



Which future for DPE?

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Does one size fit all?



DPE as a Platform for telecommunications



▼ What is so special about telecommunications?

- No requirements from telecommunications application are specific to telecoms...
- ...but some of these requirements are not common to all domains of application

▼ Need for a telecommunication tailored platform

- “Distributed Processing Environment”, with
 - Flexible mechanisms to support reliability and scalability,
 - Flexible mechanisms to support real-time execution
 - flexible support to various communication schemes,
 - support to application management
 - support to platform management,
 - advanced tools for distributed application development
 - extended set of services,
 - etc.

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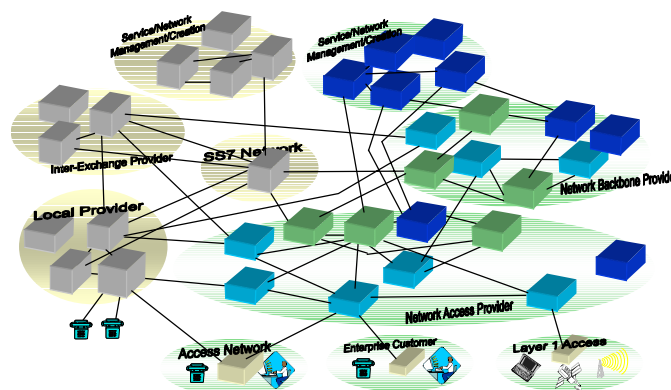
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DPE Vision



Thousands of services for an open telecom marketplace
with billions of interacting objects distributed onto the global network and relying on
heterogeneous networking, server, and terminal technologies



**WILL THE DISTRIBUTED PROCESSING TECHNOLOGY
AND PRODUCTS BE UP TO THE CHALLENGE?**

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▼ Example: CORBA platforms with enhancements

- DPE as a "delta" from CORBA ("Telecom profile"?)

▼ Examples of topics for extension to CORBA:

- ORB execution support
 - Real time, minimum ORB, fault tolerance, etc.
- Interworking
 - TMN/CORBA, IN/CORBA
- New Services
 - Notification service, Logging Services, Transaction service
- Telecom service provision
 - Access to advanced telecom services, brokering
- Application management
 - Multiple interface, etc.



TINA needs the OMG!

▼ TINA role on DPE

- TINA does not expect on DPE to "dig its own furrow" alone
 - DPE as specifications of requirements on CORBA
- OMG is number one target for expressing requirements on DPE
 - TINA as a vector for expressing telecom requirements towards the OMG

▼ Situation within the OMG

- Adopted or on-going specifications...
 - RT, minimum, TMN, IN, Notification, Logging
- ...but need for acknowledgement of telecom requirements
 - Ex: Notification management and networking support
 - Ex: Multiple interface support
 - etc.



The OMG needs TINA!

▼ OMG role on Application Architecture

- OMG focuses (with success) on specifications of middleware interfaces
- Need for Application Architecture?
 - On-going RFI on Open Service Marketplace

▼ TINA position

- TINA focuses (with success) on specifications of a telecom service architecture relying on technology for distributed execution such as CORBA
- TINA is number one provider for CORBA-based telecom application architecture
 - TINA Service Architecture
 - TINA Business Model
 - TINA Network Resource Architecture
 - etc.

TINA & OMG Cooperation



There Is No Alternative!