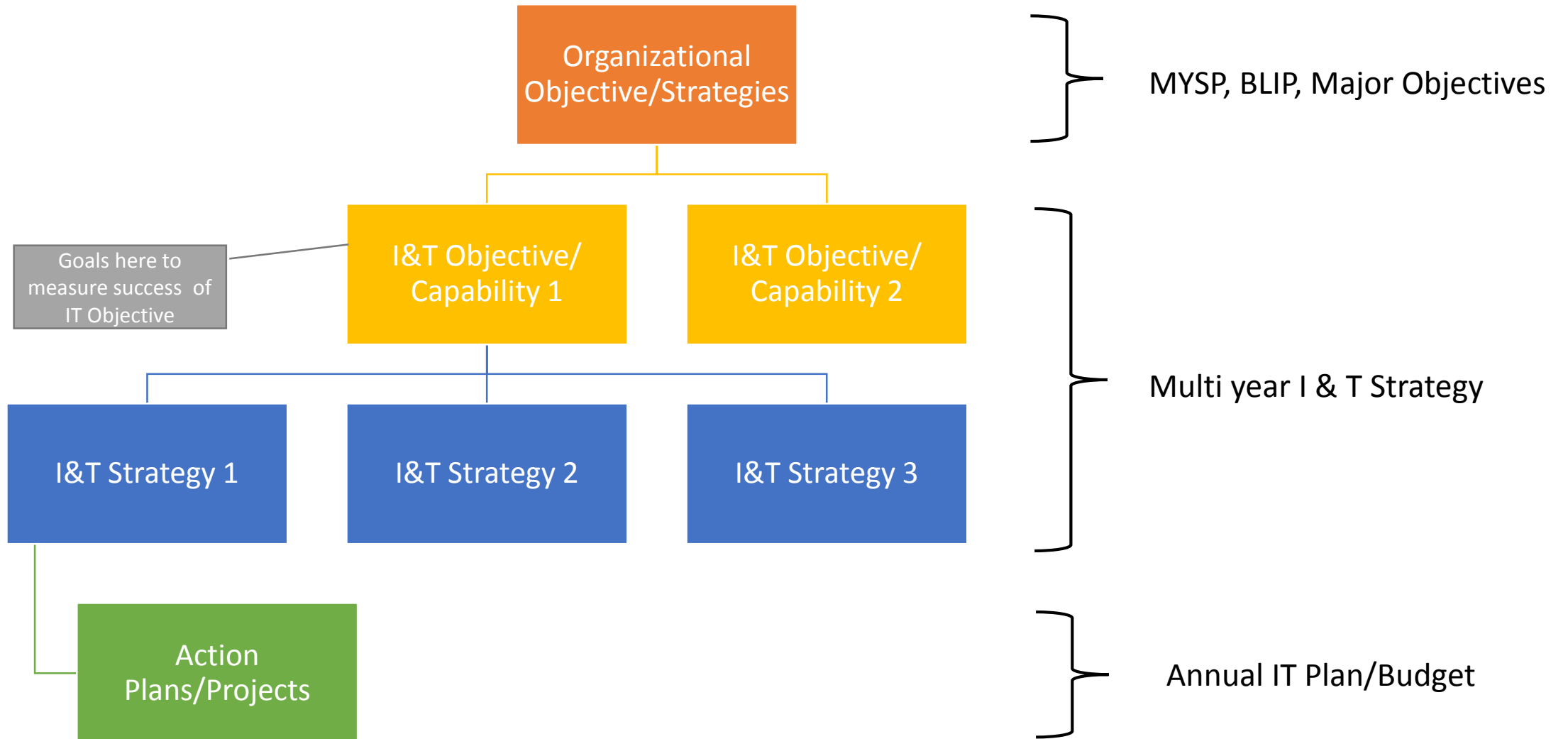
Strategy Is Part of the Enterprise's Long-Term Planning Horizon

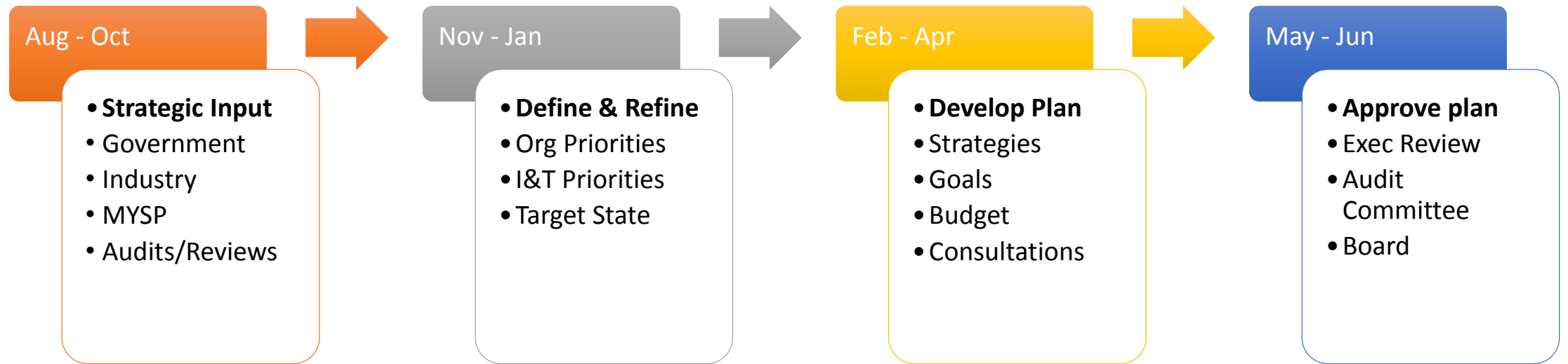


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I&T Strategic Plan – Linking our Plans





I&T Strategic Plan - Work Plan

Strategic Inputs

Discussions

✓ E&Y Line-by-line spending report

✓ Auditor General's Report

✓ MYSP

✓ BLIP

✓ 2010/16 IT Strategy

Benchmarking
(2012)

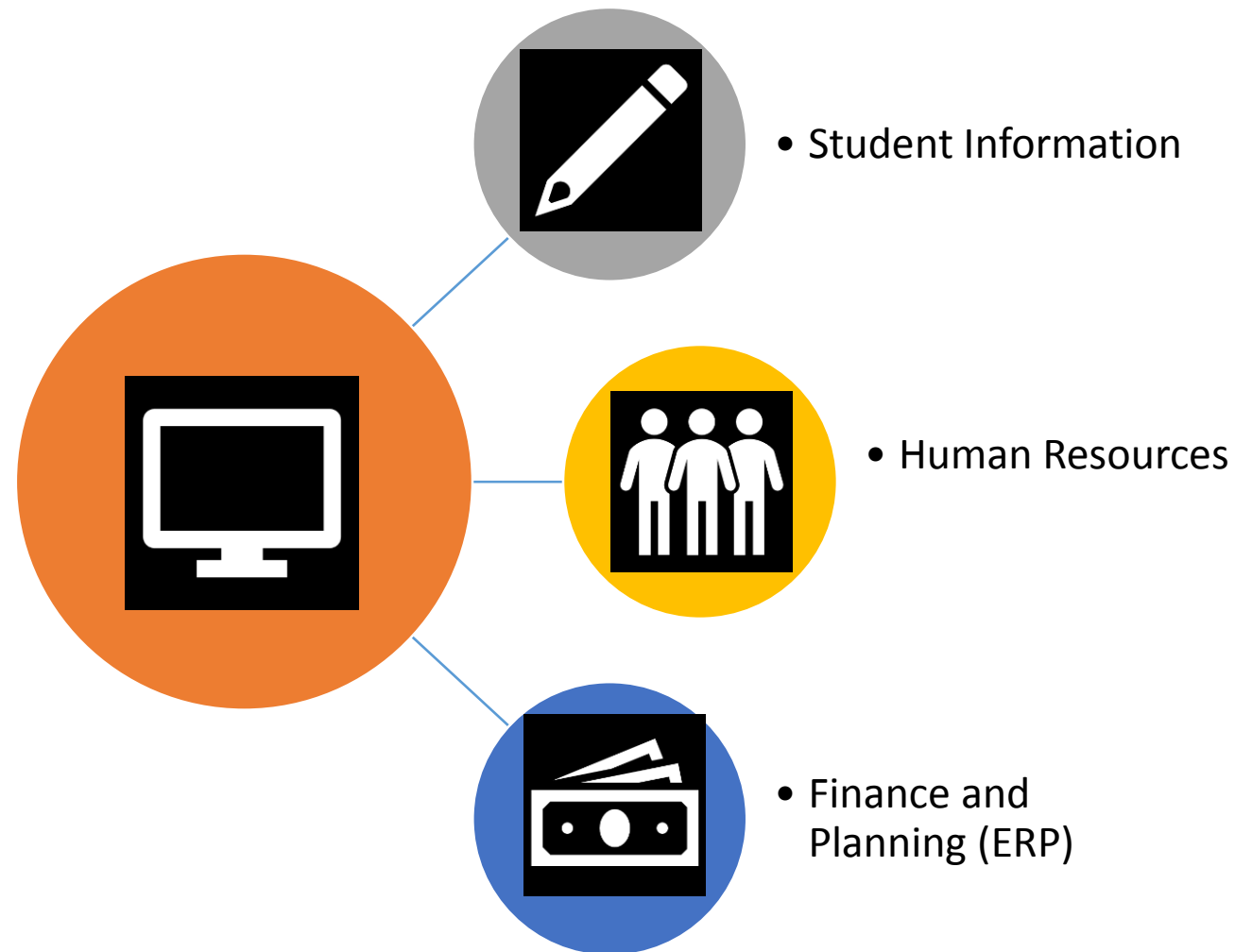
◇ CYBER SECURITY

◇ IT ASSET AUDIT

top trends
Gartner



Enterprise Systems



Opportunities

- Upgrade the “digital core”
- Improve and streamline processes
- Make better decisions with more data
- Align with AGO recommendations on SIS

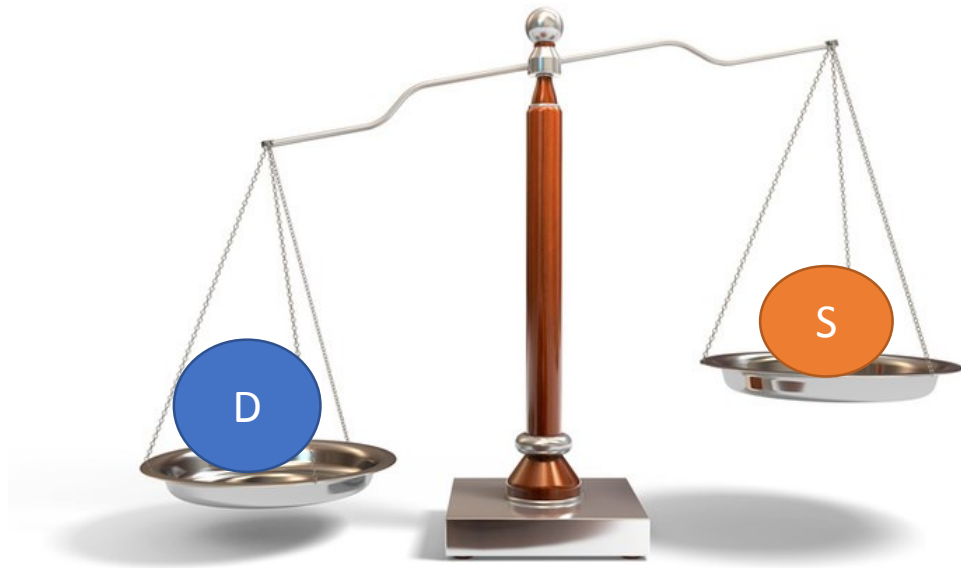
Risks/ Challenges

- SIS vendor change and end of life
- SAP move needed before 2025
- Expensive and high organization change
- Staff capacity for implementation

Recent Work

- Exploring market for HR, project, facilities and expense systems
- Deeply involved in RFP for province wide SIS
- IT strategic systems reserve

More Data and Data Security



“With great power comes great responsibility”
- Uncle Ben

Opportunities

- Better understanding and decision making
- Customizing student learning and feedback
- Connecting the home and schools
- Improving our cyber security posture

Risks/ Challenges

- Data Integration (Data Silos)
- More data = more risk of attack/mistakes
- Organizational cyber security thinking
- No specific funding for IT security

Recent Work

- Cyber risk assessment by 3rd party
- Vulnerability and penetration testing
- Security monitoring and notices

Modernizing the I&T Operating model

Opportunities

- Strategic deployment of I&T
- Improving IT decision making (bang for buck)
- Maximizing scarce people resources
- Supporting parents and students more

Risks/ Challenges

- No formal IT Governance
- No CIO until now. 3 separate IT departments
- Funding- IT spend is 2.1% vs 5.7% Edu industry
- Changes for unionized staff

Recent Work

- Started high-level IT Governance process
- Benchmarking across **8** functional areas
- IT department Reorganization planning
- Exploration of Cloud-based Services



“An information and technology (I&T) operating model represents how an organization orchestrates its I&T capabilities to achieve its strategic objectives”
- Gartner

Enabling the “digital” school experience



Opportunities

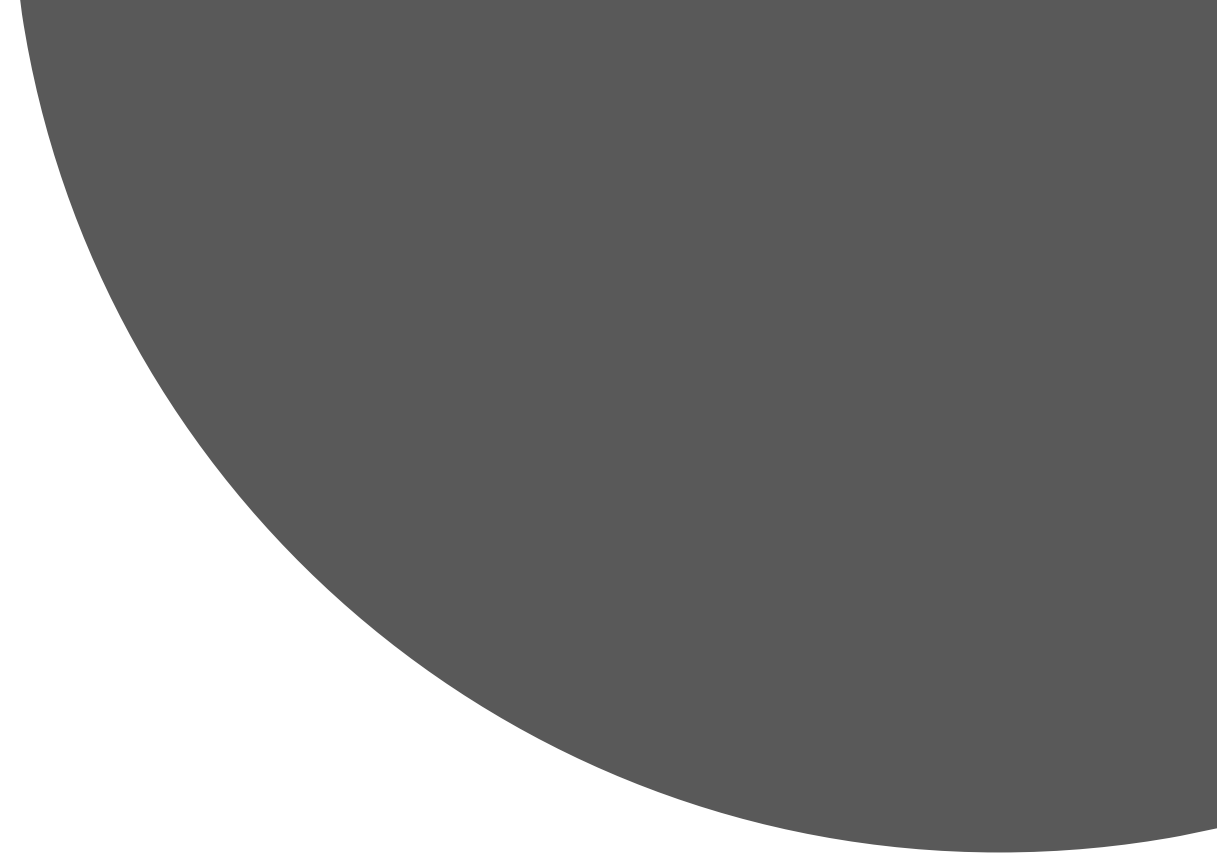
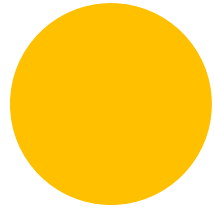
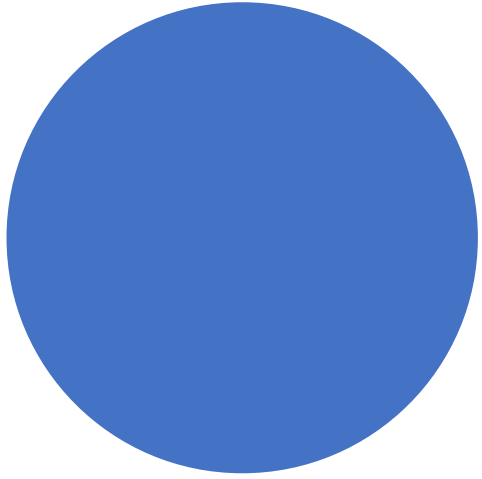
- Personalized learning for students
- maximizing teaching time
- Streamline school operations
- Connect the school and the home
- Attracting more parents and students

Risks/ Challenges

- Old funding based
- Not enough student devices
- Teachers comfort with digital tools
- Privacy and data security risks

Recent Work

- Development of I&T Strategy
- Spot solutions (school messenger)
- IT asset audit on-going
- IT Infrastructure reserve



Questions | Answers