



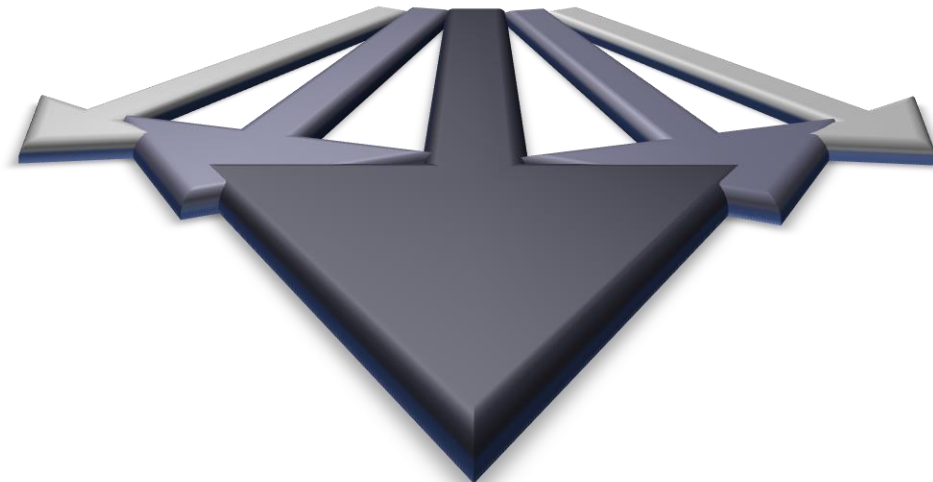
The Journey Towards Serving a Digital Government

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Date: November 23, 2018

Government of Canada's experience with Shared Services

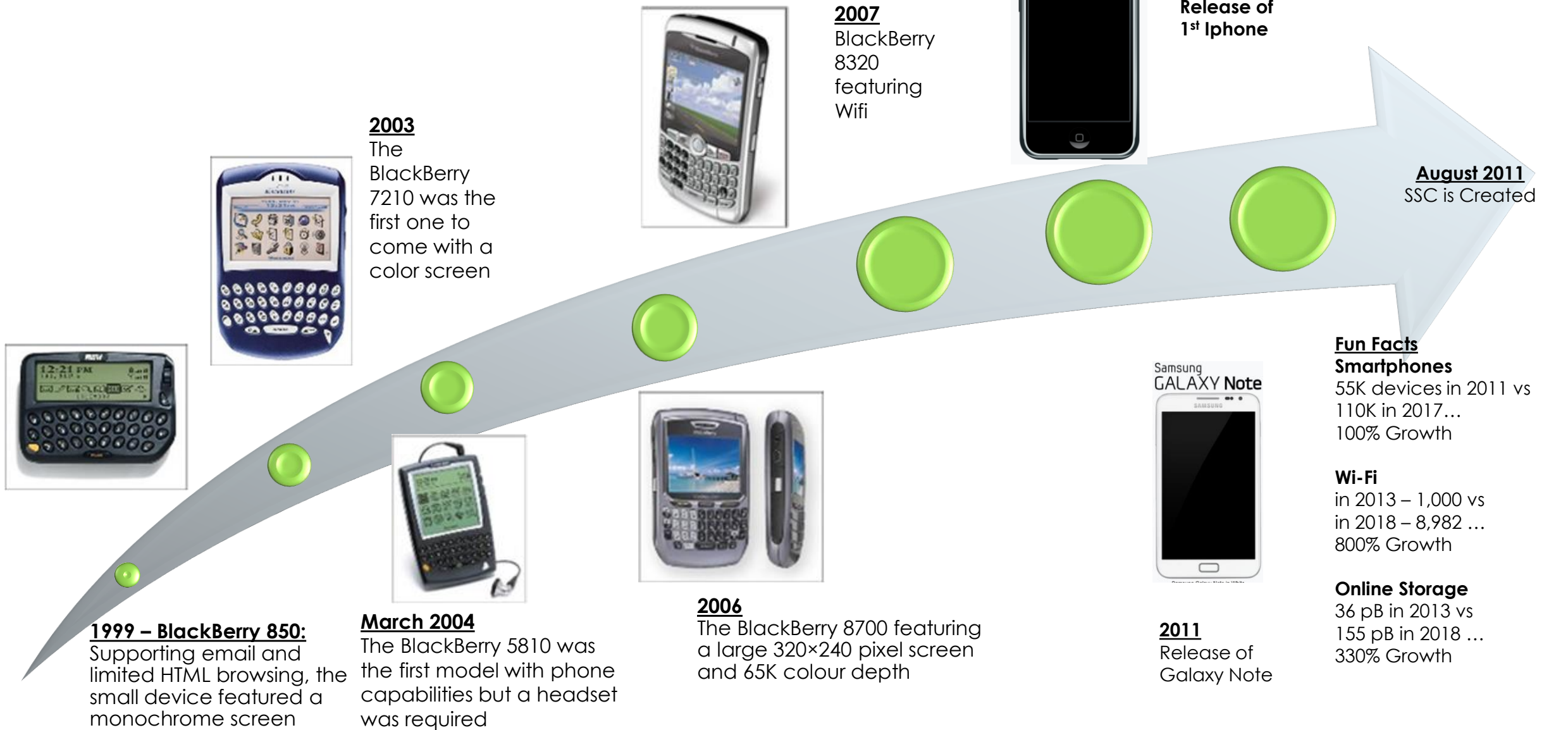
- History
- What are the Shared Services that Shared Services Canada (SSC) provides to the Government of Canada (GC)?
- Some of SSC's early challenges
- Shared Services Canada Resource Alignment Review (Gartner)
- What has changed?
- Next Steps



History

SmartPhone timeline

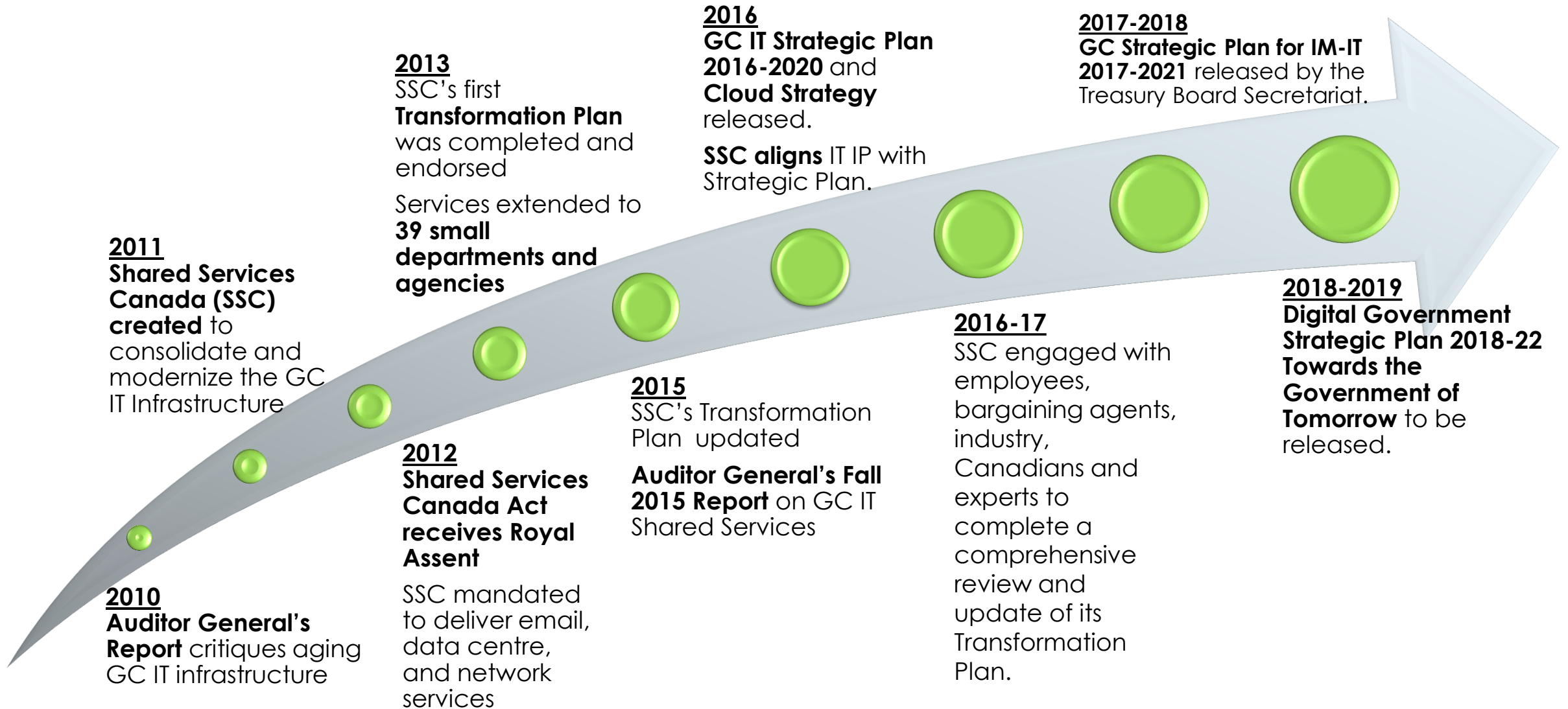
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History

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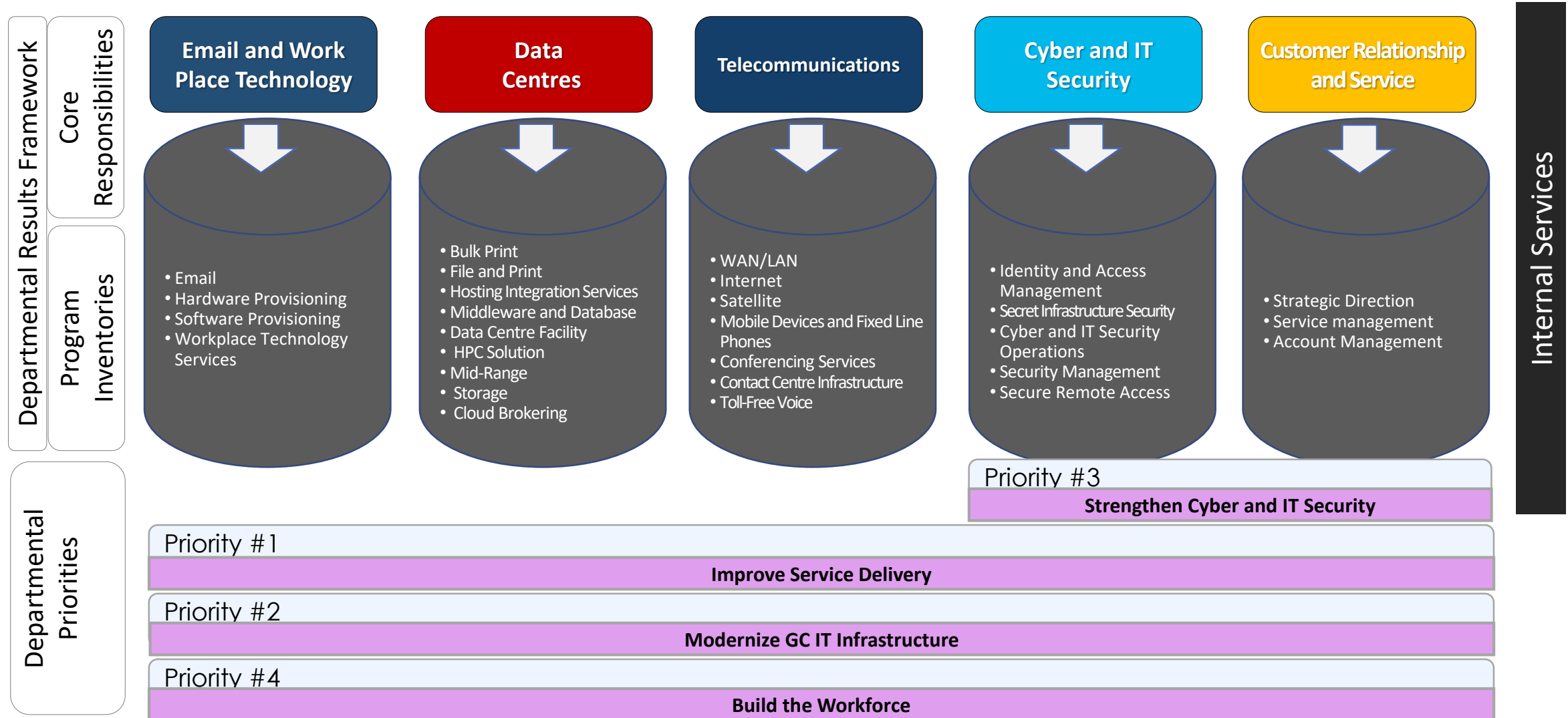
The Government of Canada's Shared Service journey



What are the Shared Services that SSC provides to the Government of Canada?

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Departmental Results Framework



Some of SSC's early challenges

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Financial categories (**Service**, **Growth**, **Evergreening**, **Project**) used in GC IT Strategic Plan for 2016-2020

SSC Key Challenges:

- No mechanism to cover **GROWTH** in demand
- **EVERGREENING** funded by applying a break/fix approach to legacy infrastructure
- Insufficient financial and HR capacity to meet **SERVICE** demand
- Inadequate project and service management maturity to respond to **SERVICE** demand
- No initial investment in **MODERNIZATION PROJECTS**

Impact on partners:

- Low customer satisfaction – **SERVICE**
- Inability to predict IT costs – **GROWTH**
- Ongoing dependency on unreliable legacy infrastructure – **EVERGREENING**
- Low confidence in enterprise approaches – **SERVICE**
- Delays in migration to enterprise solutions – **PROJECT** delays

Management Summary and Recommendations:

Findings

Governance Is the Most Critical Gap

- There is no central role, authority or accountability to manage prioritisation and operational direction across the GC.

A Cross-GC Role for IT Is Required

- High-level leadership (i.e., at the Deputy Minister level) for GC IT must be established. This role would have overall authority and accountability for IT and the IT profession for the GC.

DM of IT Implement a Set of Key Recommendations

- The Expert Panel identified five macro-level recommendations that the GC must consider to achieve its short- and long-term goals.

Recommendations

1. Establish Partner governance for SSC

2. Stabilise service delivery

3. Develop an SSC “relief valve” strategy for the transition period

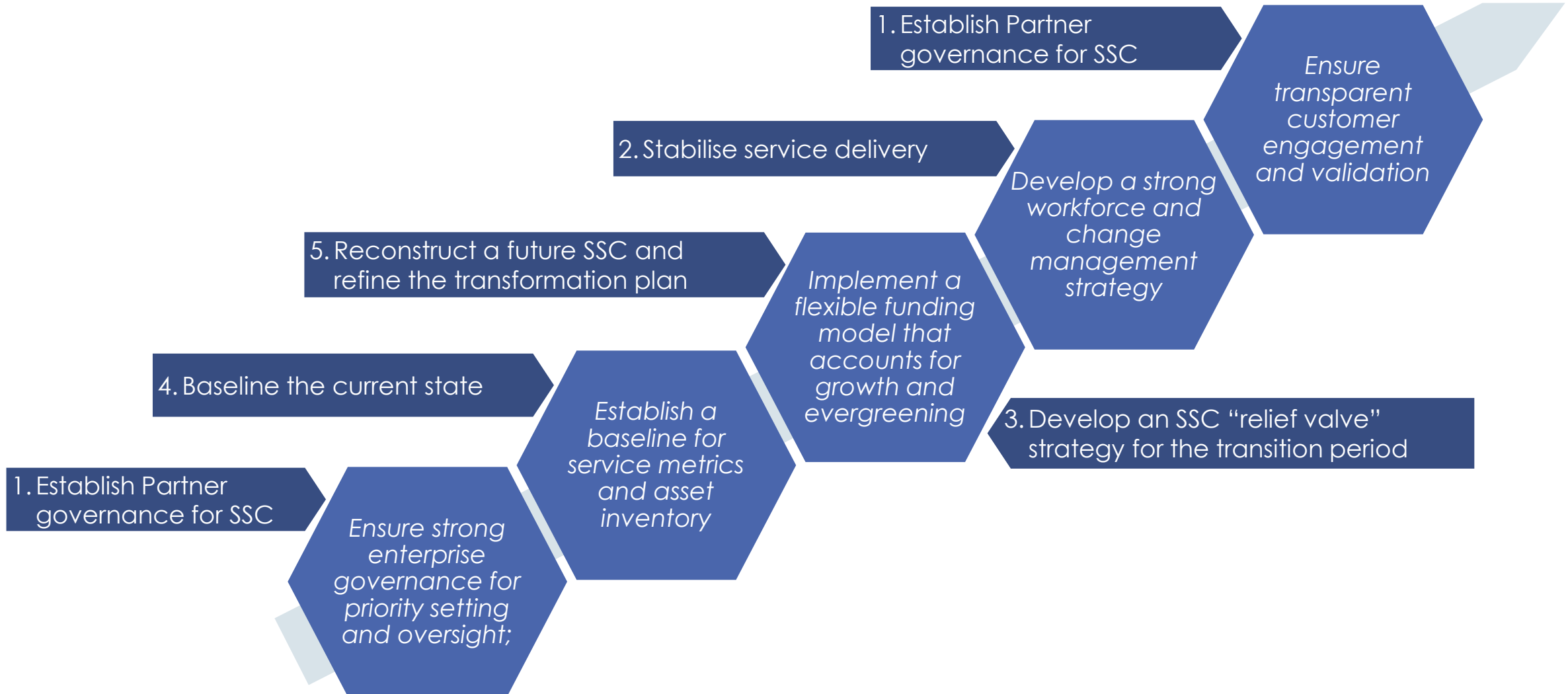
4. Baseline the current state

5. Reconstruct a future SSC and refine the transformation plan

What has changed?

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Shared Services Factors for Achieving Success



1. Establish Partner governance for SSC

Changes to GC IT/IM Policy

High level Leadership

Clarifying roles and responsibilities of departmental CIOs and the GC CIO

- Establish the role of the GC CIO (DM level)
- Establish and require the role of departmental CIO
- Establish functional relationship between GC CIO and department CIO's

Establish Partner governance

Establishing A/DM-CEPP and GC-EARB oversight committees

- A/DM-CEPP manages GC wide prioritization of IT initiatives
- ADM-CEPP members are selected ADM level representatives of partners
- DM-CEPP members are selected DM level representatives of partners
- GC-EARB provides early oversight and direction for concepts

What has changed?

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2. Stabilise service delivery

IT Infrastructure Library (ITIL) Process Improvement:

- Request fulfillment
- Incident Management
- Change Management
- Service Asset & Configuration Management



4 key processes

IT Service Management Tool

Service Standards and Service Inventory

Increase of 900 personnel over three years

What has changed?

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3. Develop an SSC “relief valve” strategy for the transition period

Cloud Brokering

- Unclassified contracts in place
- Protected B contracts will be in place next year

Work Load Migration

- Retire
- Migrate to unclassified cloud
- Migrate to Protected B cloud
- Migrate to On-premise cloud for Classified/High Risk Applications
- Migrate to Enterprise Data Centre

4. Baseline the current state

ITR Program:

- Puts in place a process to keep the Government of Canada's information technology resources relevant and up to date (3 year budget: \$356M)

Program centred around three activities:

Asset Discovery

- Create an inventory of assets to establish a baseline and to ensure that work is focused on the most important areas such as infrastructure refresh and managing organic growth

Windows 2008 Operating System (OS) Migration

- Infrastructure requirements supporting the migration of the Windows 2008 OS to Windows 2016 (20K+ servers in 2 years)

Legacy IT Replacement

- Continue the work of Program Integrity (Evergreening) addressing the SSC aging infrastructure that has reached End of Life/End of Service and is at risk of failing

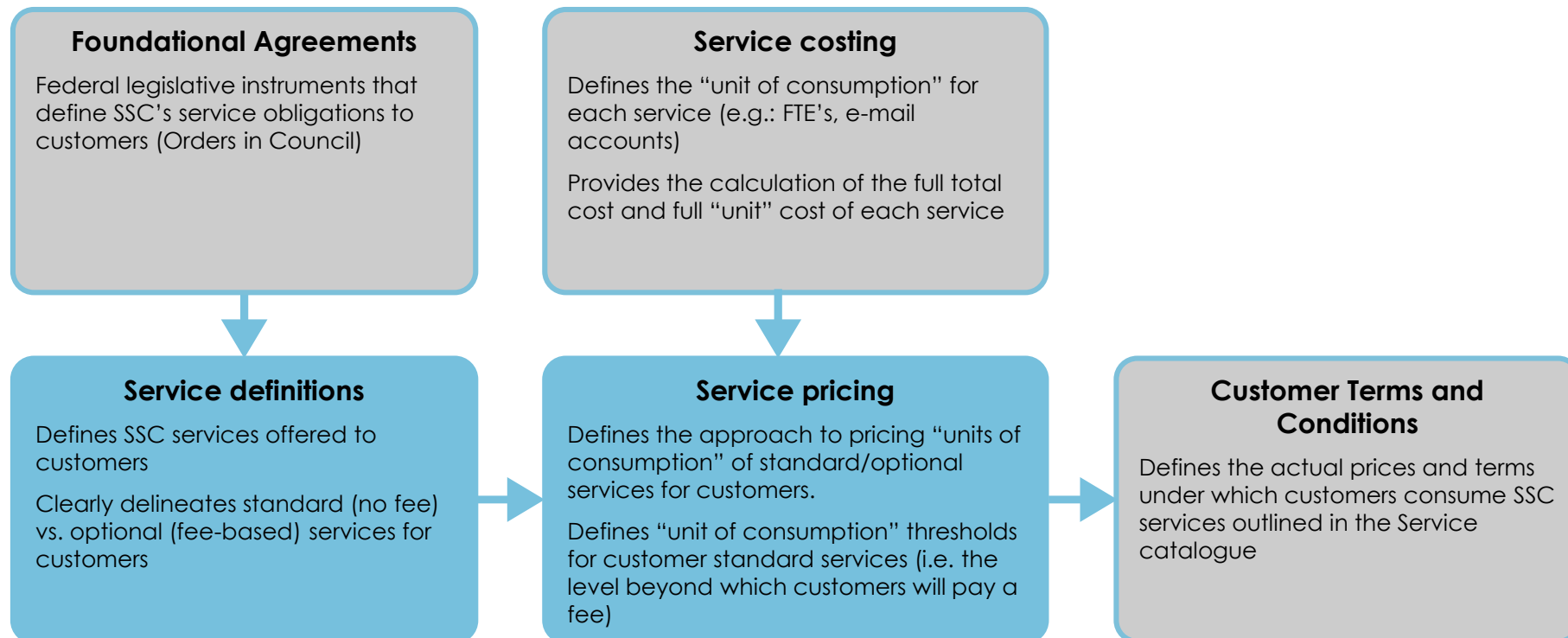
5. Reconstruct a future SSC and refine the transformation plan

- In 2011, SSC was formed to consolidate, and optimize the Information Technology of 43 Government departments.
 - Subsequently, planning activities were undertaken in collaboration with the Privy Council Office to derive the transformation of the GC infrastructure, for Data Centres, Email , & Telecommunications.
 - SSC was to transform and consolidate in order to achieve savings through economies of scale, and increased purchasing power with the vendor community.
- In 2015, SSC established a charging model associated with the challenge of growth in consumption of SSC services.
 - Partner demand for enterprise and legacy services put pressure on SSC's ability to meet expectations as we were not appropriated for this increased consumption. (i.e. WAN, Wi-Fi, Voice (Cellular) etc....)
- In 2016, Recommendations from the Gartner report on IT Transformation in Canada addressed to identify solutions to the aging infrastructure and the need for investments in the Government of Canada's IT Infrastructure.
 - SSC shifted to a more client centric approach in providing applicable service standards to its partner departments.
 - SSC began to work with central agencies to derive a solution for the aging infrastructure that it inherited at inception. SSC was not funded to replace the infrastructure but to maintain and improve.
- In 2017, SSC identified the need for an investment in its workforce to enhance customer experience and reduce the mean time to repair in infrastructure.
- Today, SSC is supporting the Department of Finance, the Treasury Board Secretariat of Canada, and the Privy Council Office as they develop a sustainable funding model for SSC.

What has changed?

SSC's foundational Charging model

- **Calculating the cost of IT service delivery**
- Calculating the cost of IT service delivery begins with a clear understanding of the **service definitions** and **service costing**.
- **Service definitions** are driven by foundational agreements that define SSC's legislative obligations. Described in SSC's [Service Catalogue](#) the service definitions also delineate between standard and optional services.
- **Service costing** defines the unit of consumption for each of SSC's services and provides a calculation for the full total cost and "unit" cost of each service offering.



5. Reconstruct a future SSC and refine the transformation plan

The future state of SSC

RUN	GROW	TRANSFORM
<ul style="list-style-type: none">▪ All operational activities (Keeping the lights on)▪ Ongoing preventative maintenance▪ Evergreening of existing assets	<ul style="list-style-type: none">▪ Meeting the IT demand of Departments	<ul style="list-style-type: none">▪ Building the target 'Enterprise' end-state architecture

Performance tracking, governance and funding will be aligned to Run, Grow and Transform the business

Work underway to support refine SSC's charging model aligning to the RUN,GROW, TRANSFORM perspective

- To make the charging model more relevant and transparent, SSC is looking to categorize its services:
 - Individual Enterprise services (Enhance ability of public servants to deliver services to Canadians)
 - Facility Based Services (Enhance the public servants' workplace to facilitate delivery of services to Canadians)
 - Infrastructure Services (Enhance the IT infrastructure used by public servants to deliver services to Canadians)
 - Specialty Services (Specific program related services)

Next Steps

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Since early 2016, the Government has made significant investments to improve its IT infrastructure services

Budget 2016

- \$383.8 million from 2016 to 2018 to support the transformation of government IT systems, data centres and telecommunications networks.
- \$77.4 million over five years to strengthen cyber security

Fall 2017

Economic Statement

- \$359 million to SSC to complete mission-critical IT projects
- \$277 million to SSC and the Communications Security Establishment to continue cyber-security initiatives.

Budget 2018

- \$2.2 billion over six years for SSC to improve the management and provision of IT services and infrastructure within the Government of Canada, and to support related cyber security measures.

Core Responsibility				
Email and Workplace Technology	Data Centres	Telecommunications	Cyber and IT Security	Customer Relationships and Service Management
Departmental Result				
<p>Customer organizations receive modern and reliable email services</p> <ul style="list-style-type: none"> Email Transformation Initiative Future of Digital Communications 	<p>Programs and services to Canadians are supported by modern and reliable data centre services</p> <ul style="list-style-type: none"> Complete EDC Borden Expansion Workload Migration Enablement and Migration Projects 	<p>Customer organizations receive modern and reliable network and telecommunications services</p> <ul style="list-style-type: none"> GCNet WAN Project Hosted Contact Centre Services Modernization Project Workplace Communications Services Project 	<p>GC data and technology assets are protected by secure IT infrastructure</p> <ul style="list-style-type: none"> Smart Phone for Classified Project Network Device Authentication Project Secure Remote Access Migration Project Enterprise Perimeter Security (Budget 2016) Enterprise Vulnerability and Compliance Management (Budget 2016) Administrative Access Controls Service (Budget 2016) Application Whitelisting (Budget 2016) <p>SSC's responses to cyber and IT security incidents are effective</p> <ul style="list-style-type: none"> Security Information and Event Management Project 	<p>Customers are satisfied with SSC's delivery of services</p> <ul style="list-style-type: none"> Department-wide Customer Service Strategy <p>Customers are provided with effective service management</p> <ul style="list-style-type: none"> Implement IT Service Management Tool <p>IT infrastructure services relied upon by customer organizations are supported by strong project management and efficient procurement</p> <ul style="list-style-type: none"> Procure-to-pay Enhancements Vendor Performance Incentive Maturing of Project Management and Delivery Processes and Tools
Internal Services				
<ul style="list-style-type: none"> Recruitment 	<ul style="list-style-type: none"> Learning and Development Plan 	<ul style="list-style-type: none"> Health and Wellness 	<ul style="list-style-type: none"> Modernization and Change Initiatives 	

Questions?