

Workshop on

Web Services and Service Oriented Architecture

Sydney 28th March 2006

Program Director: Peter MacIsaac

HL7 Board

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Sponsored by:

*health*LINK

BETTER PRACTICE ~ BETTER CARE

House Keeping

- Conference organiser: Hazel Condon
- Wireless Broadband is available
 - Technical Issues see Nick Rowlands
- Workshop closing at 5pm
- CD copies of presentations available at afternoon tea break.
- Next 10th HL7 Conference – May 27th/28th
- HL7 Australia Membership

Introduction to HL7

Klaus Veil

Member - HL7 Board

Chair HL7 Australia & Standards Australia IT14-6-3

Research Fellow - University of Ballarat, Australia

Principal - HL7 Systems & Services, Sydney

HL7.org (USA) Certified V2.4 & V2.5 Specialist

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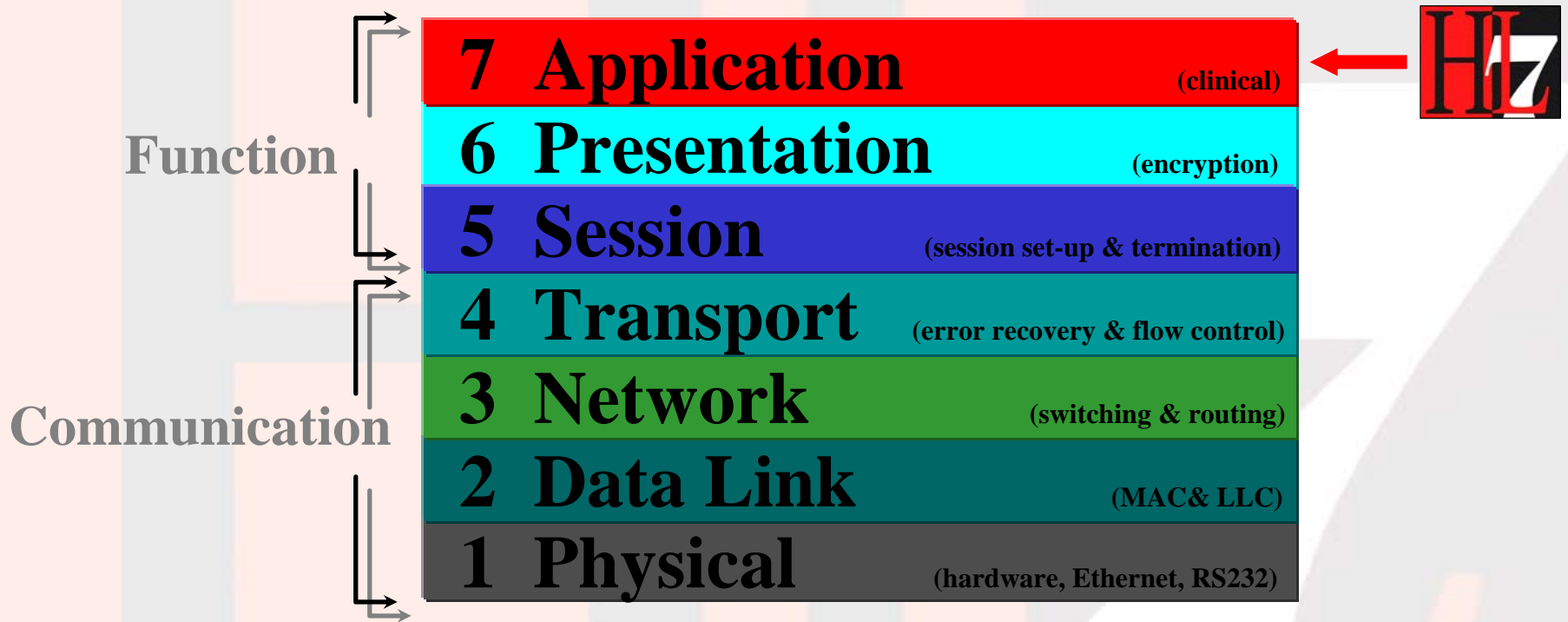


HL7's mission is clinical interoperability

“To provide a comprehensive framework and related standards for the exchange, integration, sharing, and retrieval of electronic health information that supports clinical practice and the management, delivery and evaluation of health services. Specifically, to create flexible, cost effective standards, guidelines, and methodologies *to enable healthcare information system interoperability and sharing of electronic health records.*”
(Source: HL7 Mission statement, revised 2001)

HL7's strategy is

- innovation – both by ourselves and by our users
- participation



7-layer ISO Communication Model

HL7

- Messaging – V2 & V3
- Structured Documents – CDA...xml
- Decision Support
- Electronic Health Record
- Healthcare Services Specification SIG
- Terminology/Vocabulary

**HL7 is a Standards Development
Community**

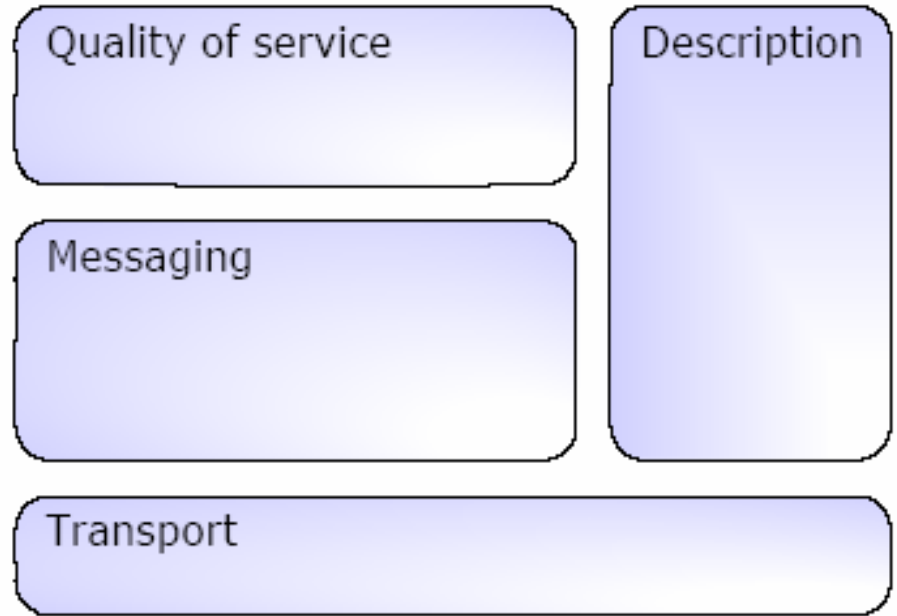
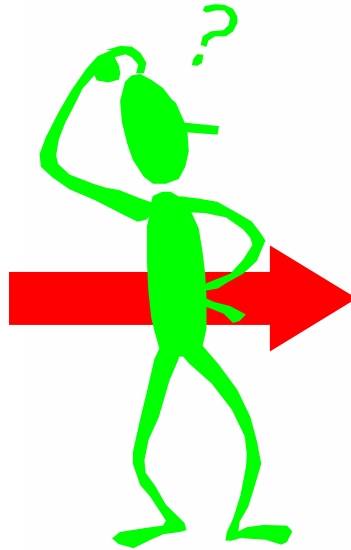
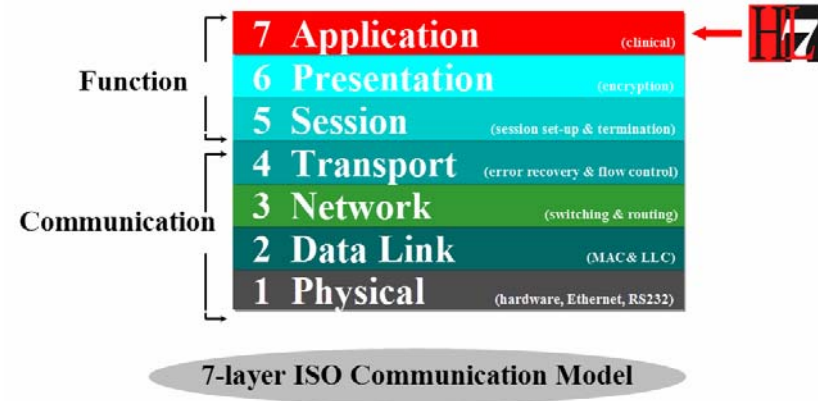


Figure 1 Web services stack

Web Services Model



Web Services

Service Oriented Architecture

Michael Georgeff – Monash Uni
Robert Woods/Hoylen Sue – NEHTA
Michael Czapski – Sun/SeeBeyond
Mark Gibson – Extensia/DSTC
Graeme Grieve – HL7 & Kestral
Tom Bowden - HealthLink
Urma Srinivasin – PHI Services
Glen Stephens – Medical Objects
Ross Davey – Argus Connect
Tim Bennington – AutumnCare Systems
Heath Frankel- HL7 Board/Frankel Informatics
Vince McCauley – HL7 Board/McCauley Systems

And 70 others so far from industry

www.hl7.org.au

Agenda

Introduction - Michael Legg/Peter Maclsaac

WebServices in HealthCare – Michael Georgeff

NEHTA Strategy – Robert Wood

From here to there – Michael Czapski

Break

SOA_Practical examples – Michael Czapski, Glen Stephens, Mark Gibson

HL7 and SOA-Web Services – Graeme Grieve

Industry issues and questions – everyone

Agenda 2

Lunch

Applications of Web Services – Tom Bowden,
Ross Davey, Tim Bennington, Mark
Gibson/Michael Czapski

Break

**Panel: architecture, security, technical
issues**

Uma Srinivsan, Hoylen Sue, Graeme Grieve,
Questions and summing up: Michael Georgeff

What Next – Peter Maclsaac