



UNIX is a registered trademark of The Open Group

THE *Open* GROUP

UNIX 98 Certification

Program Principles

- ❑ Clear and well-defined:
 - certification policies
 - processes for achieving and maintaining certification
 - based on industry best practice.

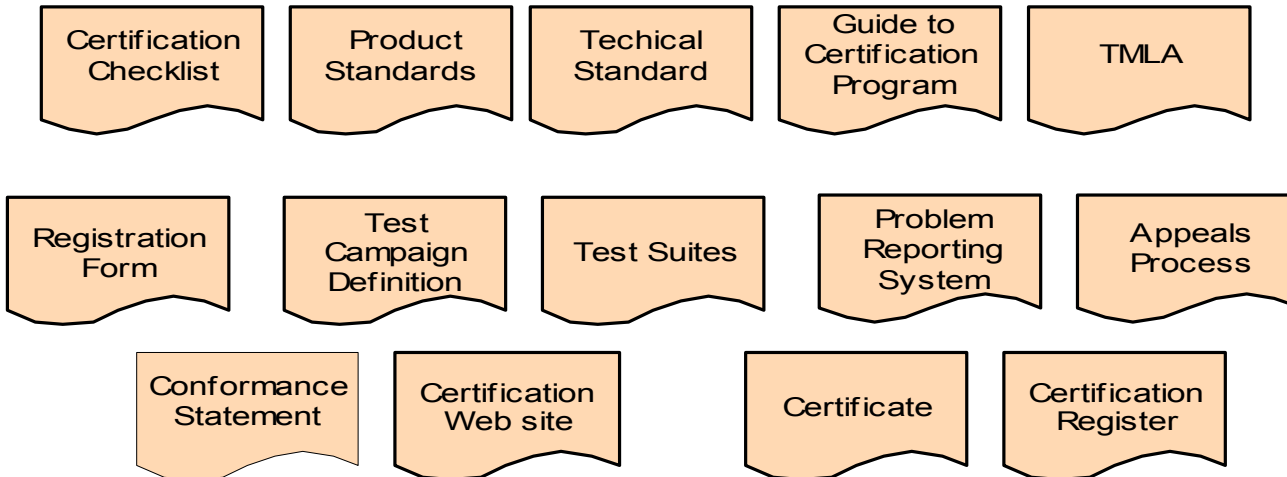
The Open Brand

- ❑ Operates under trademark law
- ❑ Designates products that are guaranteed to conform to open systems specifications
- ❑ A vendor guarantees that any non compliances will be fixed within a defined time period
- ❑ <http://www.opengroup.org/openbrand/>

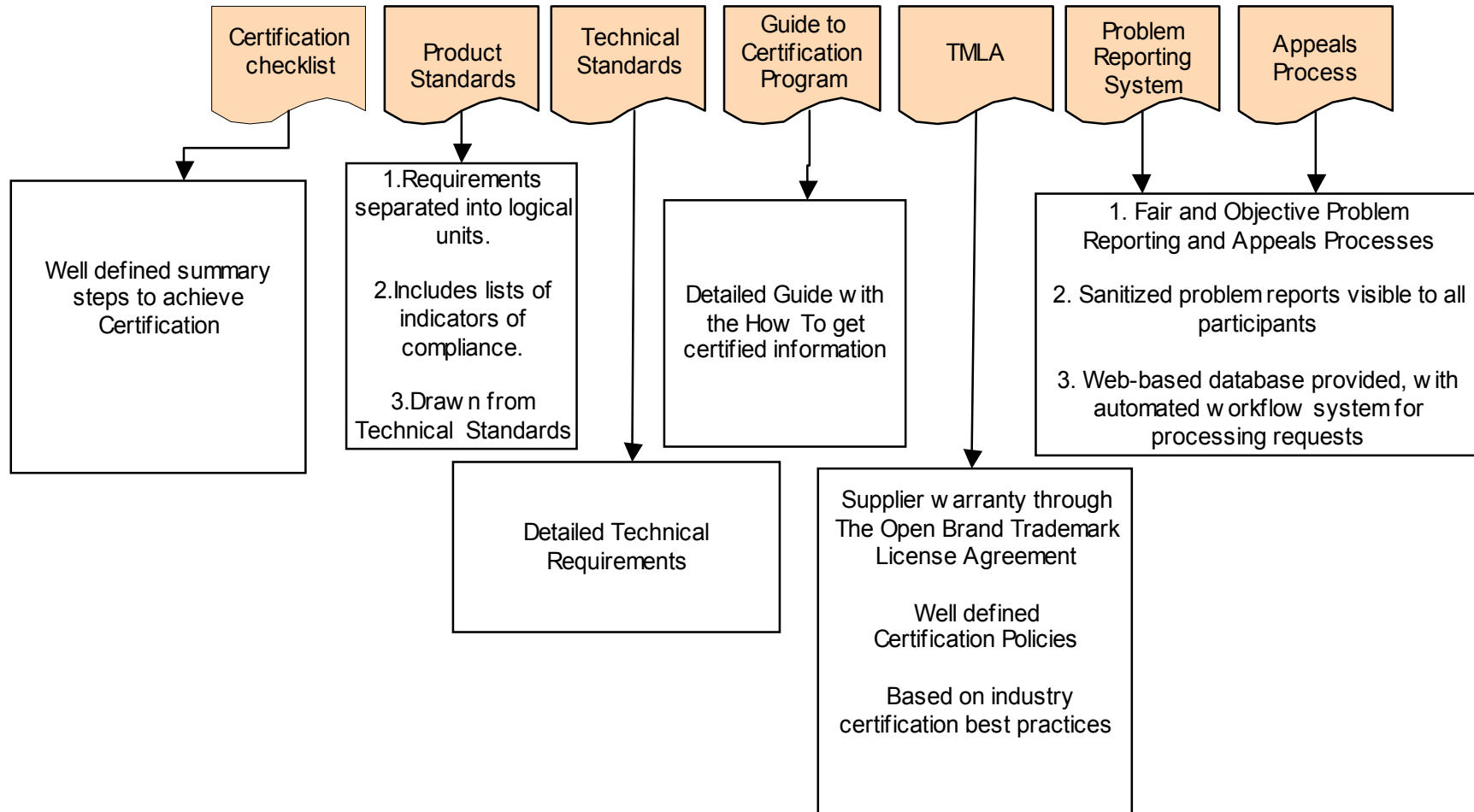
Trademark License Agreement

- ❑ Vendor guarantee of conformance to specifications.
 - Vendor 'Warrants & Represents'
- ❑ This guarantee ensures that:
 - Products conform to a specification
 - Products remain conformant throughout the life of the product's registration
 - Any non-conformance will be fixed in a timely manner

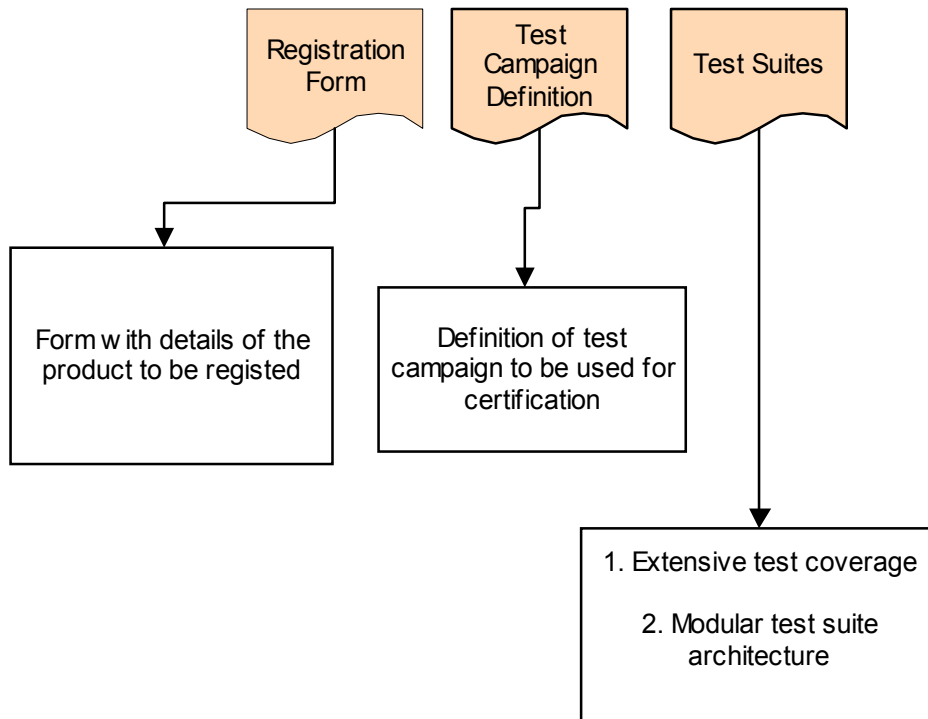
Program Elements



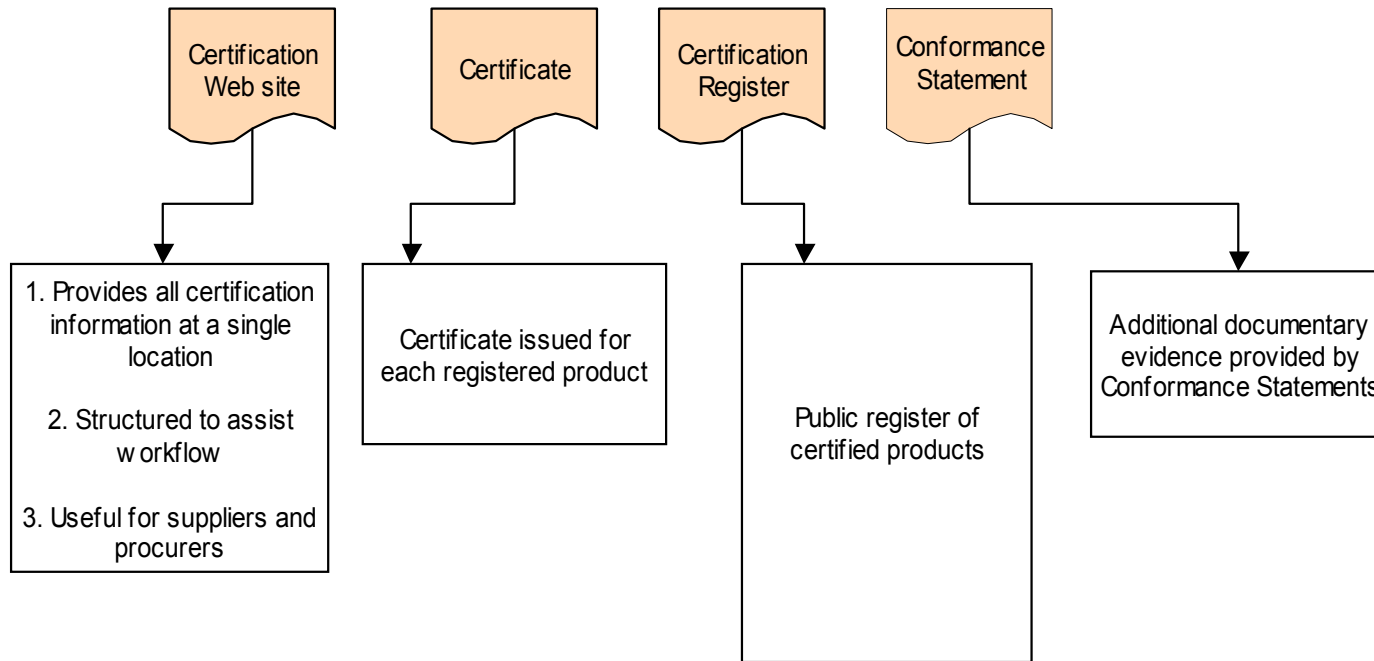
Elements (1)



Elements (2)



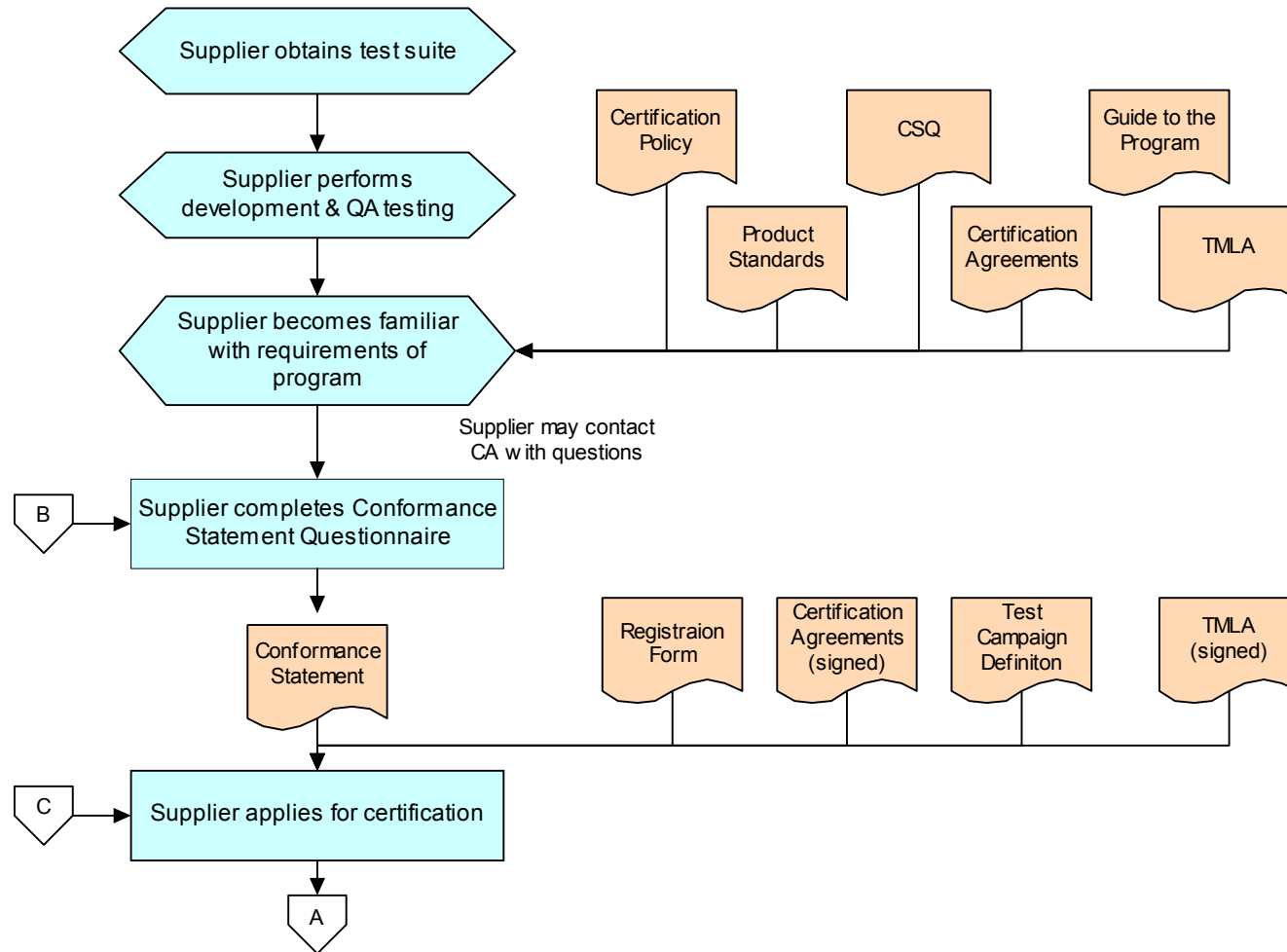
Elements (3)



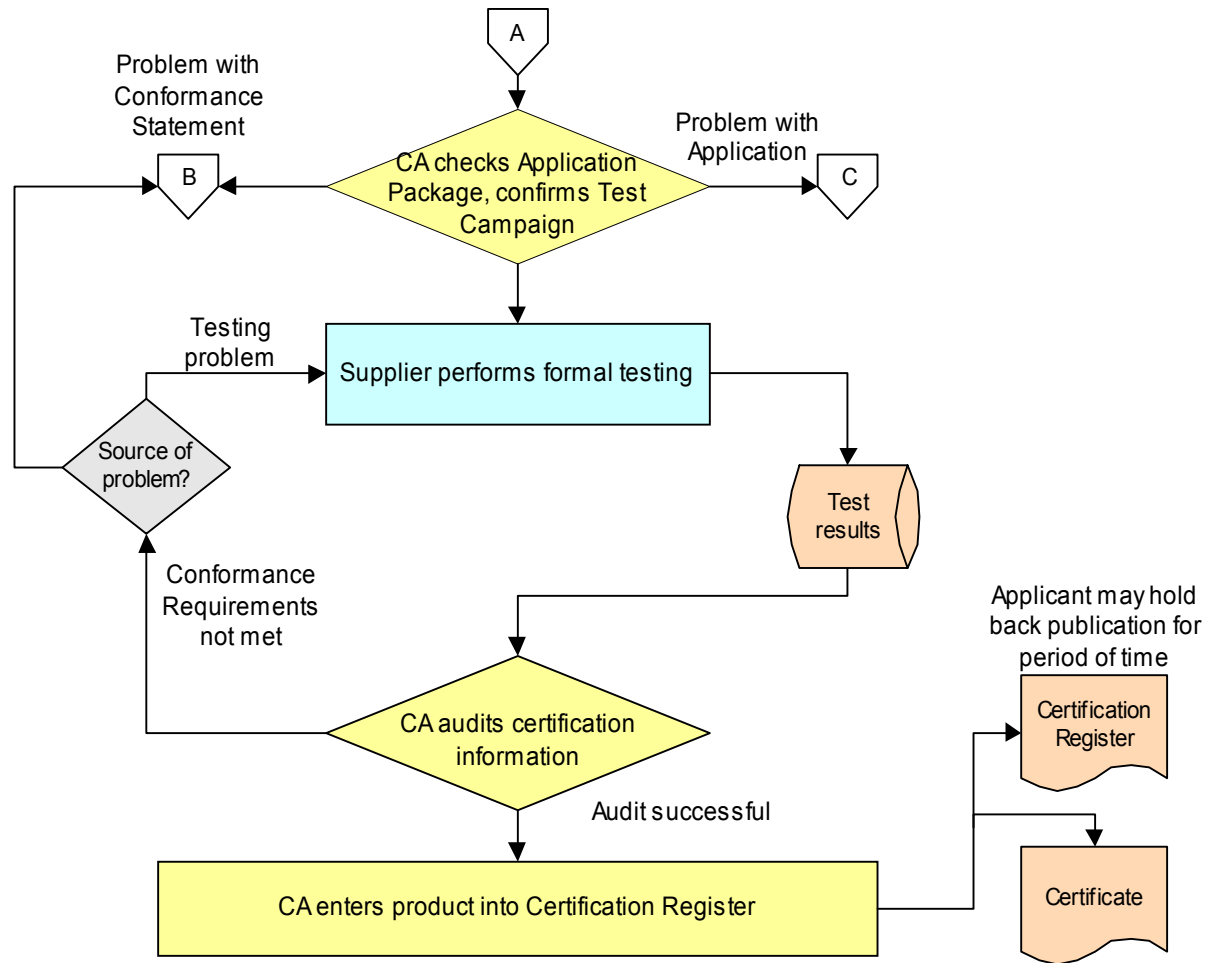
Certification Process - Roles

- ❑ Specification Authority
 - Specification owner – responsible for developing, maintaining and interpreting the specification(s)
- ❑ Certification Authority (CA)
 - Manages the day-to-day operations of the certification program
 - Ensures quality, fairness and integrity
- ❑ Test Suite Maintenance Authority (TSMA)
 - Maintain the test suites

Certification Process (1)



Certification Process (2)



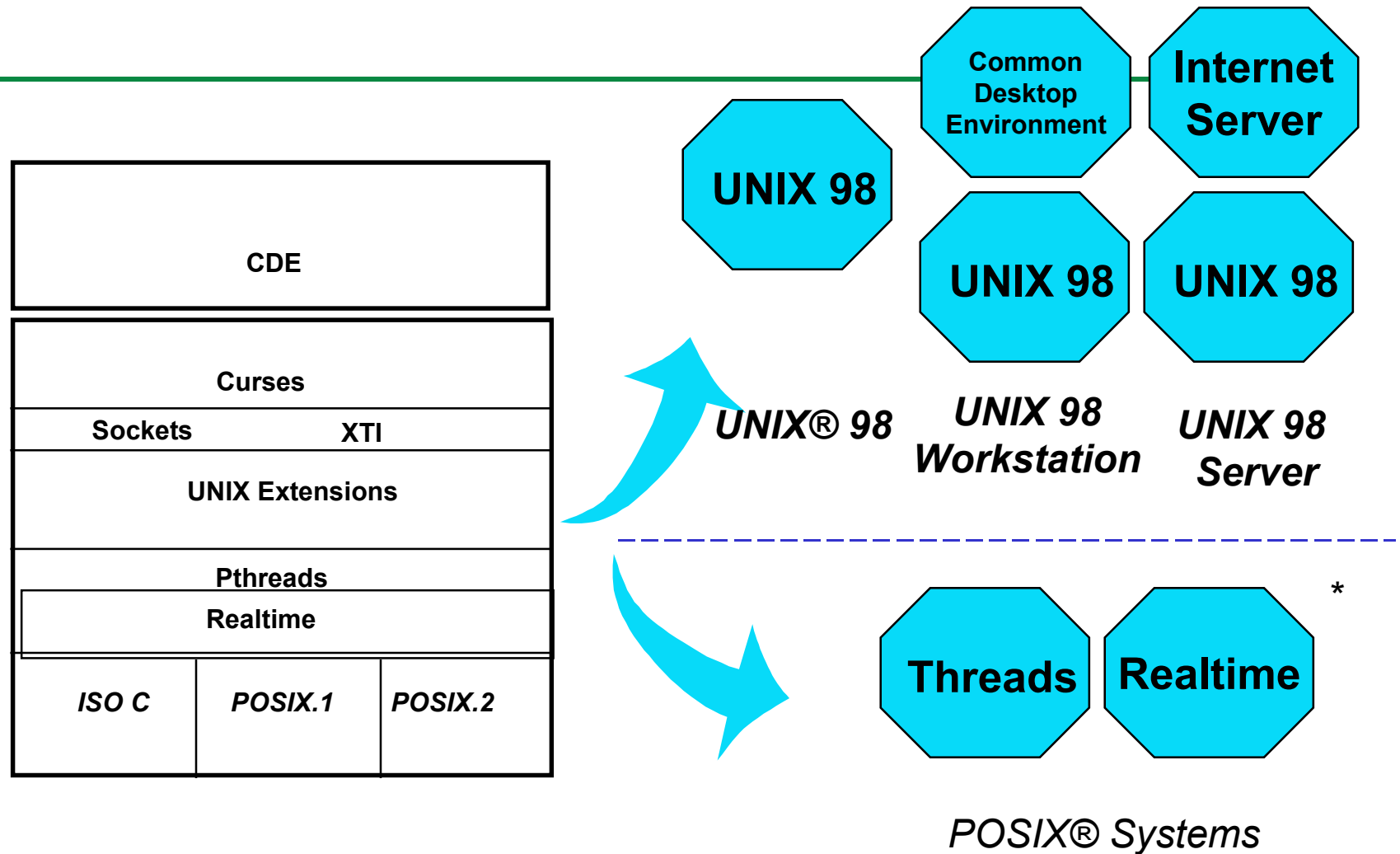
Product Standards

- ❑ Define the Conformance Requirements
 - Define what a conforming product must do to be compliant
 - Also defines what it must not do to be considered compliant
 - Separate document for each product type or grouping of functionality
 - Provides mapping between products and Technical Standards and other referenced specifications
- ❑ Define the testing requirements

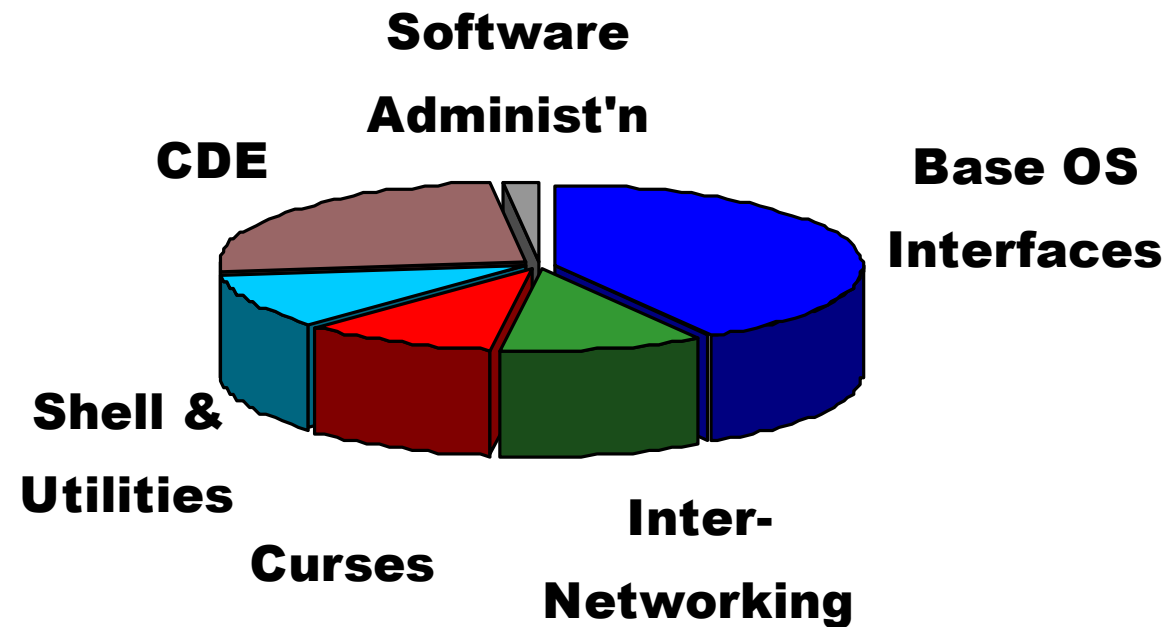
UNIX 98 Product Standards

- ❑ UNIX 98 - the mark for systems conforming to Version 2 of the Single UNIX Specification
- ❑ UNIX 98 - *“the standard base”*
- ❑ UNIX 98 Workstation
 - UNIX 98 plus CDE
- ❑ UNIX 98 Server
 - UNIX 98 plus Internet Server capabilities
 - Adds interoperability services to the UNIX 98 APIs in support of internet/intranet services

Specifications vs Product Standards



UNIX 98 Workstation



UNIX 98 Server

- ❑ *Captures existing de-facto practice*
- ❑ Includes a *platform-independent* Internet Server Product Standard
- ❑ Additional functionality over existing UNIX 98 Product standard includes:
 - The Internet Protocol Suite
 - Java Support (JRE 1.1)
 - Internet capabilities to support network computing

Java is a trademark of Sun Microsystems Inc. ■

UNIX 98 Server - Internet Services

OSI Model

Application
Presentation
Session
Transport
Network
Data Link
Physical

Telnet Ftp NFS Http DNS Lpd Smtplib WebNFS NTP LDAP SNMP POP3 IMAP4				
Sockets		XTI	RPC	
TCP		UDP		
IP	icmp	bootp	dhcp	tftp
Ethernet	Token Ring		Other	

DOD Model

Application
Host to Host
Internet
Network Access

UNIX 98 Certification

□ Product Standards

- <http://www.unix.org/unix98.html>

□ The Open Brand Certification Program

- <http://www.opengroup.org/openbrand/>
- <http://www.opengroup.org/openbrand/register/>
- <http://www.opengroup.org/openbrand/testing/checklist/>

UNIX 98 Testing

- ❑ Certification is backed by an extensive set of tests
- ❑ Used by vendors to demonstrate conformance as part of formal certification
- ❑ A family of tests available for UNIX 98
 - Known as *Eastwood*
 - Modular test suites
 - Covers mandatory features and key options

UNIX 98 Test Suites

