

# ***Tackling the Year 2000 Challenge: A Strategic Approach Tangible Results Ongoing Work***

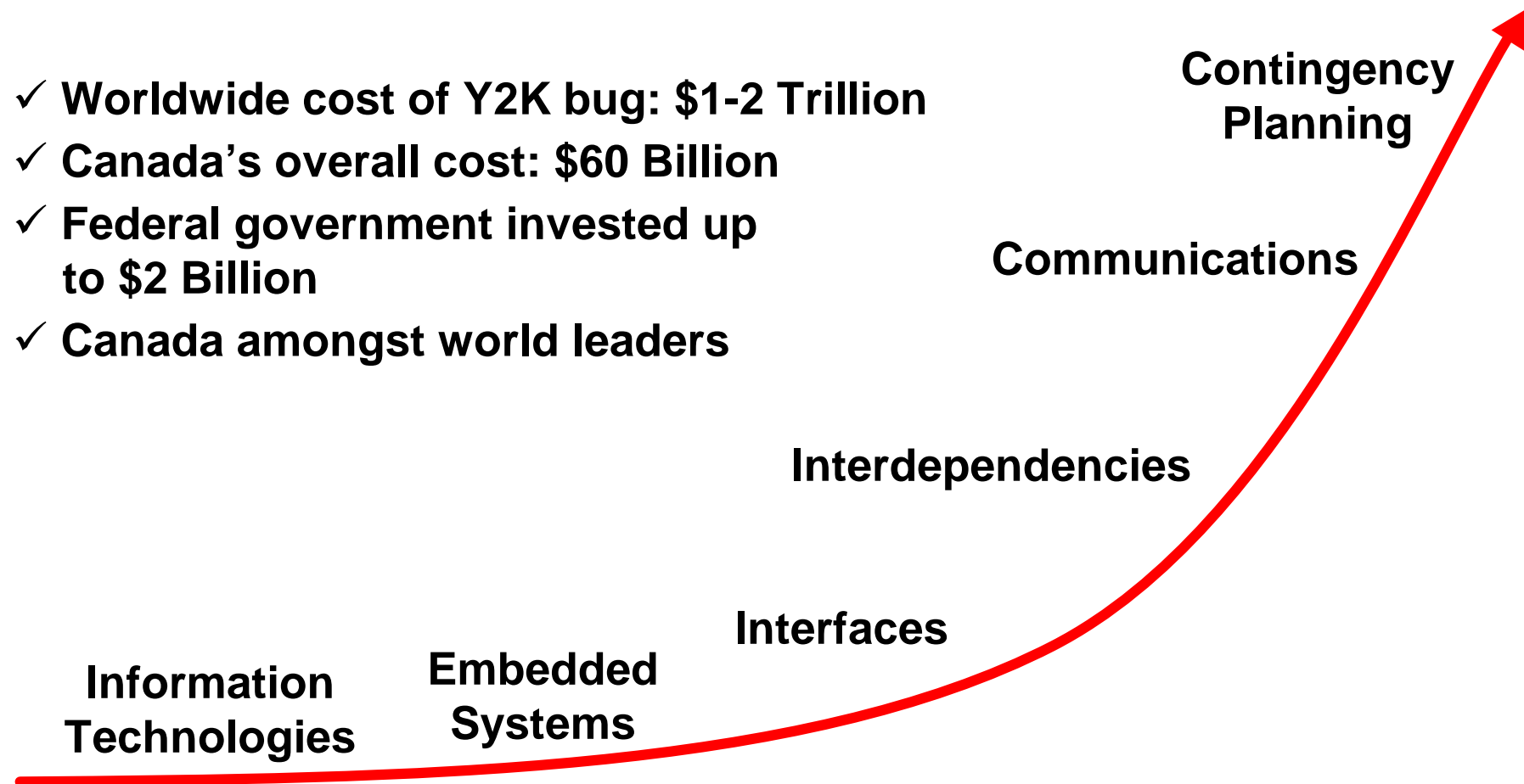
***Presentation to the International Workshop on the  
Impact of Year 2000 on the Nuclear Industry  
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*by Guy Mc Kenzie  
Assistant Secretary  
Year 2000 Project Office  
Treasury Board Secretariat*



# Evolution of the challenge

- ✓ Worldwide cost of Y2K bug: \$1-2 Trillion
- ✓ Canada's overall cost: \$60 Billion
- ✓ Federal government invested up to \$2 Billion
- ✓ Canada amongst world leaders





# An organized approach to the Year 2000

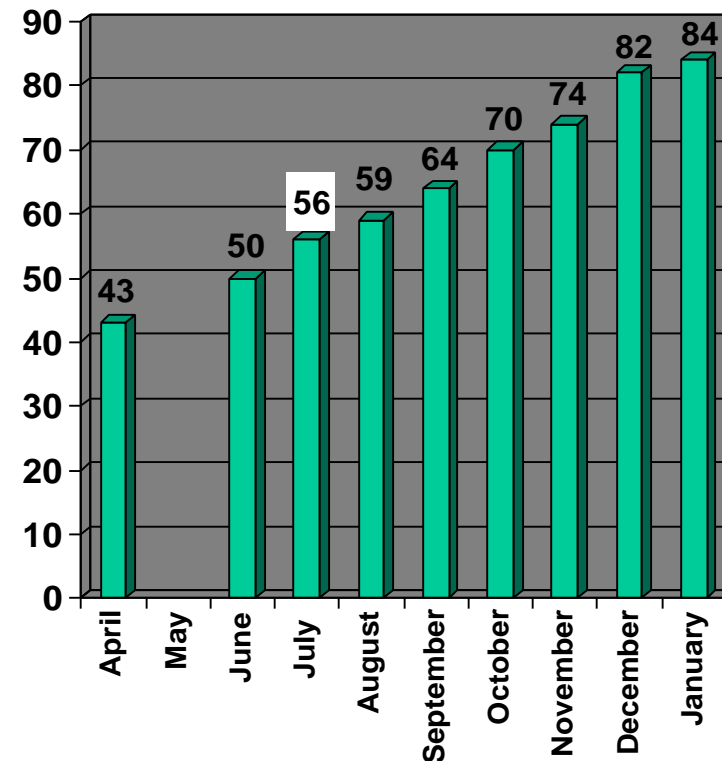
- **Focus on systems critical to the health, safety, security and economic well-being of Canadians - Government-Wide Mission Critical (GWMC) functions**
- **Ministerial, departmental and financial commitment**
- **A stepped-up action plan**
- **Expanded mandate for 4 lead departments: TB, IC, DFAIT, DND**
- **Our goal: minimize disruption of services essential to Canadians**



# How are we doing?

- Progressing as planned
- Work on schedule
- But can't afford to relax!

GWMCS Completion Index (%)





# How have we been tackling the challenge?

**Information  
Technologies**

**Interfaces**

**Communications**



**Embedded  
Systems**

**Interdependencies**

**Contingency  
Planning**



# Information technologies (IT)

## Early focus of Y2K efforts

### Where do we stand?

⇒ Well on our way to preparedness

Old Age Security 🇺🇸

Canada Pension Plan 🇺🇸

Employment Insurance 🇺🇸

Customs Border systems 🇺🇸



# Embedded Systems

**Found in laboratory equipment, medical devices, buildings, electrical power and other utilities, etc.**

## **What have we done?**

⇒ Strategic interventions

- ✓ TBS workshop: provincial/municipal/private sector participants
- ✓ 6 centres of excellence for embedded systems in buildings (PWGSC)
- ✓ Centre of excellence for labs (CFIA)

## **Where do we stand?**

⇒ 86% of federally owned and managed buildings' embedded systems ready



# Interfaces

**GWMC functions “talk” to  
other federal departments, other levels  
of government, private sector and  
foreign partners**

## **What have we done?**

- ⇒ 3 F/P/T workshops
- ⇒ Regional visits
- ⇒ Survey of GWMC interfaces

## **Our next steps**

- ⇒ Stepped-up action plan: repository, prioritization, etc. (HRDC)
- ⇒ Continue working with stakeholders





# Interdependencies

**Chain only as strong  
as its weakest link**

## **What have we done?**

- ⇒ Co-operative work with: CEA (with updates on nuclear power generating facilities), CBA, Oil and Gas industries, Federation of Canadian Municipalities
- ⇒ International co-operation and information sharing (US and Mexico)

## **Next steps**

- ⇒ Continue collegial work with provinces/territories and key infrastructure industries
- ⇒ Monitor international readiness and plan accordingly (DFAIT)
- ⇒ Continue to foster private sector preparedness (IC)



# Communications

**Inform the public about the complexity and urgency of the issue without causing panic**

## **What have we done?**

- ⇒ Y2K government Websites (TBS, IC)
- ⇒ Participated in television programs
- ⇒ Interviews
- ⇒ Information kits to MPs and Senators
- ⇒ Monthly public reporting on departmental readiness of GWMC functions
- ⇒ Y2K Preparedness Week (IC)



## Communications (cont'd)

### **Our next steps**

- ⇒ A “living” plan; continually evaluated through ongoing media analysis, public opinion research and environmental monitoring
- ⇒ Proactive, phased and co-ordinated approach
  - ✓ Detailed progress reporting, F/P/T and international co-ordination
  - ✓ Contingency planning
  - ✓ Preparedness



# Contingency Planning

**Contingency planning  
is prudent management**

## **What have we done?**

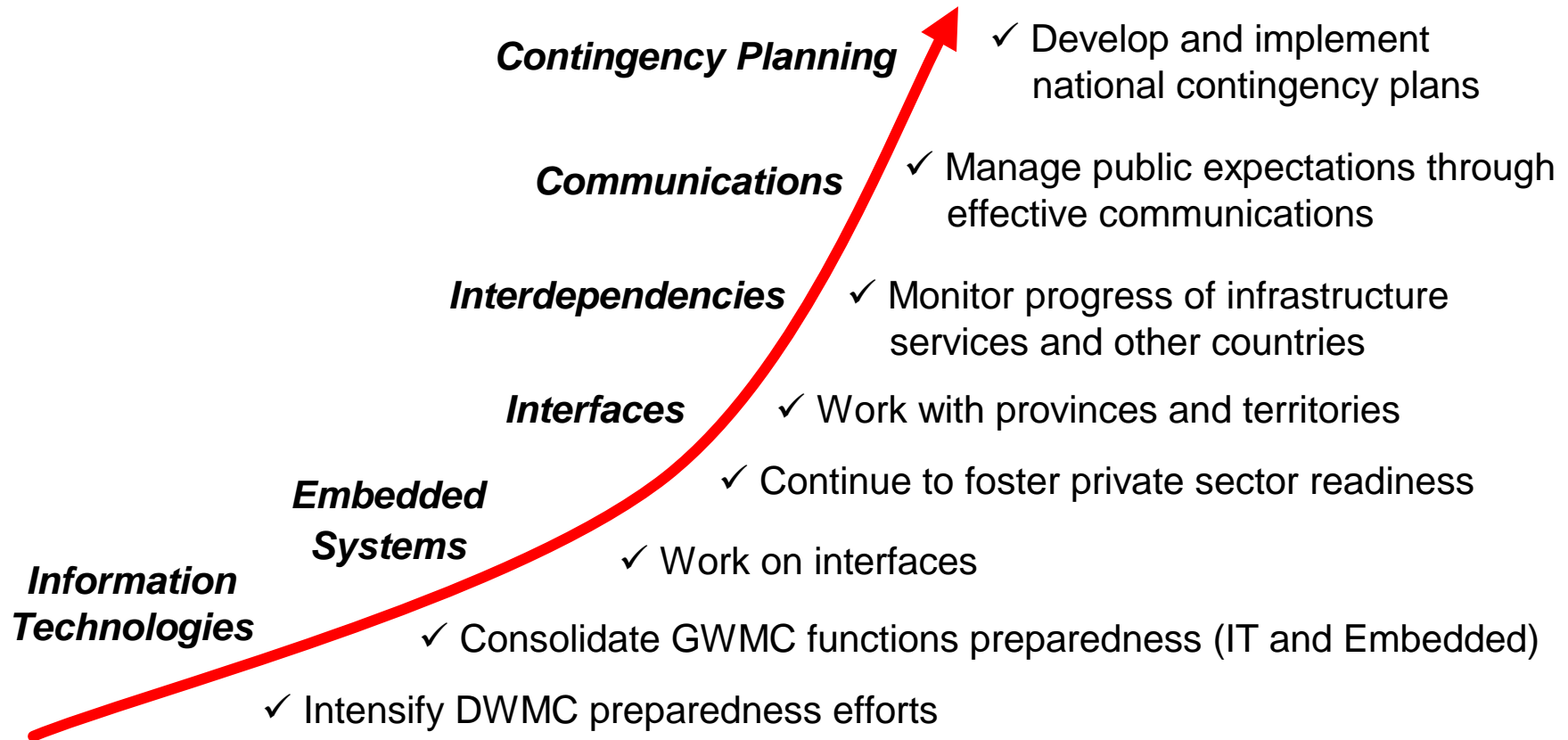
- ⇒ Risk assessments completed for all GWMC departments/agencies
- ⇒ Most departments already prepared business contingency plans
- ⇒ TBS: strategic interventions, workshops, feedback, etc.

## **Next steps**

- ⇒ Refine all business contingency plans
- ⇒ Develop national contingency plans with particular emphasis on Canada's infrastructure (DND/NCPG)



# Key 1999 challenges





## Final words

***The bug is an elusive enemy.  
The difficulty is in differentiating  
between those who are dedicated  
to eliminating it and those who are  
exploiting the fear it inspires.***