

Sentillion[®]

HL7 CCOW: Achieving the Vision

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Agenda

- What is CCOW?
- Industry Uptake
- Sentillion's Approach

What is CCOW?

- CCOW is an HL7 standard for *clinical context management*
- Clinical context management is the automatic synchronization of application user interfaces in response to key user gestures, including:
 - Signing on
 - Selecting a patient of interest
- Clinical context management was invented by HP Medical in the mid-1990's
- Rob Seliger, Sentillion's CEO & Co-founder also co-founded the CCOW consortia in 1996
- CCOW joined HL7 in 1998
- Sentillion was spun out of HP Medical in 1998 to bring CCOW technology to the healthcare industry
- Sentillion has evolved a great deal since then ... more on that later

What is CCOW?

[Enter CCOW presentation \(courtesy HL7\)](#)

HL7 CCOW Technical Committee

WHAT: Couple, Coordinate, Synchronize Applications at Point-of-Use.

HOW: “Easy” Standard Using Component-Based Technology.

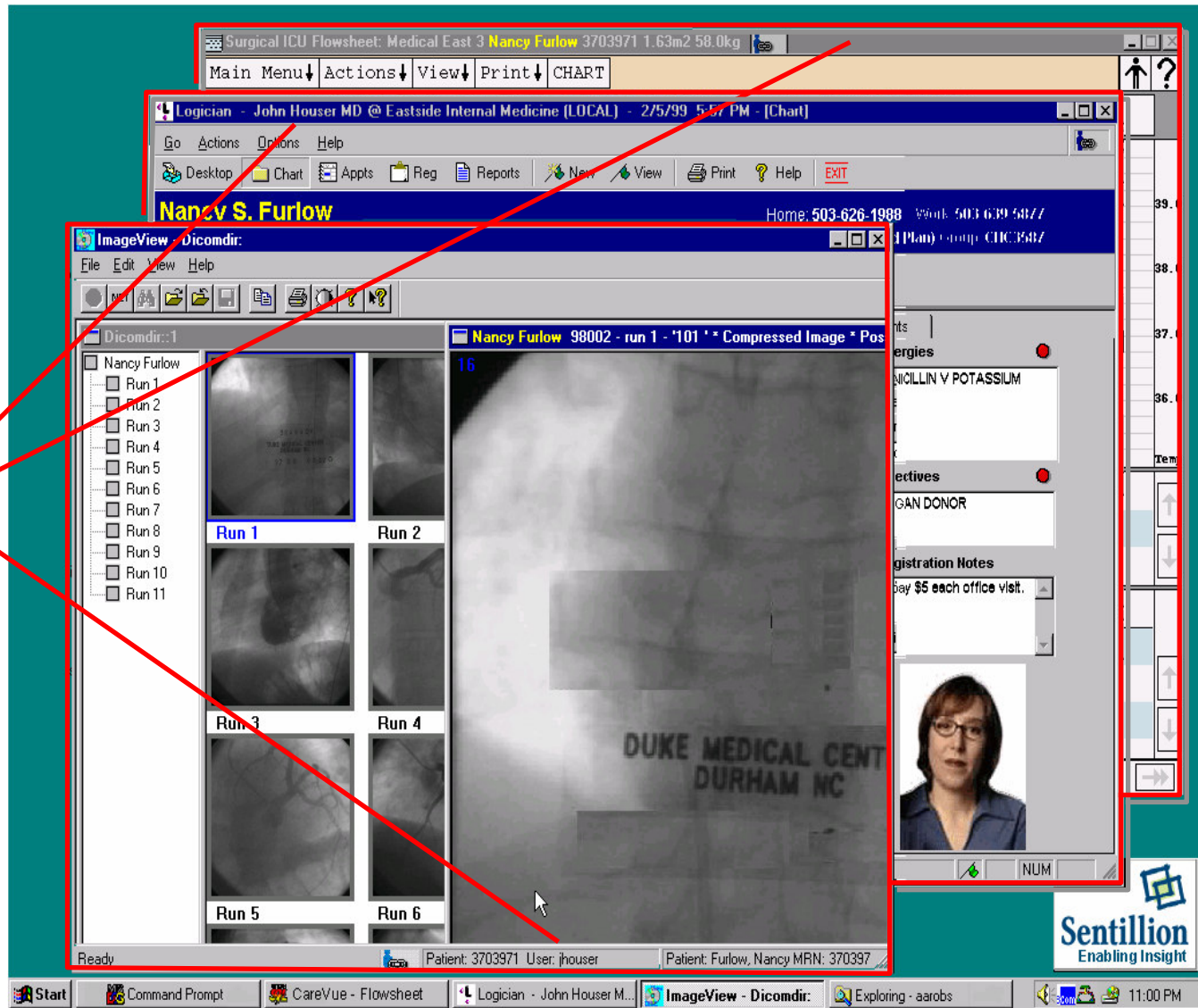
WHY: Providers: Flexibility to Choose Applications They Want.

Vendors: Faster to Market with Best-of-Class Solutions.

Everyone: “Out-of-the-Box” Integration.

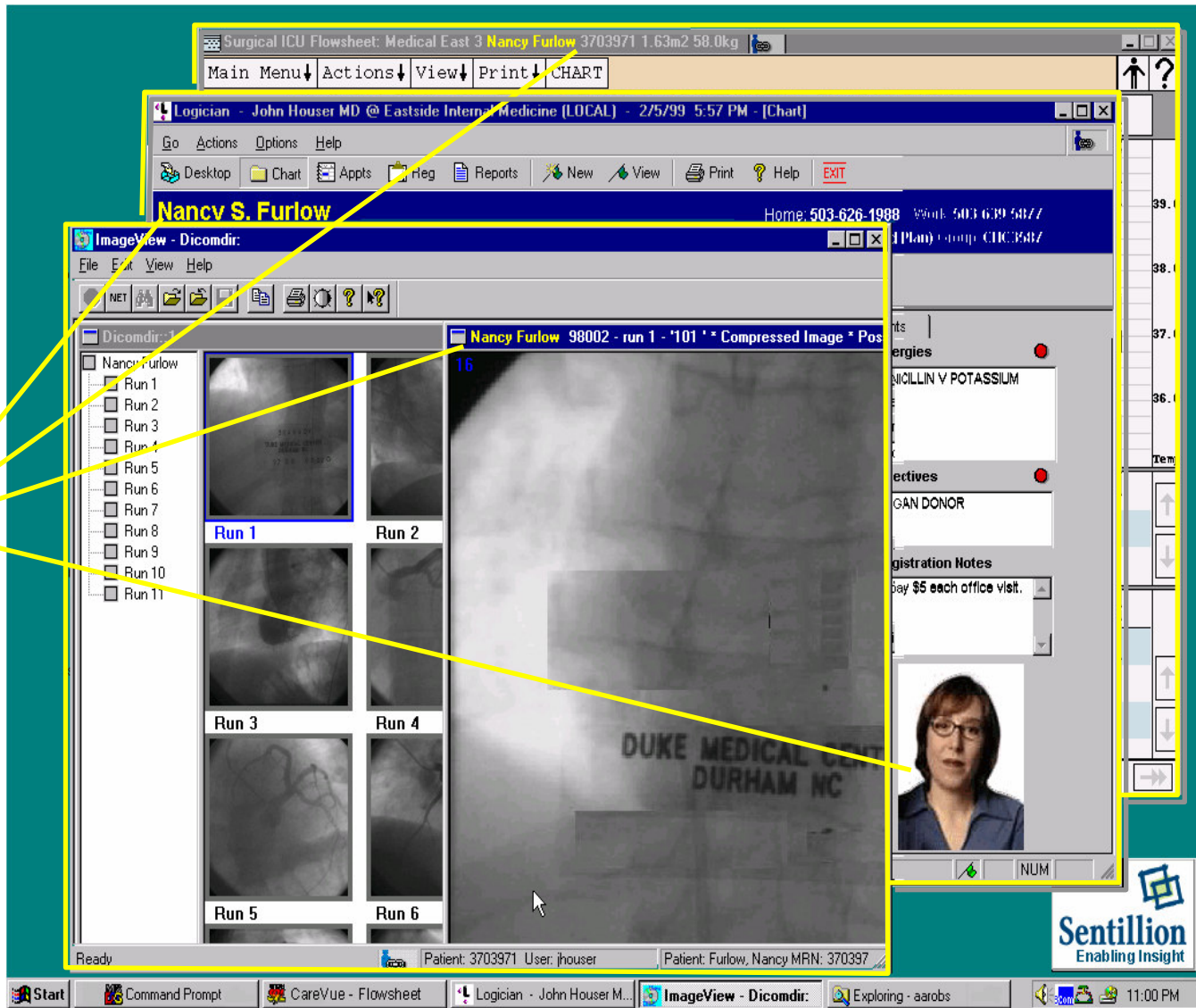
Example: User Link

User is
Dr. John Houser

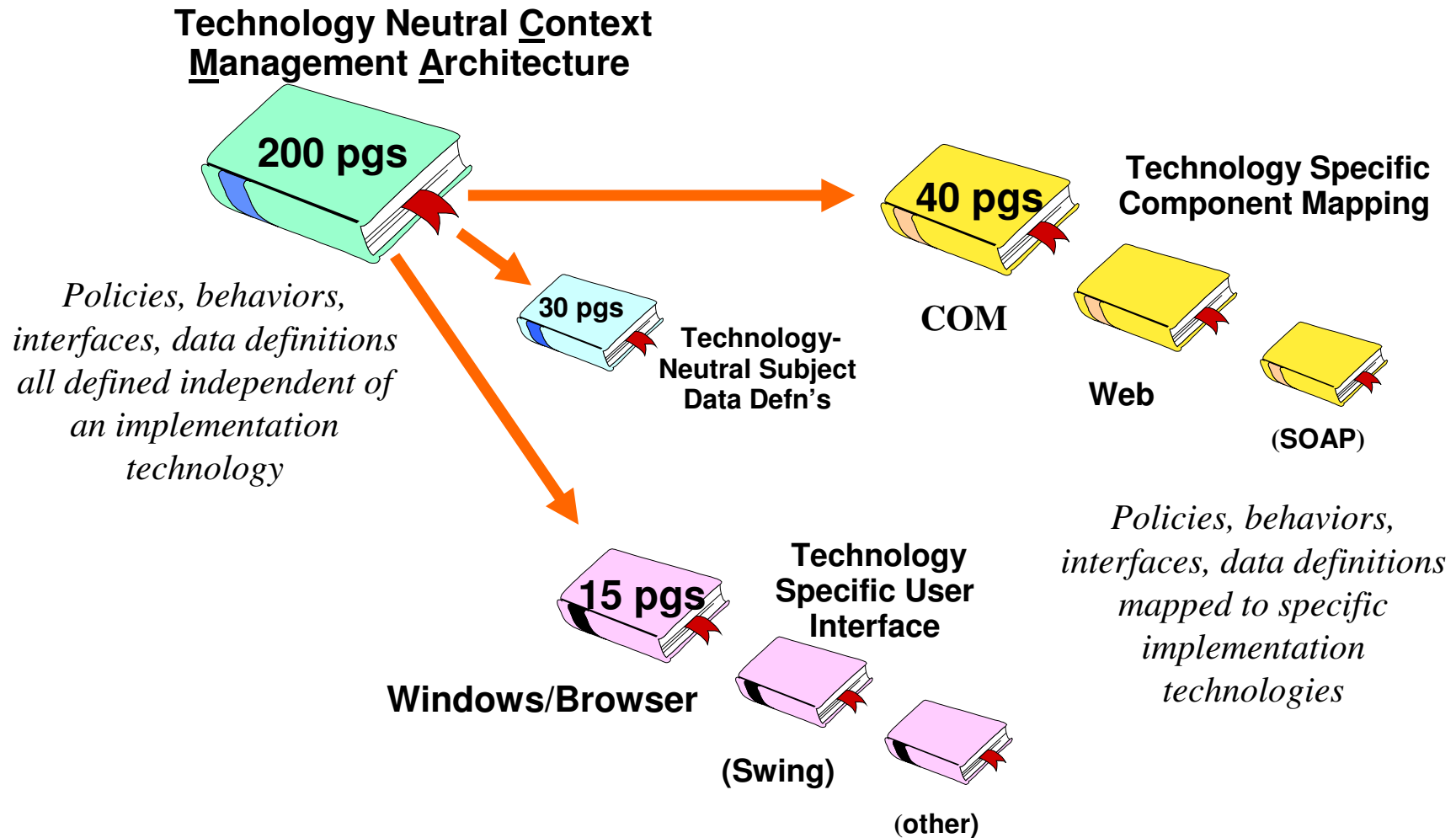


Example: Patient Link

Patient is Nancy Furlow

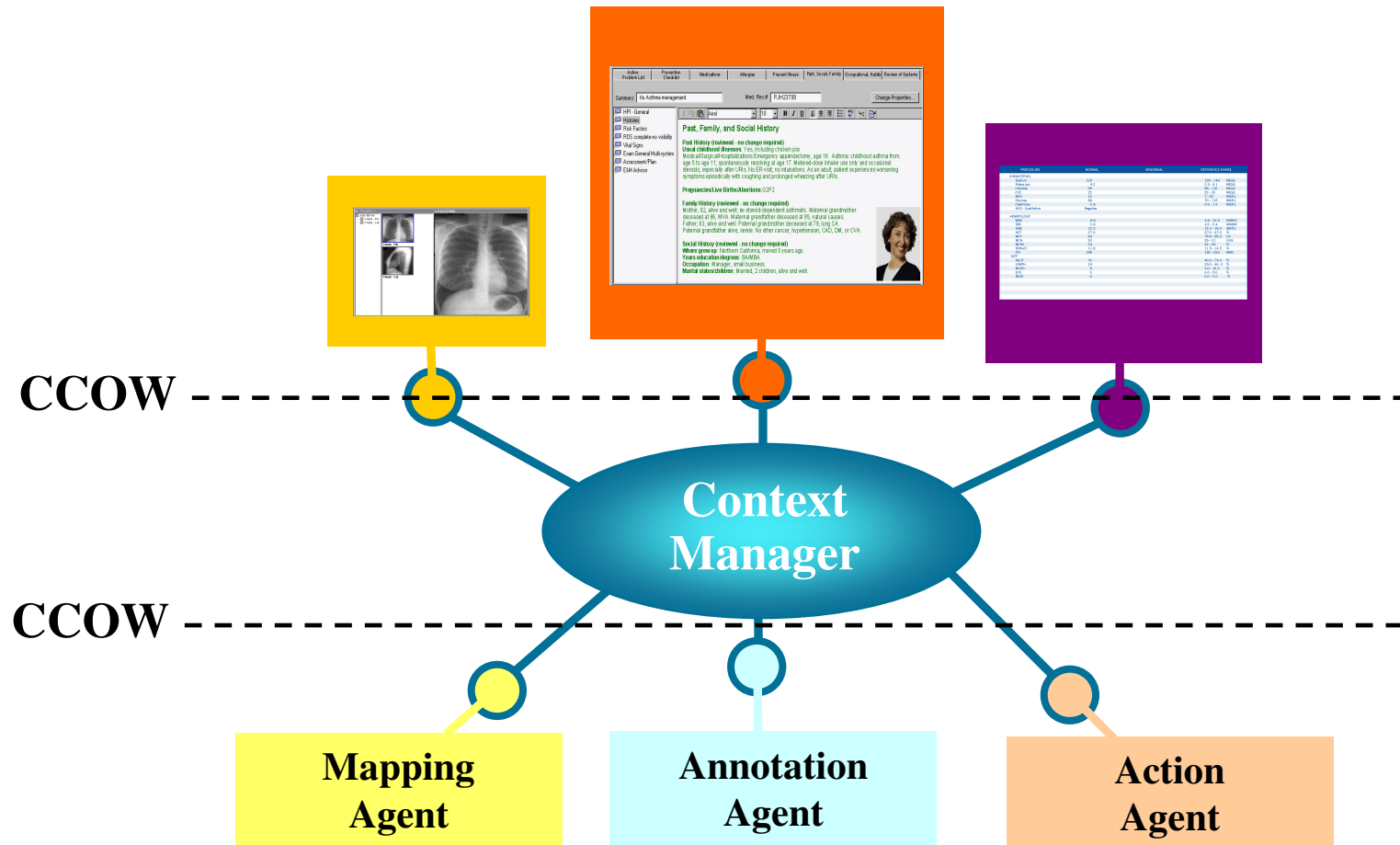


Technology Neutral Standard

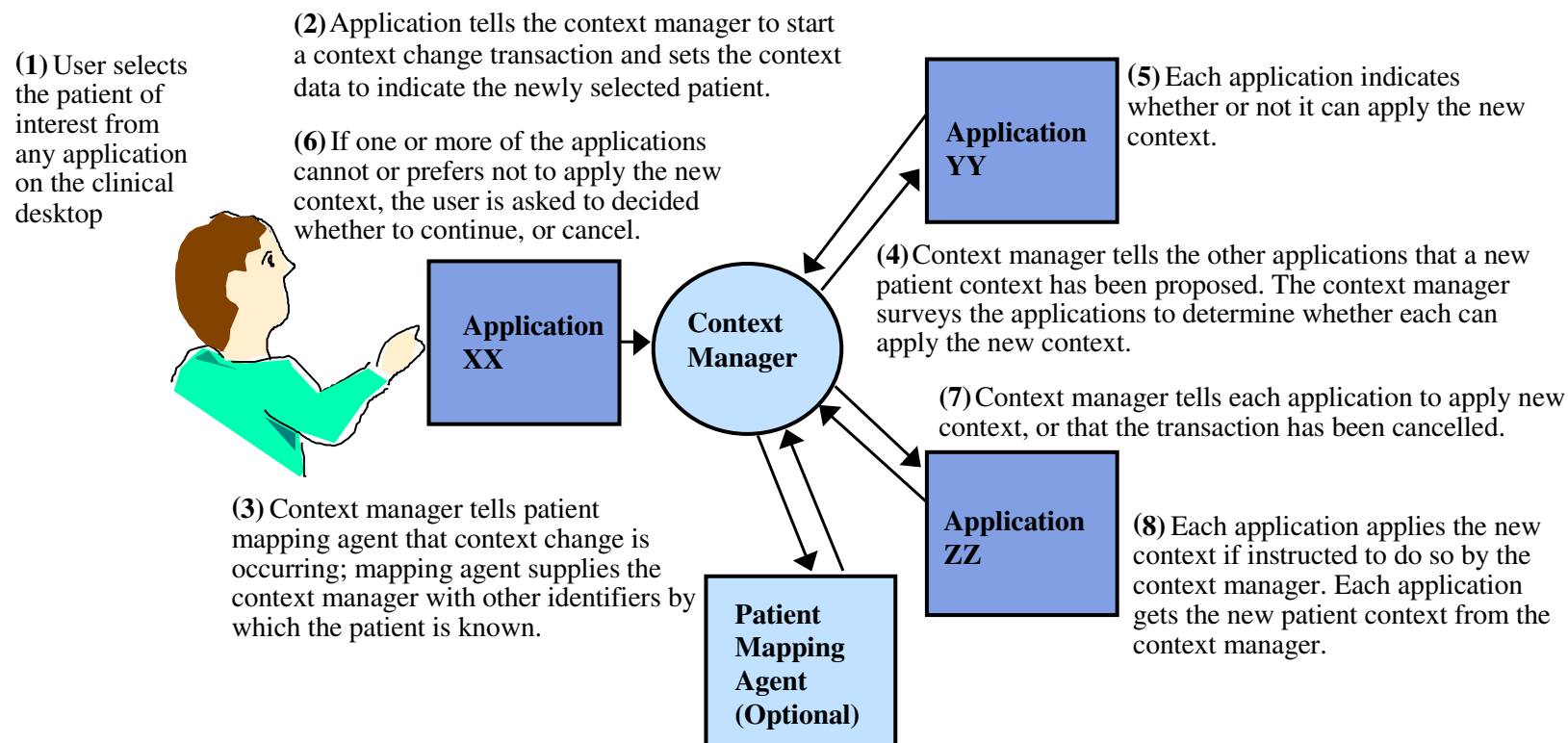


Component Architecture

Disparate Applications / Standard CCOW Interfaces



Context Change Process



CCOW Standard Status

1.0 (Ratified April 1999)

- √ **Component Architecture**
- √ **Common Links: Patient Link**
- √ **Secure Links: User Link**
- √ **Component Interfaces for:**
 - Applications**
 - Context Manager**
 - Patient Mapping Agent**
 - User Mapping Agent**
 - Authentication Repository**
- √ **Technology Mapping to COM**
- √ **User Interface for Windows**

1.1 (Ratified January 2000)

- √ **Inter-dependent Subjects: Encounter Link**
- √ **Custom Subjects and Items**
- √ **Conformance Statements**

1.2 (Ratified May 2000)

- √ **Technology Mapping to Web**

1.3 (Ratified January 2001)

- √ **Additional Security Capabilities**
- √ **Annotation Agents**
- √ **Observation Link**
- √ **Digital Certificate Annotation**

1.4 (Ratified January 2002)

- √ **Action Subjects (Authenticate User)**
- √ **DICOM Study Link**
- √ **Multiple User Contexts / One Device**
- √ **Change Event Filters**

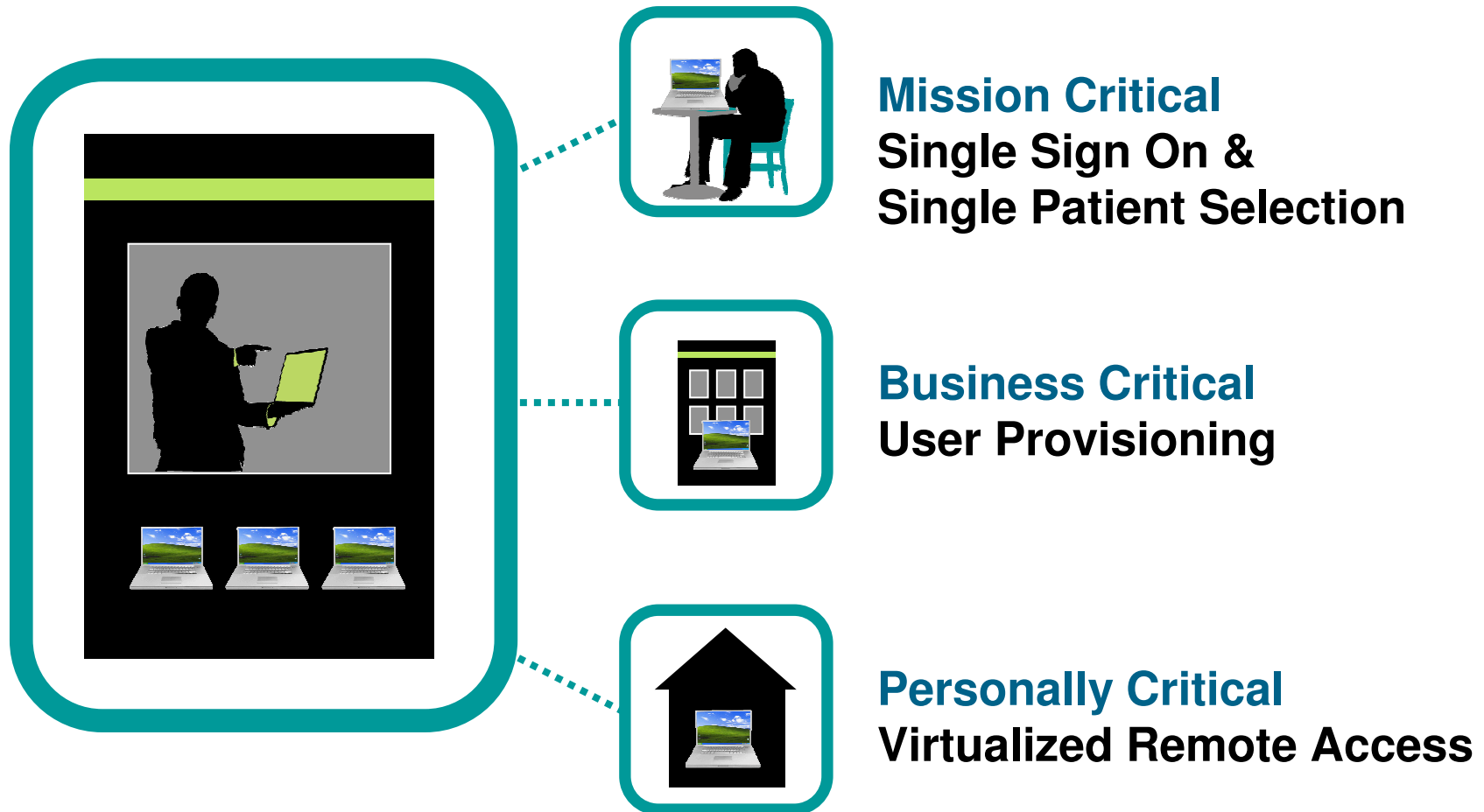
1.5 (Ratified Spring 2004)

- √ **View Link for synchronizing displays**
- √ **Added PKI for “Secure Binding”**

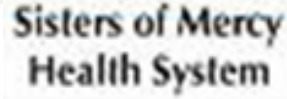
Industry Uptake

- 137 applications available in North America CCOW-enabled
- Almost all use Sentillion's CCOW Software Development Kit
- Very few available in the UK
- Not sure what status is in rest of world
- However, there are thousands of applications in use in healthcare
- Sentillion's idea ... don't wait for the vendors!
- Sentillion provides CCOW-like behaviors via "Bridges"
- More than 400 Bridges are available!

Sentillion: Full Suite Identity & Access Management



Sampling of Sentillion's Customers



275,000+ Live Users



Jewish Hospital & St. Mary's HealthCare



For More Information

www.hl7.org

www.sentillion.com