

# Cyber Security

## Audit Committee Update

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IT Services Delivery | IT Operations | Service Excellence & Innovation



# Background

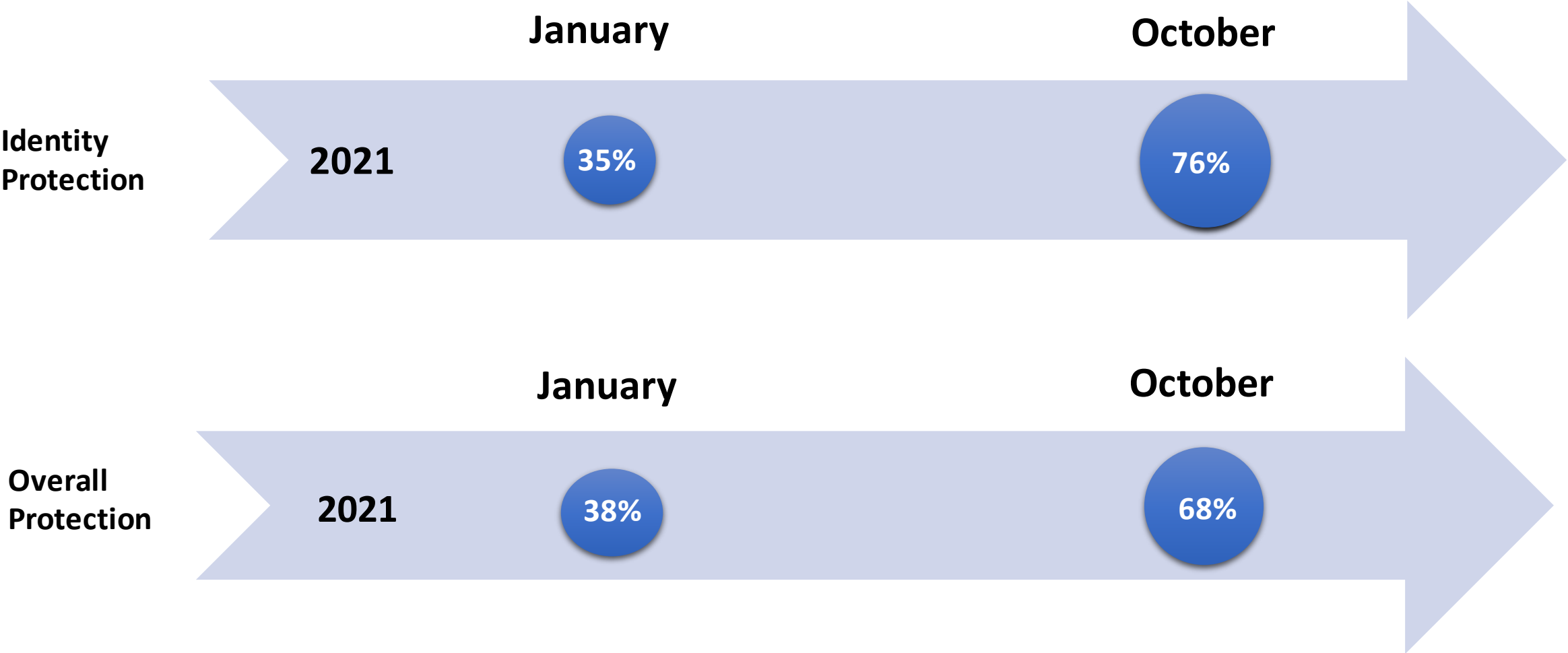
- In 2019, Region of Peel completed IT Security Assessment of its IT systems
- Initial work plan was created to address weak areas first and then focus on enhancing score for other areas
- In 2020, Application Portfolio Sustainment program was established and funded to modernize Peel's applications.

# 2021 Accomplishments

- Ninety older server operating systems and applications were removed or replaced. This has allowed IT Security to reduce overall security risks to its systems and applications by an average of 20%
- Adopted new emerging security technologies and increased audit level capabilities in existing Peel systems
- IT Security continued to release additional Cyber Security Awareness content to our employees with a new email phishing campaign to be completed in the month of November














# 2021 Accomplishments

## Operational Security Score Cards\*







**Operational Security Score Cards\*** Microsoft’s standard best practices for measuring organization’s security posture.








# Updated Work Plan

Activities	2020	2021*	2022
Deliver continuous Cyber Security awareness training for the organization			
Conduct internal email phishing campaign within the organization			
Modernize Security –Enhance security response using cloud machine learning and audit triggers			
Enhance security of mobile devices (smartphones)			
Review and update existing security and technology policy statements			




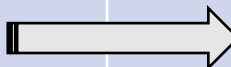

## Status Indicators

-  Completed
-  \* Scheduled to be completed by end of year
-  Ongoing
-  Not Started

# Updated Work Plan

Activities	2020	2021*	2022
Application Portfolio Sustainment program is underway to address the legacy applications by retiring, replacing, or upgrading these applications			
Enhance regulatory compliance controls			
(New) Corporate Information Classification and Protection			

# Updated Work Plan

Activities	2020	2021*	2022
(New) Establish Operational Security Score Cards			
(New) Enhance capabilities of an existing Cyber Security Training platform to reach more employees.			
Complete follow up IT security assessment (delayed until 2022)		 	

# Questions?

