Interoperability

A foundation for e-health services

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Interoperability

It is what customers want....

Interoperability as foundation for e-health

- De facto heterogeneous world
- Intelligent "interconnected" devices
- Integrated repositories – integrated processes
- "Cloud" and "online" services as part of the ecosystem

Interoperability has Multiple Aspects

People

"Connecting people, data, and diverse systems"

Technology

Semantic

Organizational

Law and Policy

Data

Applications

Infrastructure

A World of Choice
Interoperability lets you assemble the right mix of technologies

Solution that matches your specific business requirements

Interoperability = choice + flexibility

- Products from different vendors
- Licensed and open source software
- Legacy and new applications
- Multiple platforms
- Multiple citizen access channels
- In-house, hosted or in the cloud

MS Interop Commitment

Microsoft Interoperability Principles

Ensuring Open Connections

Data Portability

Enhanced Support for Standards

Open Engagement

Applies to these products

Windows Vista™
Including the .NET Framework

Windows Server™ 2008

Microsoft® Office 2007

Microsoft® Office SharePoint® Server 2007

Microsoft® SQL Server™

Microsoft® Exchange Server 2007

Interop Principles are key for e-health strategy

Microsoft's Approach to Interoperability

Working openly with others to foster choice and innovation

Products

Deliver interoperability in Microsoft products and technologies

Collaboration

Work jointly with partners, competitors, governments and the open source community

Standards

Promote interoperability through new and existing standards

Developer Resources

Make it easier to develop products that interoperate with Microsoft solutions

Customer Input and Feedback

MS Involvement in Health and Related Standards Development and Policy Organizations

caBIG™ Cancer Biomedical Informatics Grid™

eHEALTH INITIATIVE

HITSP enabling healthcare interoperability

SAFE™ SAFE-BioPharma Association

HL7

AHIP

SAFE-BioPharma™

OMG OBJECT MANAGEMENT GROUP

simplifying healthcare administration
CAQH

AHIC
Consumer
Empowerment
Workgroup

HIMSS
Diamond Member

OASIS

nehta

CDISC

eRx National ePrescribing Patient Safety Initiative

IHE

ASTM INTERNATIONAL Standards Worldwide

CEN

INSTITUTE OF MEDICINE OF THE NATIONAL ACADEMIES
Roundtable

Canada Health Infoway

Inforoute Santé du Canada
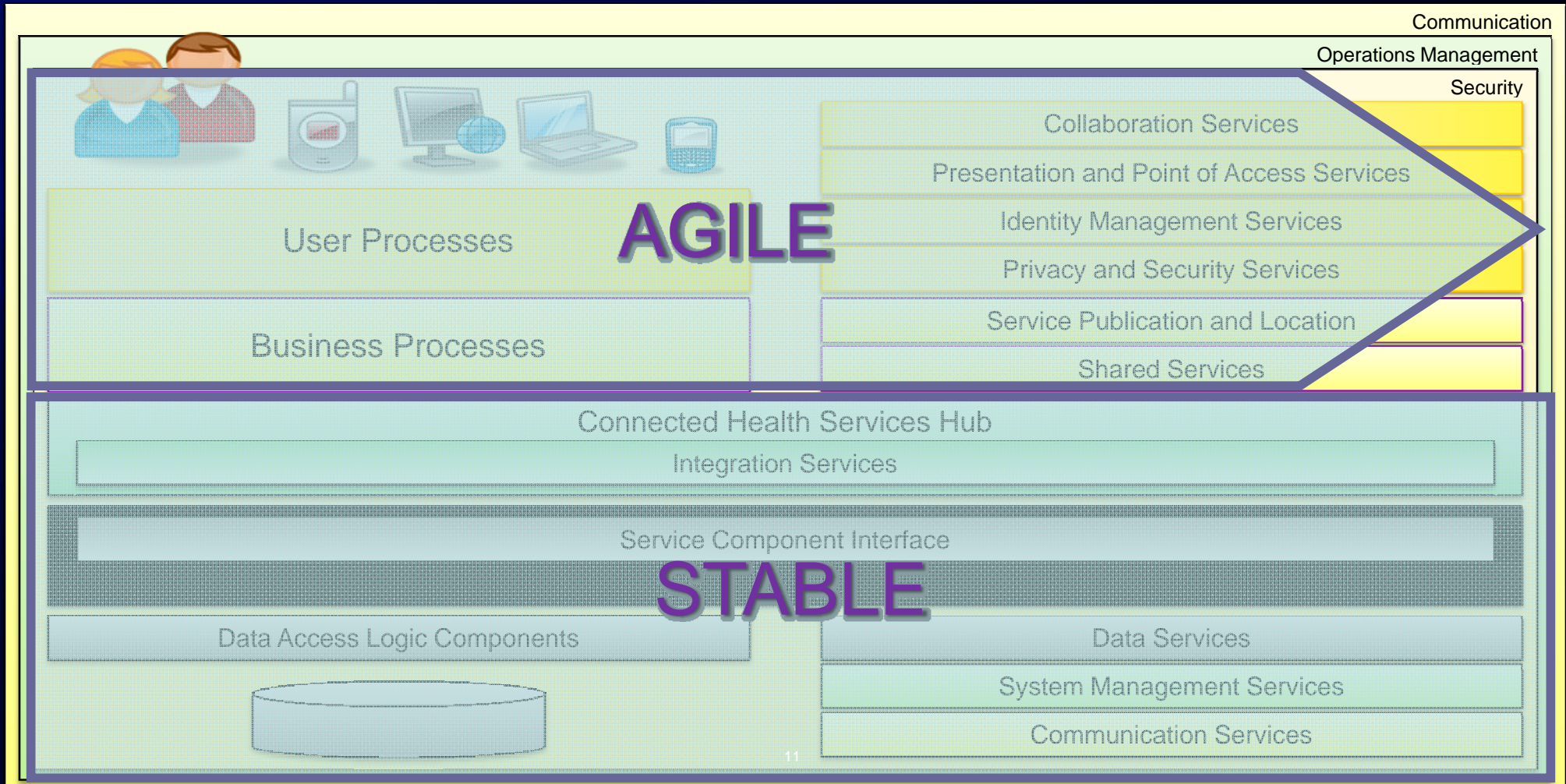
NHS
National Institute for Health and Clinical Excellence

nehta

Interop@work

Connected Health Framework Architecture

Communication

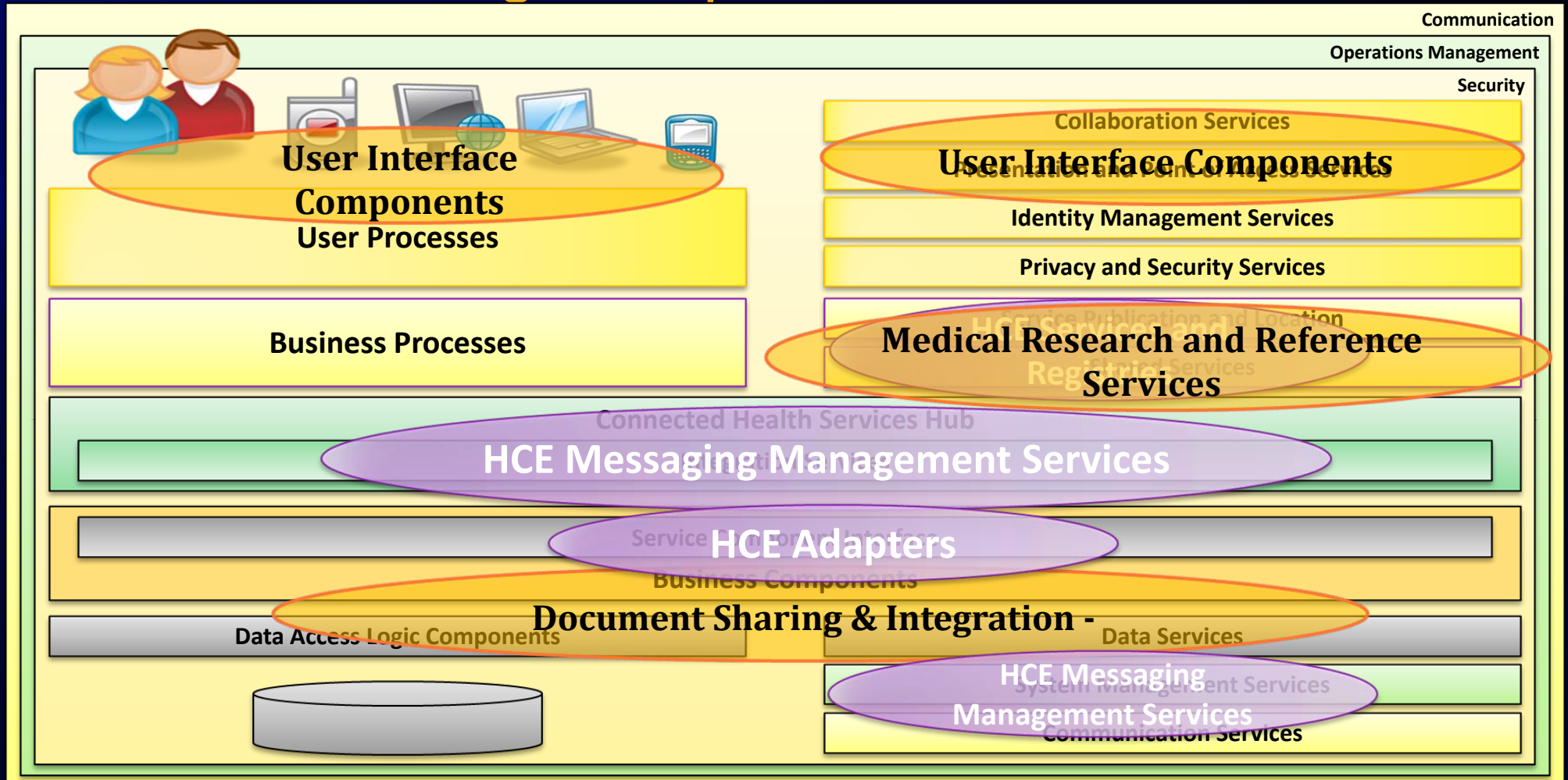Operations Management

Security

Collaboration Services

Presentation and Point of Access Services

Identity Management Services

Privacy and Security Services

Service Publication and Location

Shared Services

User Processes

Business Processes

AGILE

Connected Health Services Hub

Integration Services

Service Component Interface

STABLE

Data Access Logic Components

Data Services

System Management Services

Communication Services

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Some real e-health assets

- Product offerings
  - Amalga (HL7 v 2.x)
  - Healthvault (CCR and CCD import/export)

- Solution accelerators
  - Health Connection Engine (HCE) - standard webservices suite
  - Cross Enterprise Document Sharing (IHE XDS.b)
  - Microsoft Health Common User Interface http://www.mscui.net

Connected Health Framework
Architecture & Design Blueprint

Conclusions

Interoperability is a foundation for e-health

- Interoperability is a design criterium of IT systems

- MS is committed to interop (products, standards, communities)

- MS offers the best platform,

  solution accelerators

  and solutions for E-health

More Information

Sites

- Microsoft in Health: http://www.microsoft.com/health
- Architecture & Technology for the Health Industry:
  http://www.microsoft.com/HealthIT
- Microsoft and interop http://www.microsoft.com/interop

Blogs

- EMEA Health Blog: http://blogs.msdn.com/ms_emea_health_blog
- WW Health IT Blog:
  http://blogs.msdn.com/wwhealthit
- Dr Bill Crounse HealthBlog
  http://blogs.msdn.com/healthblog
- Peter Neupert on Health Blog http://blogs.technet.com/neupertonhealth

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