

**Open ICT Ecosystems:  
Open Standards for  
Manufacturing Engineering and  
Health Care Informatics**

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**Open Standards Process Panel**

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# What problem is the community trying to solve?

**Use Cases/User Scenarios** identify, define & communicate the problem to different stakeholders

Best practices & cross-stakeholder frameworks help **organize & focus** an approach to the problem

**Interoperability & standards** are part of solving the problem, but need to be focused within the appropriate Use Case & Framework

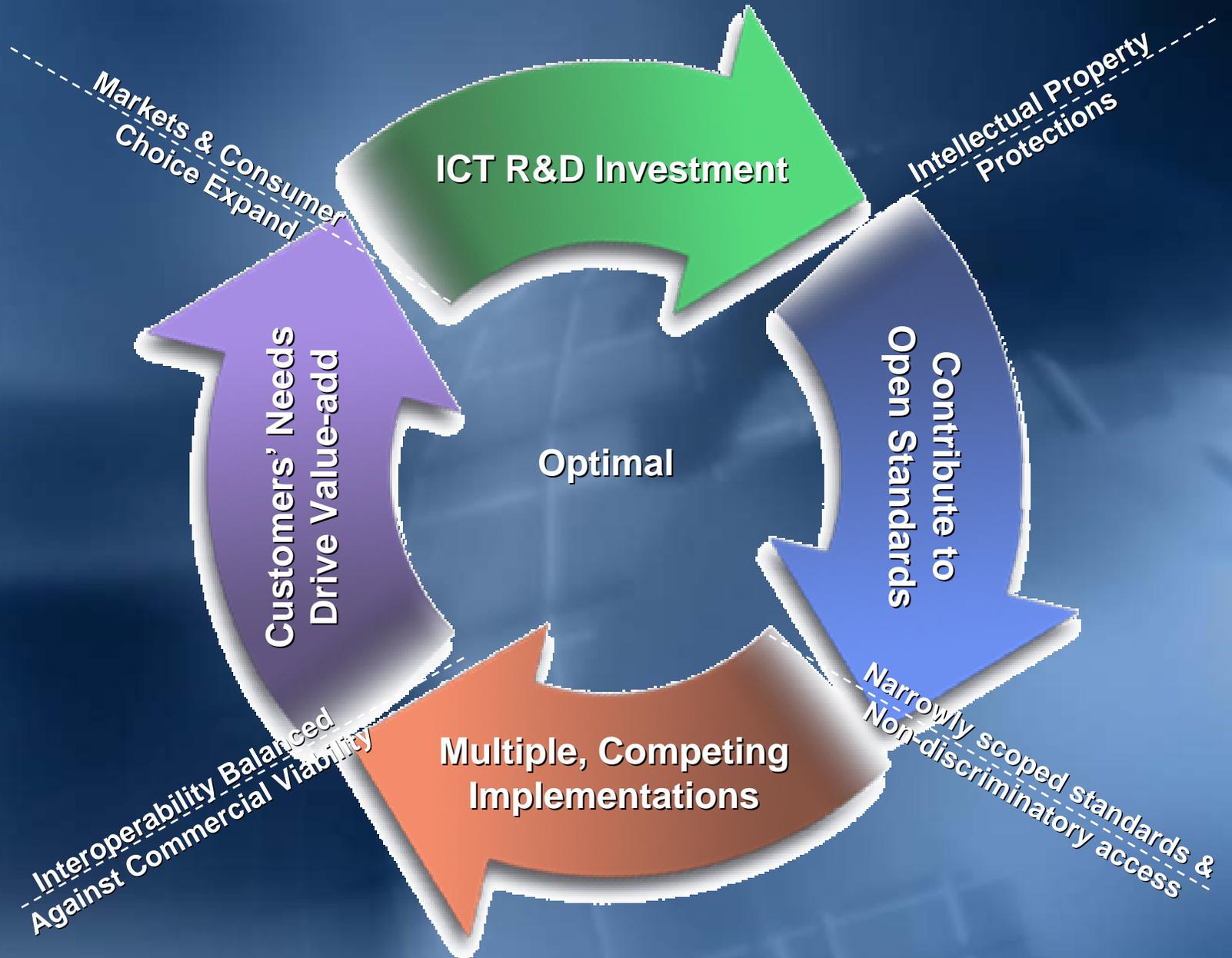
# Interoperability Choice for ICT

Implementation of open standards is only **one way** to achieve interoperability for the ICT sector within a Use Case & Framework

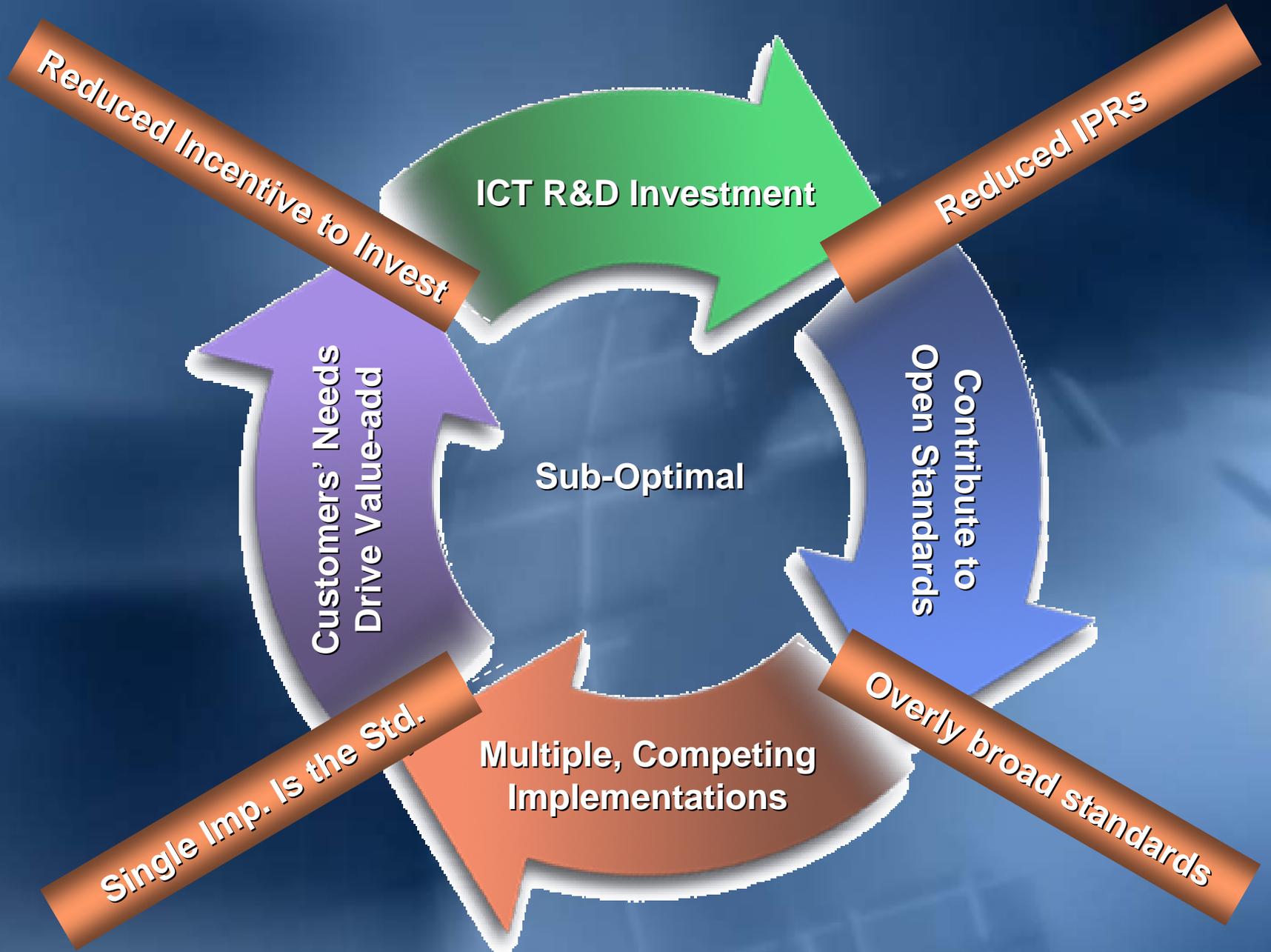
**Mandating one way** to achieve interoperability can **chill** competition, collaboration & innovation for the ICT sector to address the broader problem

Governments should remain **technology neutral** to promote **competition**, but participate as **stakeholders** in the process

# Healthy Standardization Virtuous Cycle



# Disrupted Cycle



# Promoting Competition in the ICT Eco-System to Realize Innovative User Scenarios

Competing ICT **business models** are creating healthy friction in the system

- IT: Software models v. hardware v. consulting services
  - OSS v. commercial software is over-emphasized
  - Competition is among broader IT sectors & solutions models
  - None of these models are free or standalone
  - All are required to provide innovative & collaborative solutions

*Healthy **competition** among ICT sectors **benefits** consumers & governments alike*

## Recommendations:

- 1. Government, academics, industry & users should work together to identify current & future Use Cases/User Scenarios**
- 2. Develop corresponding best practices & frameworks to organize & identify areas for interoperability**
- 3. Determine appropriate areas for standardization where market interoperability is not already occurring**
- 4. Promote voluntary, consensus based standards development within a broader framework of competition, innovation & choice**
- 5. ANSI's Panel Process & Emerging Issue Teams are good examples of this approach**
- 6. There should be no random acts of standards**

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