



The DAVIC Intranet

'Philosophy and Features'

1

Frits Klok
KPN Research

Geneva
January 12, 1999



There are lots of tools....

SDP

L2TP

SAP

SIP

DHCP

JAVA

MPLS

HTML

RSVP

SLP

RTSP

IPV6

RTP

RTCP

XML

MPEG

FTP

PPP

H323

E164

2

What's needed is a system specification!

The DAVIC Intranet is an all IP SYSTEM specification

Currently for:

- ★ Web-browsing
- ★ TV Anywhere
- ★ TV Anytime

Next generations will also support:

- ★ Telephony
- ★ Videoconferencing
- ★ 3D - Virtual environments
- ★ Talk-back TV etc.

3

Advantages of the DAVIC Intranet

- ★ Economy of scale
- ★ Predictable performance
- ★ Manageable
- ★ Secure
- ★ Commercial clarity

4

Current features supported:

- ★ QoS support for 'on-demand' services
- ★ Multicast capable
- ★ Location and control of local storage devices
- ★ Location and control of remote servers
- ★ TV - Streaming

5

Next steps

- ★ More functionality in the DAVIC Intranet
 - IPv6
 - Reliable multicast
- ★ Support for services that combine broadcast and DAVIC Intranet content components in a transparent manner:
 - getting background material on a documentary on a broadcast channel via the DAVIC Intranet
 - watching a TV programme distributed via a broadcast channel after clicking a link on the DAVIC Intranet
- ★ Support for services with conversational audio-visual components

6