
MNP Information Security Classification Project Overview

Data Privacy

Security Day Slides

June 1, 2016



Project Purpose

- To develop a framework for classifying data that will be foundational for enhancing and streamlining data sharing and handling across the ministry and with health sector partners
- To build models/tools to be refined through short, proof of concept implementations and further engagement
- To support the goal of enabling and improving upon the current data sharing environment

Project Elements

1

Identify data assets
against services

2

Establish
organisational
responsibilities for
services

3

Develop
classification
framework for data
classes

4

Develop handling
rules for sharing
data

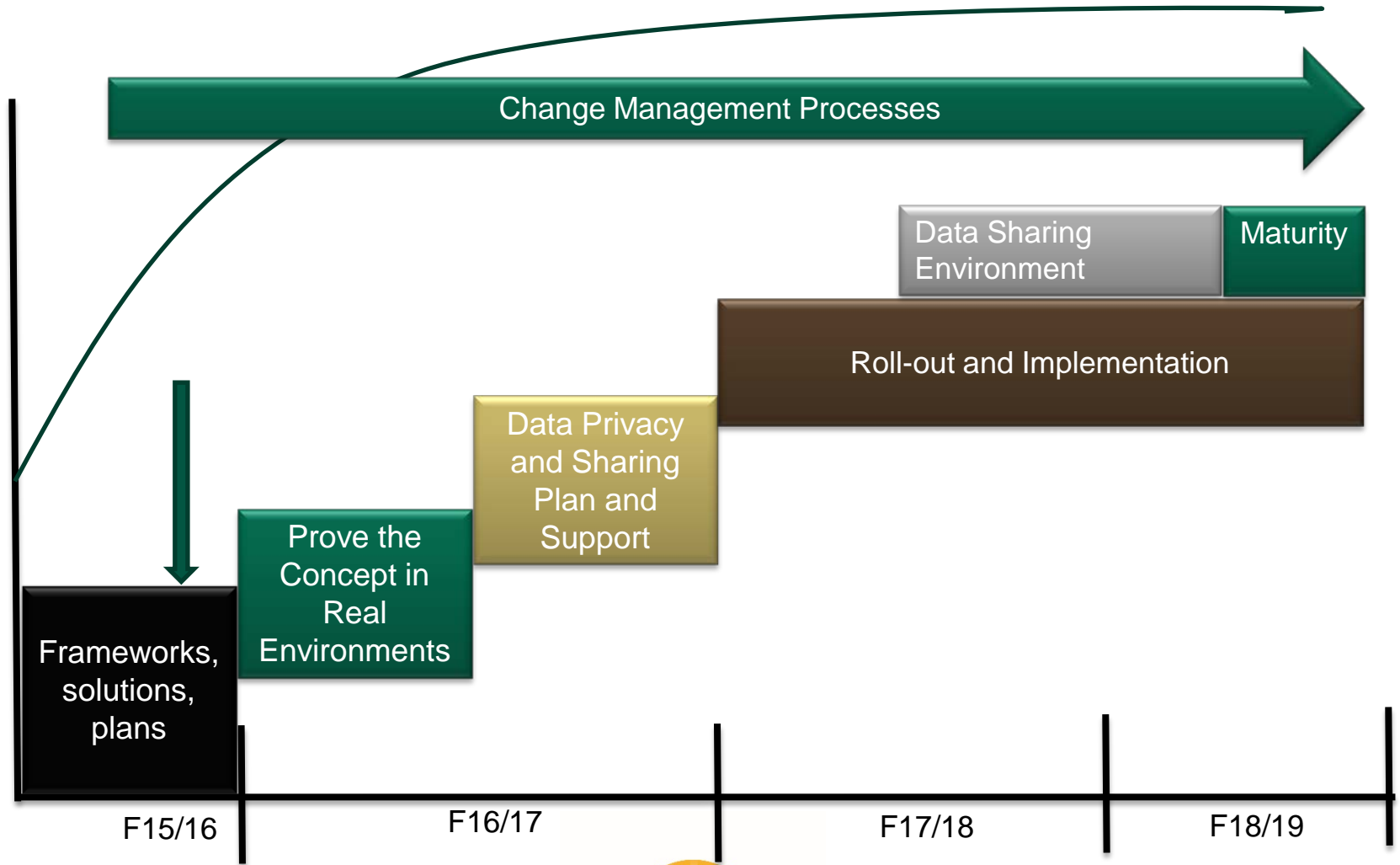
5

Develop risk
assessment tools







6

Develop
implementation
plan

BC Health Care Data Sharing



Handling Processes

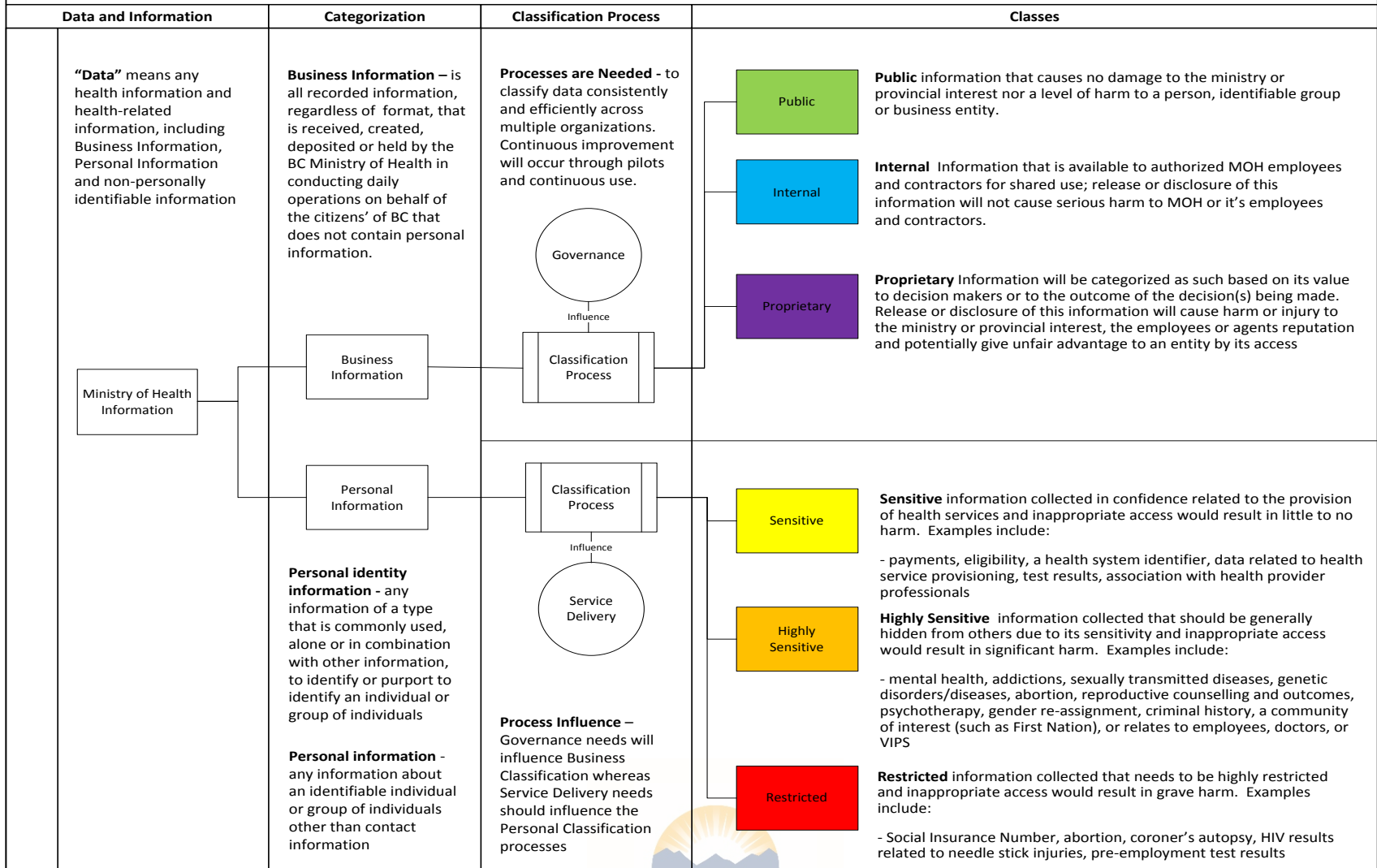
	ALL	STORAGE			TRANSMISSION		IN USE		DISPOSAL		
Procedure Level		Read Only	Encryption	Within Secure Zone	Encryption	Only Within Secure Zone	Encryption	Within Secure Zone	Normal Delete	Secure Delete	Delete Backup
PUBLIC 		✓							✓		
INTERNAL 				✓	✓				✓		
PROPRIETARY 				✓	✓			✓		✓	
SENSITIVE 				✓	✓			✓	✓		
HIGHLY SENSITIVE 			✓	✓	✓	✓	✓	✓		✓	
RESTRICTED 			✓	✓	✓	✓	✓	✓		✓	✓

Risk Assessment

		LEVEL OF HARM				
		5	4	3	2	1
NATURE OF HARM	APPROPRIATE MEASURE	Extreme serious Harm	Very serious harm	Serious harm	Minor Harm	No significant harm
FINANCIAL LOSS (loss of revenue, unforeseen costs, legal liabilities, fraud)	Total financial impact	\$10 + million	\$1-10 million	\$100 thousand - \$1 million	\$5-100 thousand	\$0-5 thousand
DEGRADED PERFORMANCE (failure to achieve targets, loss of productivity)	Key targets under-achieved by	10%+	5% to 10%	1% - 5%	Less than 1%	No impact
	Number of staff-hours wasted	10,000	1,000 to 10,000	500 to 1000	100 to 500	0 to 100
LOSS OF MANAGEMENT CONTROL (impaired oversight of government operations)	Key metrics delayed	1 month+	1 to 4 weeks	Few days	Few hours	Little delay
	Key metrics inaccurate	All data unreliable	Much incorrect data	Some incorrect data	Little incorrect data	No incorrect data
DAMAGED REPUTATION (negative publicity, regulatory disapproval, litigation)	Drop in approval ratings	10% drop	5% to 10%	1% to 5%	Less than 1%	No impact
	Extent of negative publicity	Extremely negative	Majorly negative	Moderately negative	Minor negative	No publicity
	Political action taken	Prolonged discussion in the House	Short discussions in the House	Escalated to Deputy Minister	Escalated to Assistant Deputy Minister	No political impact
	Extent of litigation	Prolonged court case	Brief court case	Settlement during trial	Settlement before trial	No impact
IMPAIRED GROWTH (delayed new government initiatives)	Aborted initiatives or deadlines missed	Major initiative failed	Major initiative delayed by months	Major initiative delayed by weeks	Major initiated delayed by days	No impact
IMPACT ON SAFETY	Impact on health and safety	Loss of life	Very serious injury	Serious injury	Minor Injury	No impact

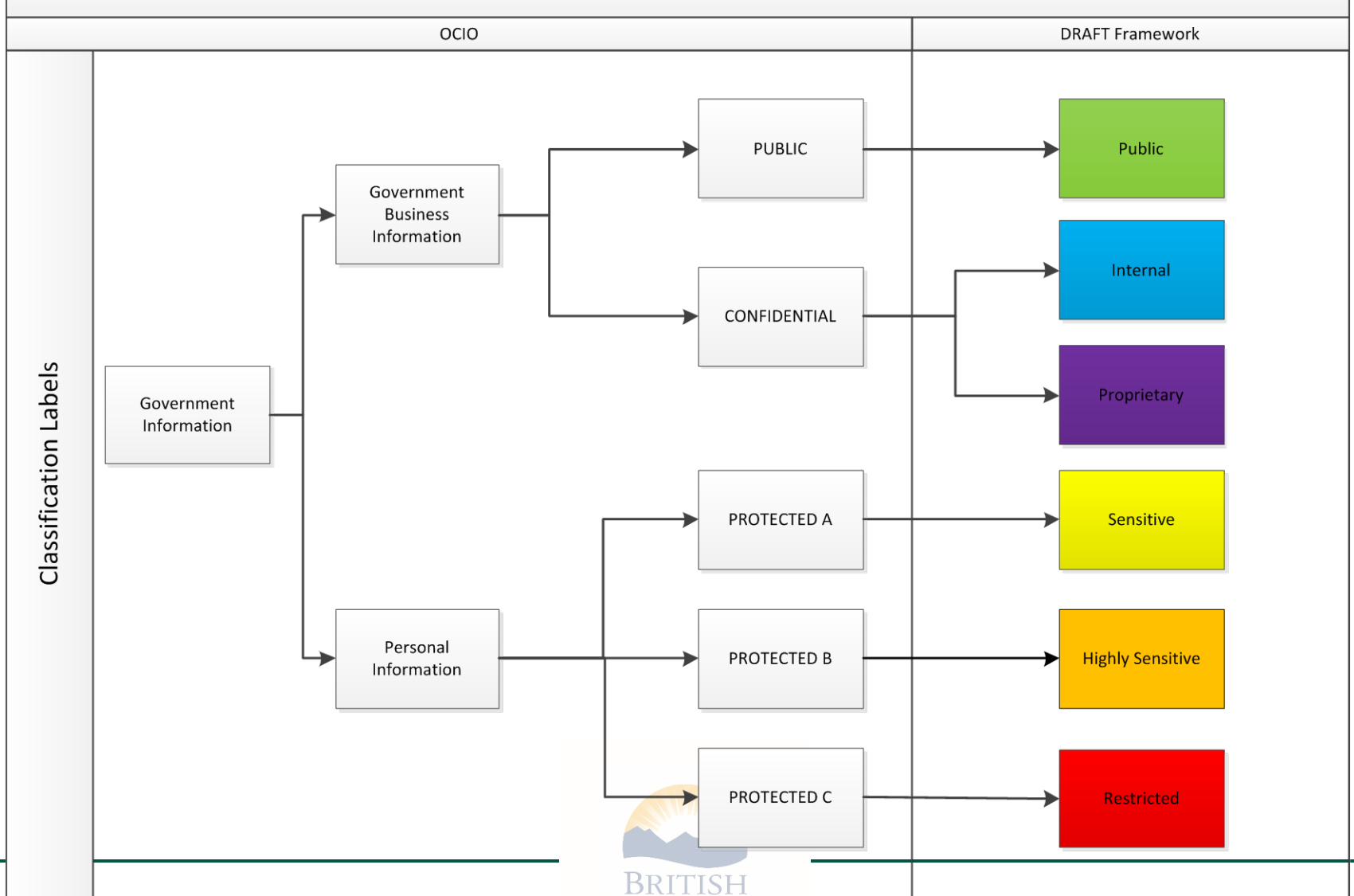
Where are we now?

Ministry of Health Classification



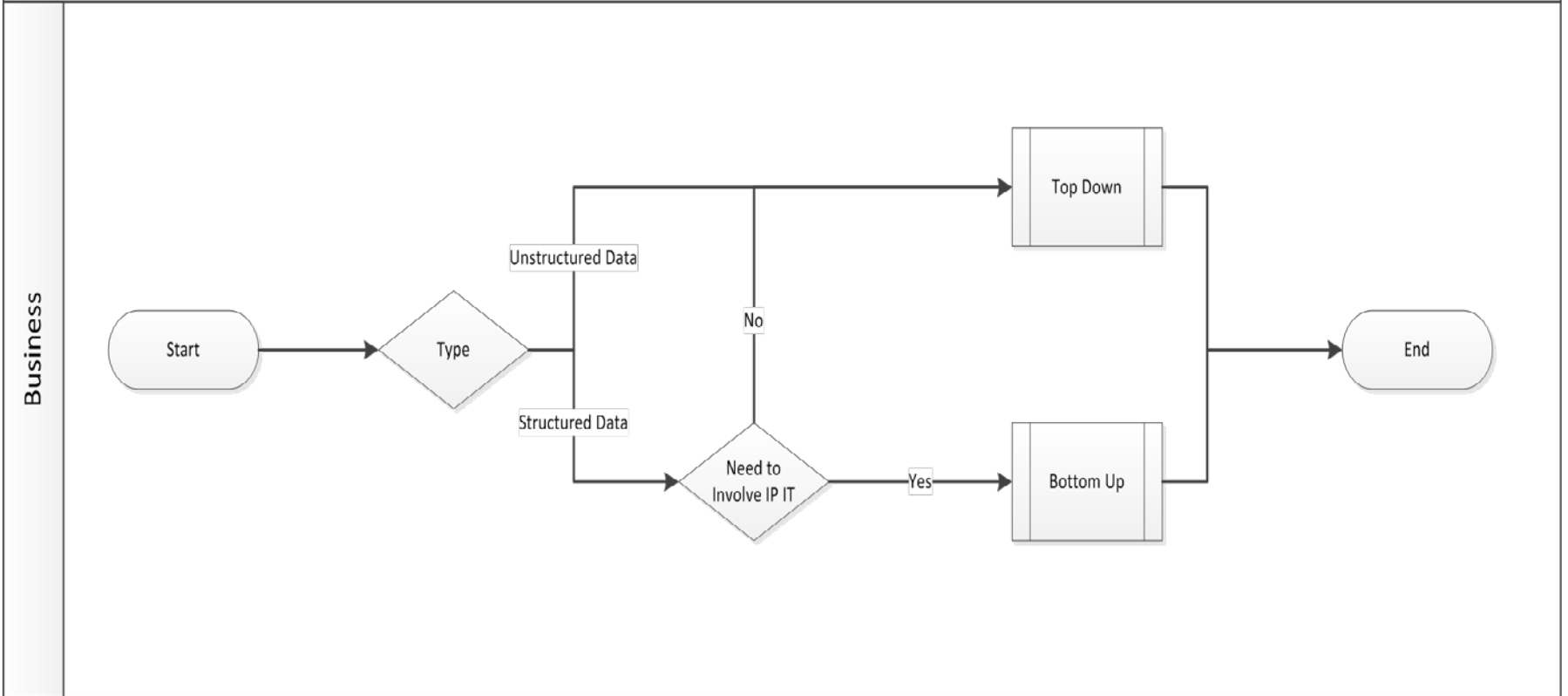
Classification Mapping

Information Security Mapping



Classification Process

Classification Process

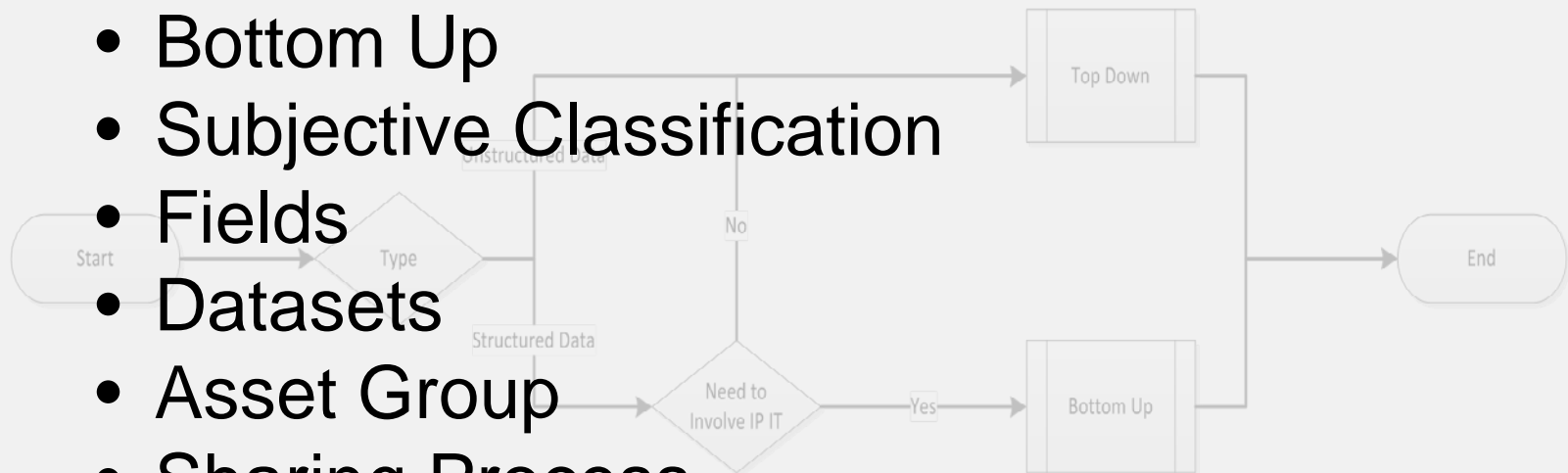


Classification Process

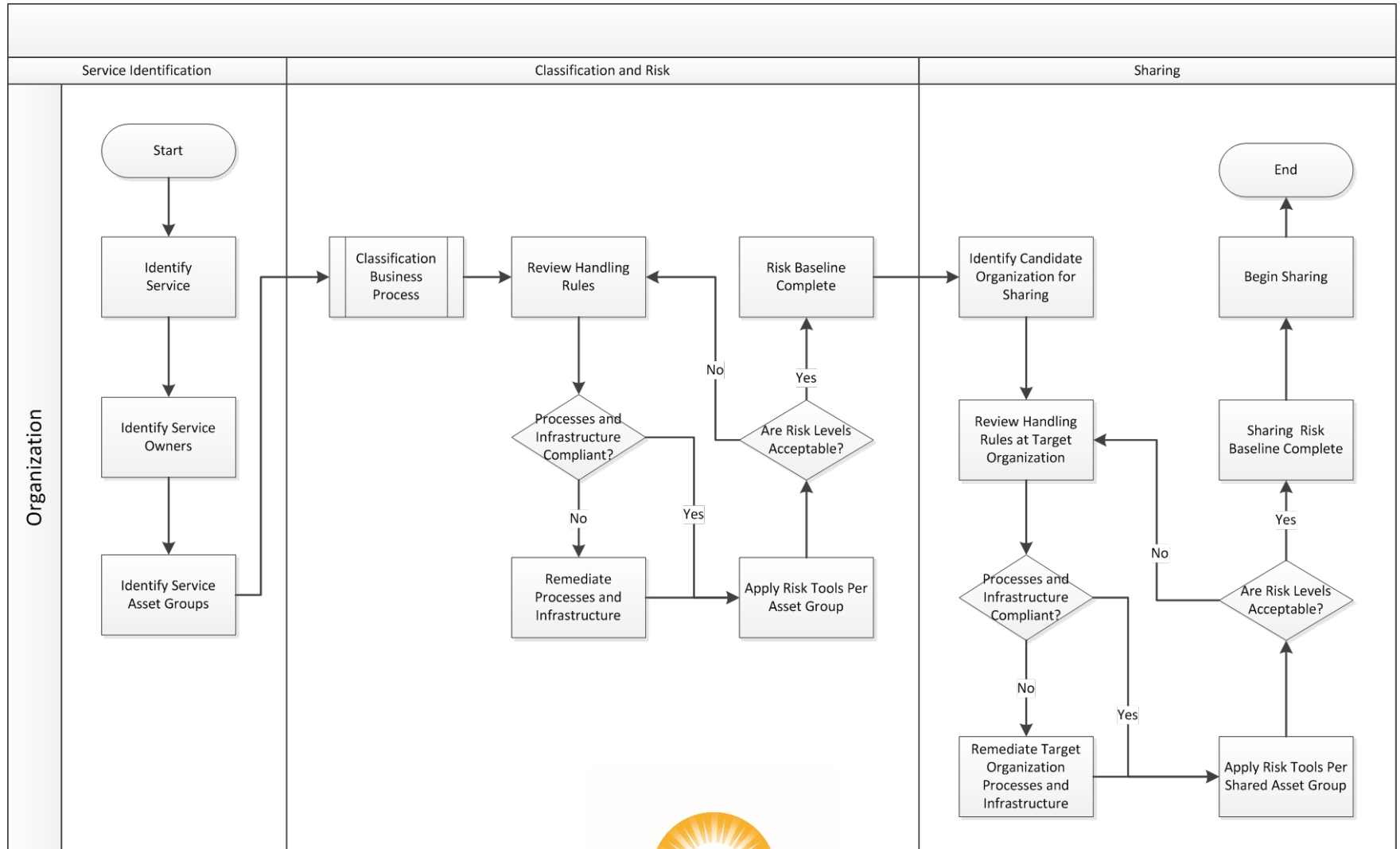
Classification Process

Business

- Top Down
- Bottom Up
- Subjective Classification
- Fields
- Datasets
- Asset Group
- Sharing Process

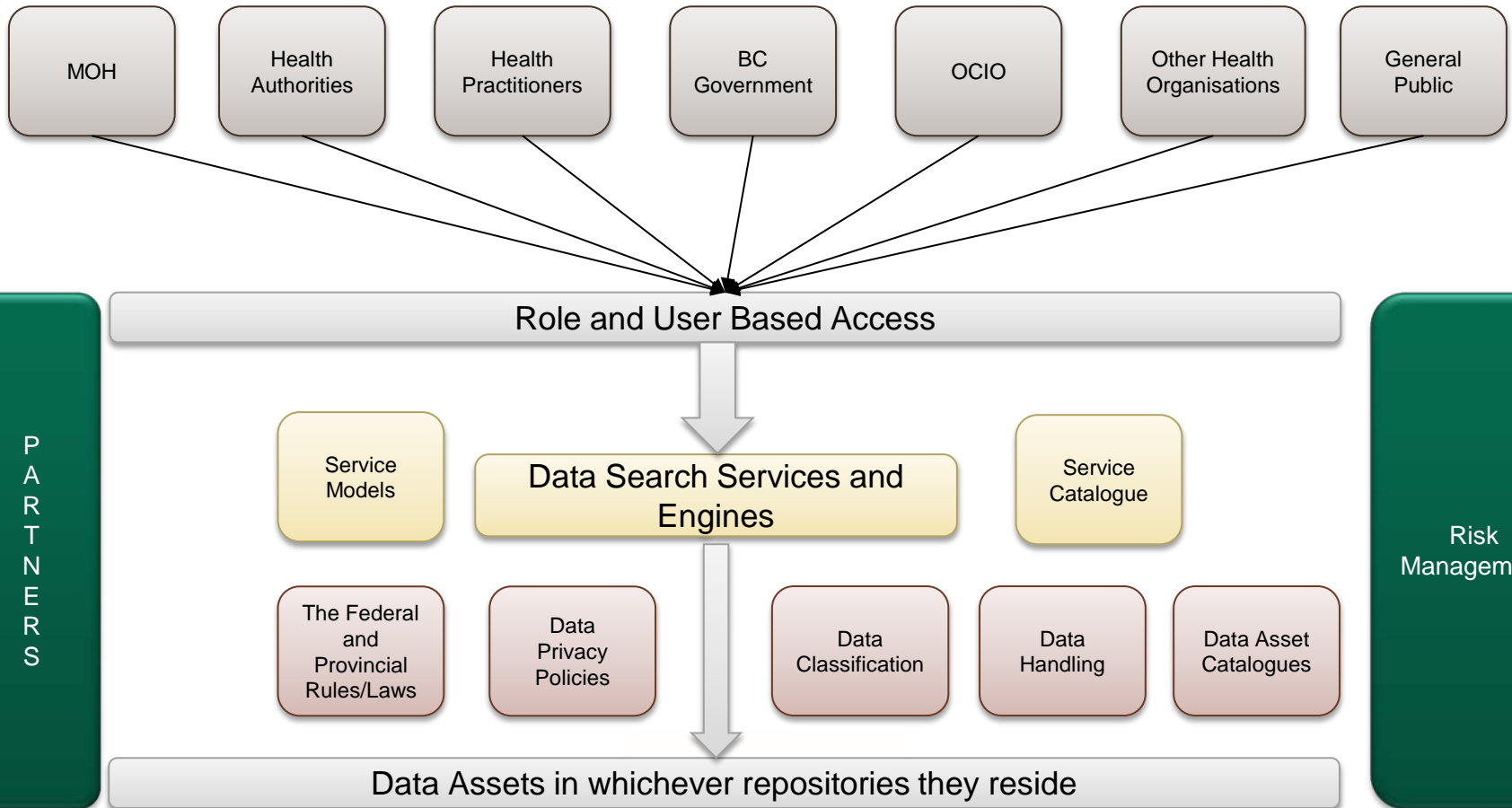


Draft Classification / Sharing Process



Data Sharing Environment

Small Proof of Concept Projects with Value



Summary

- Timing and organisational readiness are favourable
- Initial approach is supported by both internal and external stakeholders
- Proof of concept engagements are next - once refined and proven, model should be extensible
- The nature of the transition/adoption will require a significant change management effort over a 3-4 year period