News from The Open Group

April 2002

THE *Open* GROUP

Topics

- What is **In³**

- What's new in certification

- The Single UNIX® Specification – The Authorized Guide

- Highlights from The Forums

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Background

- Interoperability is an issue for most organizations
  - However interoperability is a big issue
  - Interoperability has many meanings
- Therefore we need to understand what is really meant by this requirement
  - Use business scenarios
- The following is our understanding of the interoperability requirement

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What Is Meant by Interoperability

- A useful working definition of interoperability

  - The ability of two or more entities or components to exchange information and to use the information that has been exchanged *"to meet a defined mission or objective"*

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Customer Problem Statement

- "I could run my business better if I could gain operational efficiencies improving

  - **the many different business processes of the enterprise**

    - **both internal, and**

    - **spanning the key interactions with suppliers, customers, and partners using**

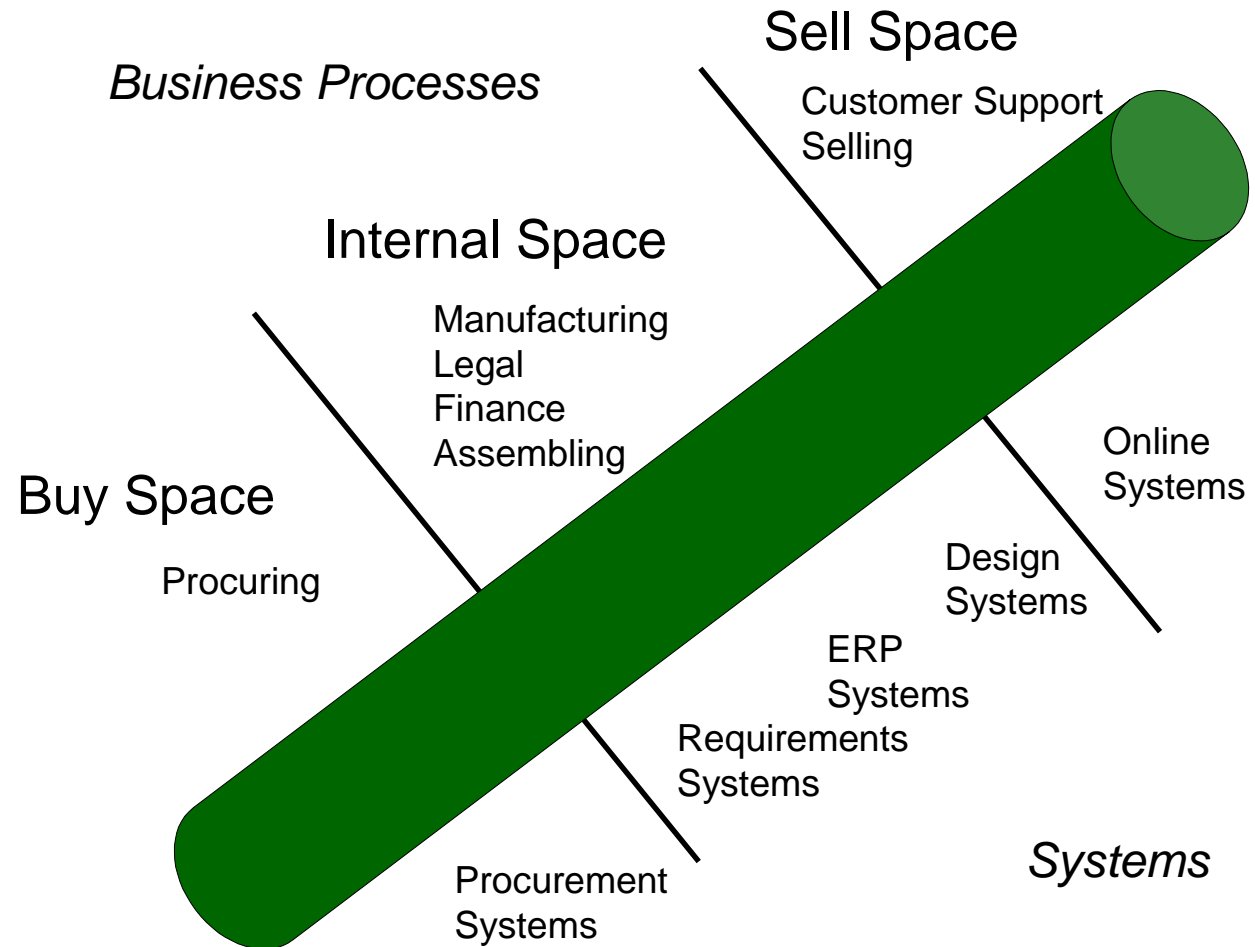 - **integrated information, and integrated access to that information."**

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Shared Problems across Industries

Manufacturing	Finance	Petrochemicals
Business Processes Manufacturing… Scheduling Procurement Human resources, …	**Business Processes** Banking… Scheduling Procurement Human resources, …	**Business Processes** Exploration… Scheduling Procurement Human resources, …
Business Logic Manufacturing Scheduling Procurement Human resources, …	**Business Logic** Banking… Scheduling Procurement Human resources, …	**Business Logic** Exploration… Scheduling Procurement Human resources, …
Business Metadata Manufacturing Scheduling Procurement Human resources, …	**Business Metadata** Banking… Scheduling Procurement Human resources, …	**Business Metadata** Exploration… Scheduling Procurement Human resources, …
Middleware	**Middleware**	**Middleware**
Operating Systems	**Operating Systems**	**Operating Systems**
Computer Hardware	**Computer Hardware**	**Computer Hardware**
Networks	**Networks**	**Networks**

Common problems

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Problems from ...

Need to integrate and optimize business processes

Business Processes

Sell Space

Customer Support
Selling

Internal Space

Manufacturing
Legal
Finance
Assembling

Buy Space

Procuring

Online
Systems

Design
Systems

ERP
Systems

Requirements
Systems

Procurement
Systems

Systems

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Problems from ...

However fundamental issues are:

Integrated information
and
Integrated access

Sell Space

Customer Support
Selling

Internal Space

Manufacturing
Legal
Finance
Assembling

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Procuring

Online
Systems

Design
Systems

ERP
Systems

Requirements
Systems

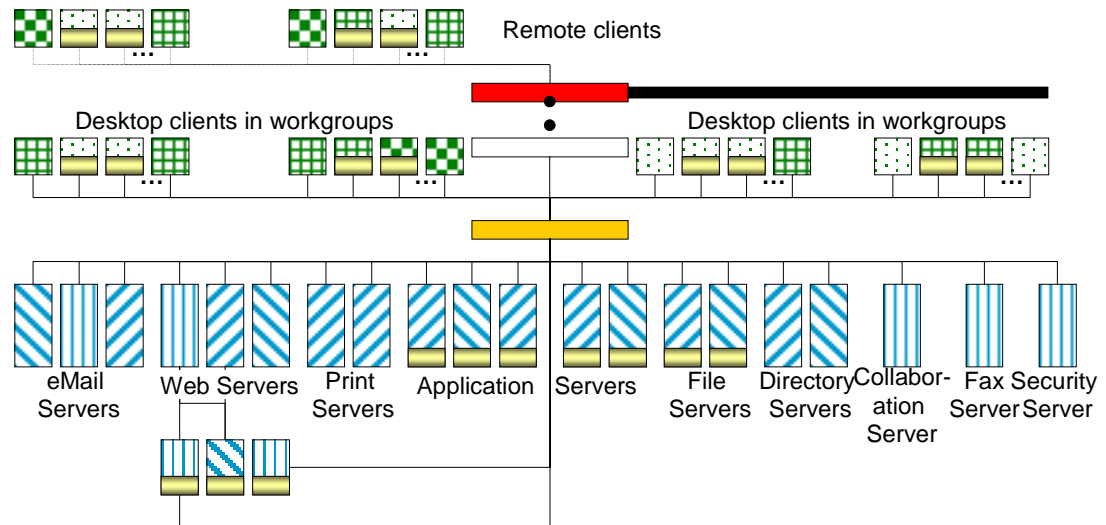Procurement
Systems

Systems

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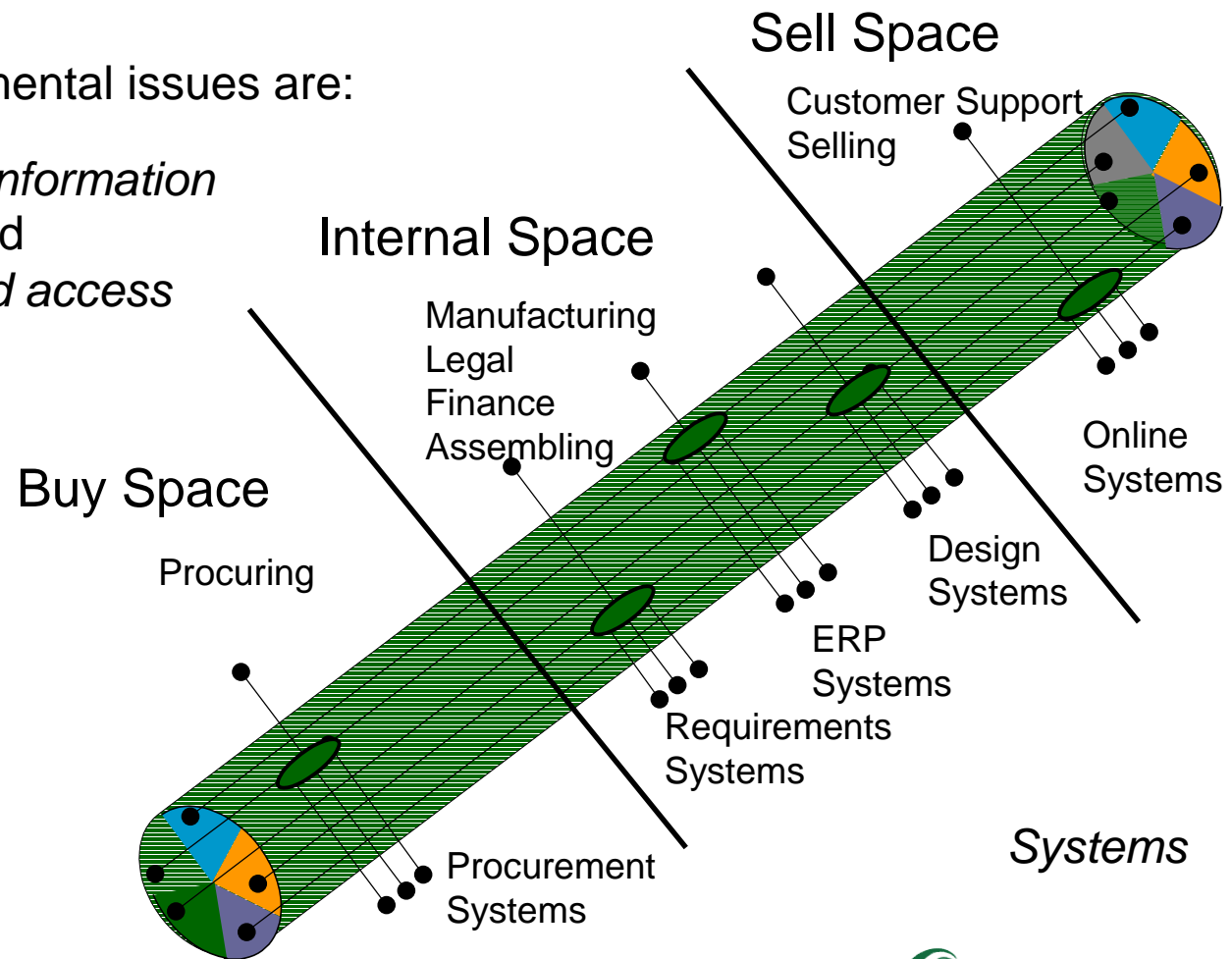
Technology Environment
Network View
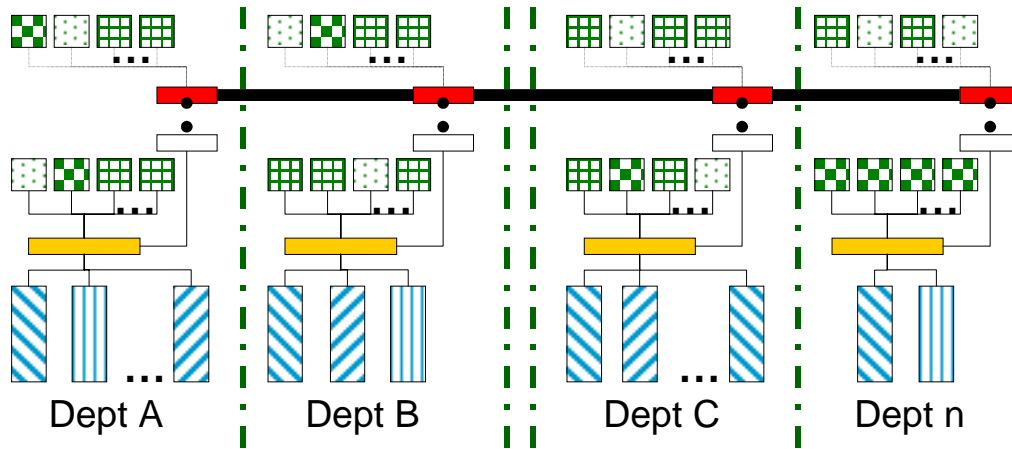
- Highly complex
- Heterogeneous
- 1000s of systems
- Information throughout
- Need for some level of information sharing

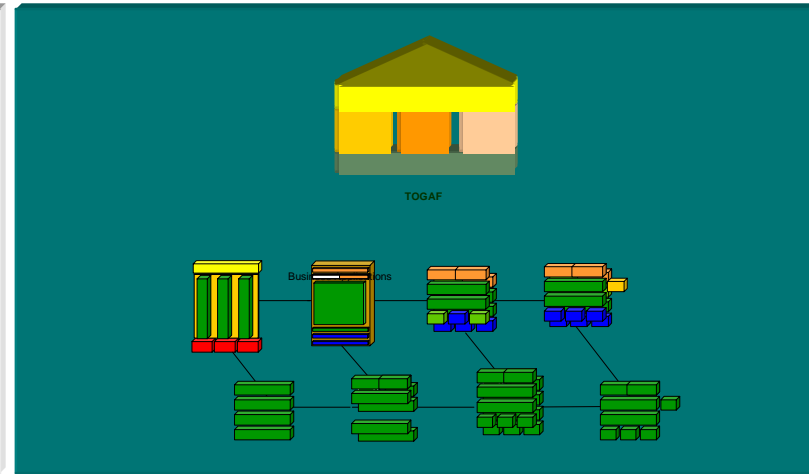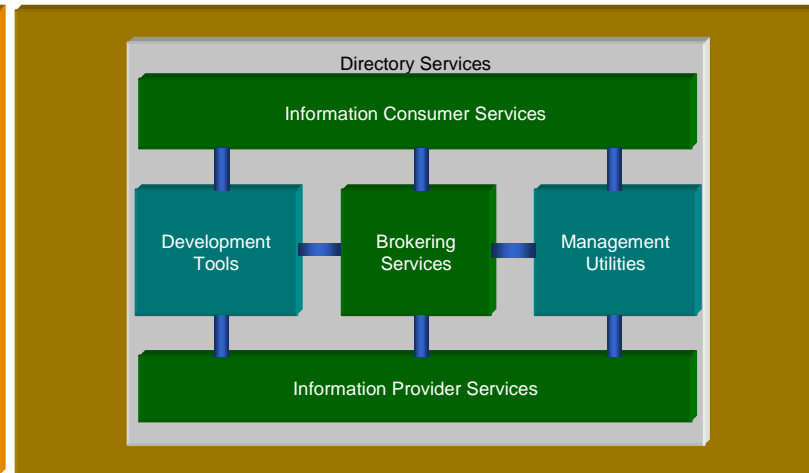- Too much information that just can't be easily accessed and managed!

Dept A Dept B Dept C Dept n

Remote clients

Desktop clients in workgroups   Desktop clients in workgroups

eMail Servers   Web Servers   Print Servers   Application   Servers   File Servers   Directory Servers   Collaboration Server   Fax Server   Security Server

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So What Can You Do In The Open Group?

	Information	**Infrastructure**
Business		TOGAF
Technical		Directory Services — Information Consumer Services — Development Tools, Brokering Services, Management Utilities — Information Provider Services

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We All Have Parts to Play

The Open Group Staff

Customers

Vendors

Customer Council **Vendor Council**

Program Forum

We can and will succeed!
Together we're better.

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DMTF

- DMTF has retained us to develop a certification program for the CIM specification
  - Certification Policy
  - Test Architecture
  - Program materials
  - Test suite
- For operation by DMTF or a 3rd party as required
- http://www.dmtf.org

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LSB

- ❑ Retained by the Free Standards Group

- ❑ To develop a certification program for Linux based systems

- ❑ And applications that run upon them.

- ❑ Target is the Linux Standard Base specification (LSB), an application binary interface for Linux.

- ❑ http://www.linuxbase.org

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SIF

- Membership from K-12 education suppliers and school systems
- Standards for data interchange between applications
- Retained to develop certification policy and test architecture
- Program development and test suite development under discussion
- http://www.sifinfo.org

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DVB-MHP

What is DVB-MHP?

- MHP stands for Multimedia Home Platform
- A specification that is part of the Digital Video Broadcast (DVB) standards under development by the EBU
- EBU standards cover all aspects of digital broadcast for terrestrial, satellite, cable and leverage off other ISO and ETSI standards
- MHP Test Consortium (DVB-MHP TC) is funding us to develop a test suite
  - http://www.mhp.org/

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MHP provides:

- ❑ Application delivery to a TV or iDTV
- ❑ Ability to work with plug-in or agent processes
  - ▪ Browser
  - ▪ JMF Player for video and audio
  - ▪ Image display
- ❑ An application sand-box for security

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Applications:

- ❑ Enhanced TV Experience
- ❑ Customisable applications
    - ▪ Stock analysis
    - ▪ Sports information
    - ▪ News headlines
- ❑ Games and gambling
- ❑ On-line shopping
- ❑ Integrated broadcast and web

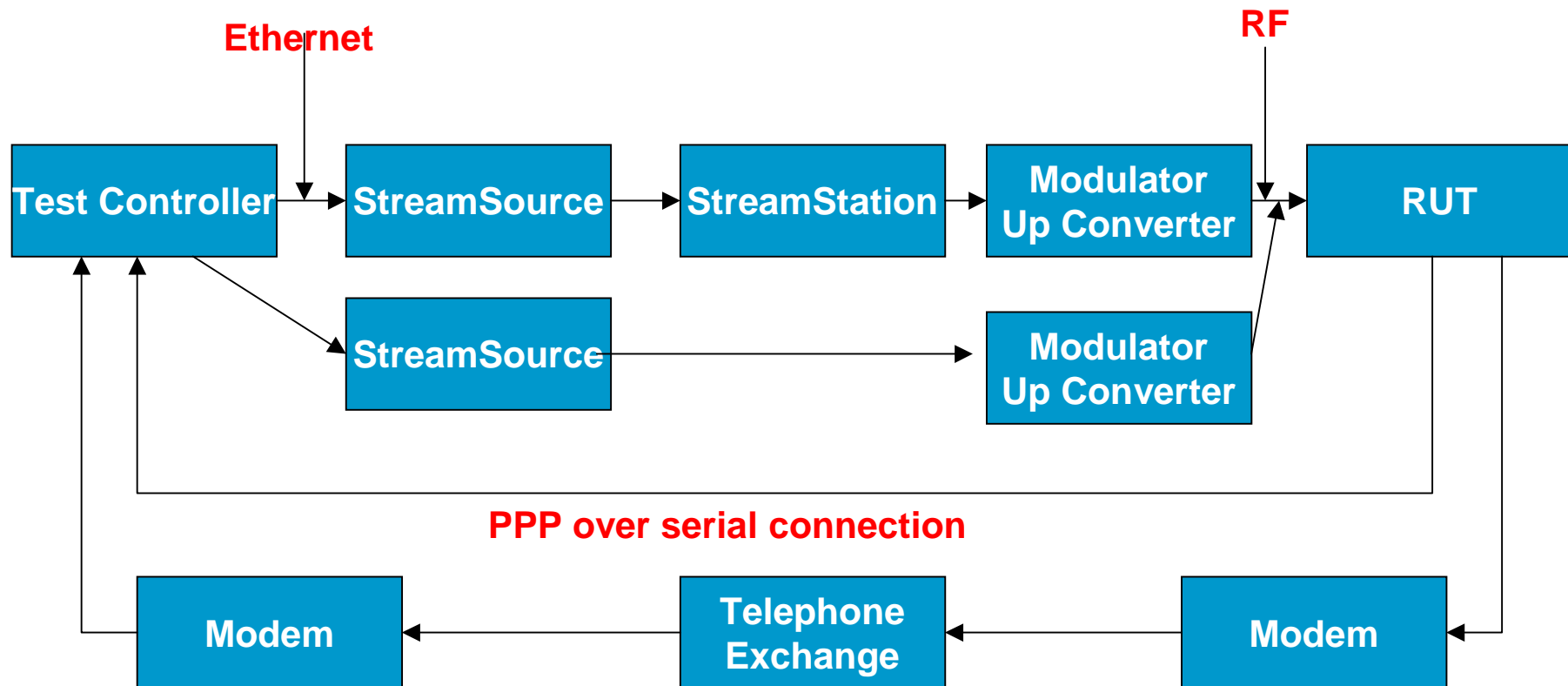# MHP includes

- Java & HTML APIs for applications
- Application control by the broadcaster or from other applications
- Secure access to scarce resources
  - Return channel
  - Conditional Access (Parental, Purchased)
  - File system
- "File system in the sky"
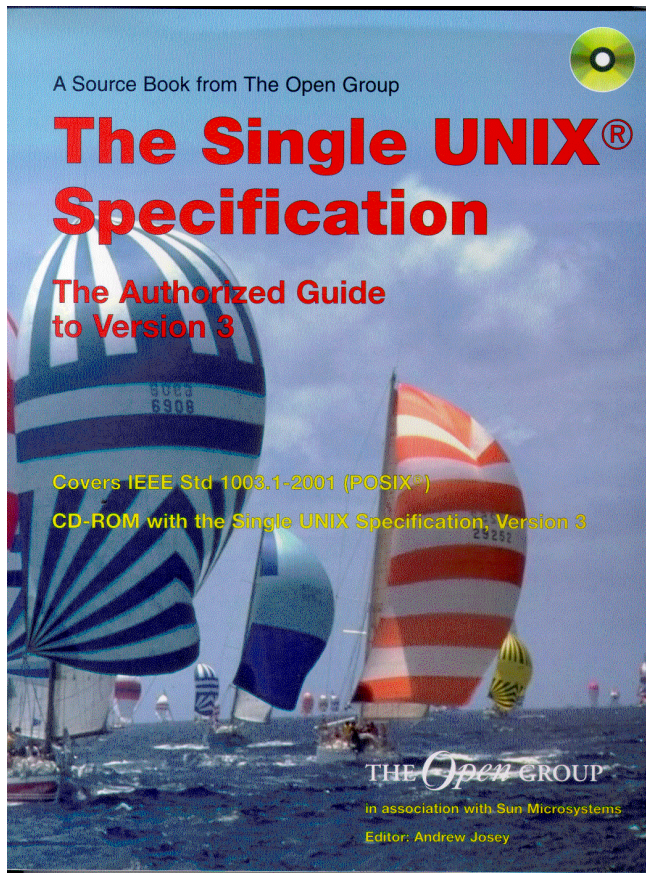- Program synchronised events

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How do we test MHP?

- ❑ Server - client model based on TETware

- ❑ Test controller installed in a rig with broadcast equipment to transmit to a receiver

- ❑ Tests are broadcast streams with audio, video, data and other assets

- ❑ Automated tests of the software environment in the Receiver Under Test (RUT)

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Current Test Environment

Ethernet

RF

Test Controller	StreamSource	StreamStation	Modulator Up Converter	RUT

StreamSource	Modulator Up Converter

PPP over serial connection

Modem	Telephone Exchange	Modem

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Topics

A Source Book from The Open Group

The Single UNIX®
Specification

The Authorized Guide
to Version 3

Covers IEEE Std 1003.1-2001 (POSIX®)

CD-ROM with the Single UNIX Specification, Version 3

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in association with Sun Microsystems

Editor: Andrew Josey

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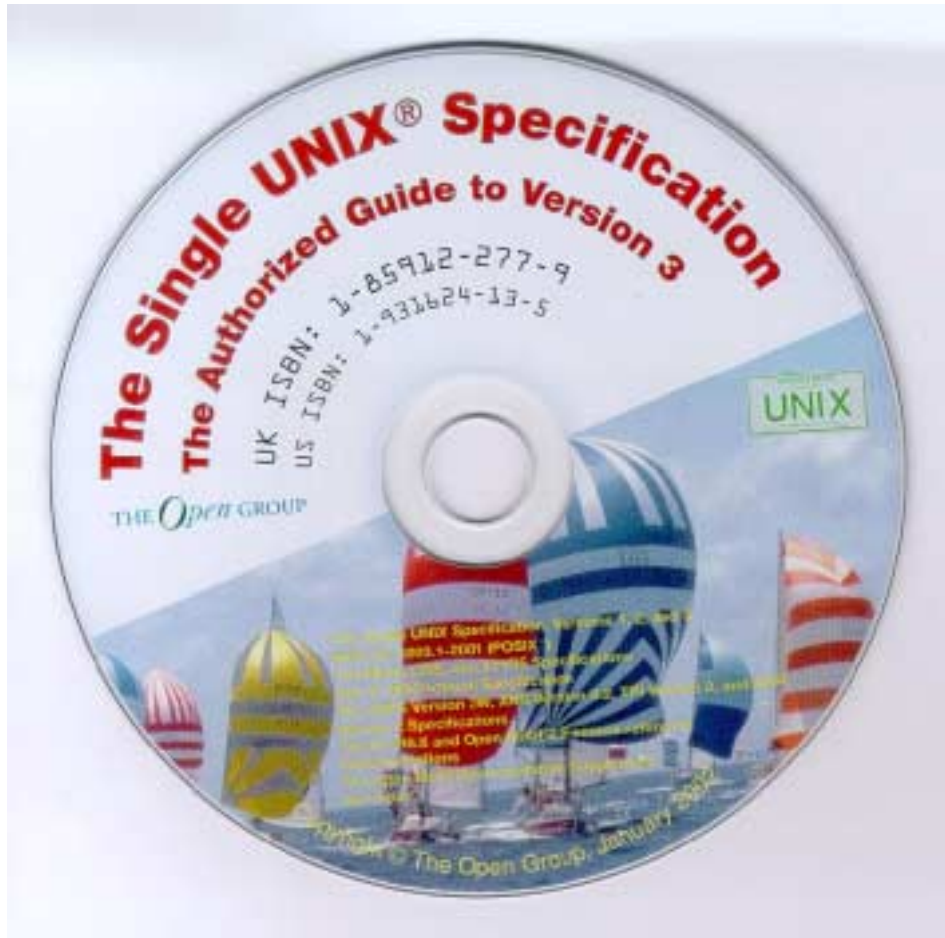
- ❑ Highlights from The Forums

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Contents Summary

BOOK	CDROM
❑ An overview of the history of the UNIX system and the Single UNIX Specification	❑ The Single UNIX Specification Versions 1, 2 and 3 in html and PDF
❑ Guidance on how to use the Single UNIX Specification	❑ IEEE Std 1003.1-2001 (POSIX®)
❑ Detailed Interface tables	❑ PDF Browser software (Adobe Acroread and xpdf)
❑ Detailed migration information between version 2 and version 3	❑ The complete Motif, CDE and X11R5 specifications in PDF
❑ C language migration information	❑ X11R6 Protocol specification, XNFS 3W, XNS v5.2, TPI v2, DLPI v2
❑ The Open Brand	❑ And more…
❑ And more…	

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Forums Highlights

- **BASE**
  - Guide book to single UNIX spec v3 published
- **Directory Interoperability**
  - Mobile and Directory business scenario
- **Enterprise Management**
  - Open Manageability Project managed open source homestead launched
- **Messaging**
  - Successful multi-vendor demonstration
  - Secure messaging toolkit first draft
  - The Message – Edition 4 published

- **Mobile Management Forum**
  - Vertical Workshops
  - Managing the Mobile Workforce
- **Quality of Service**
  - 50+ at January meeting
  - Liaison agreement with TMF
- **Real-time & Embedded Systems**
  - 100+ at January meeting
- **Security**
  - Guide to security patterns, first draft

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www.opengroup.org/apr02

The Rest of the Day

Mobile Work – Trends and Challenges

Mobile Security

Mobile and Directory

The Open Group Customer Council
The role of customers in In3
Open Source
WEB Services

Global Directory Forum
Directory Access Control Summit

Gala Dinner

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