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ANSA Phase III

TINA Interaction (TC Presentation June 94)

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Abstract

Summary of the TINA-C 94 work program, highlighting opportunities for collaboration.

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Request for Comments (confidential to ANSA consortium for 2 years)

Distribution:

Supersedes:

Superseded by:



TINA-C Interaction

TINA-C Work groups

- **Extensions**
 - extend the TINA-C architecture, taking advantage from existing achievements
- **Refinement**
 - refine the TINA-C architecture in terms of:
technical accuracy, consistency, functional sufficiency, usability
- **Marketecture**
 - ensure that the TINA-C architecture is consistent, aligned with its sponsors' requirements, publicized, comprehended and accepted by the telecommunications and computing community
- **Laboratory**
 - support, validate, explore and suggest architectural ideas



Extension Tasks

- **Service/Communication sessions and applications**
- **Communication session management**
- **Connection management**
- **Security (DPE, services, management perspectives)**
- **Naming concepts and principles**
- **Federation concepts and principles (DPE, services, management)**
- **Performance issues**
- **Conformance concepts and guidelines**
- **Service interaction**
- **Data management**
- **Packaging concepts and guidelines**



Interesting joint issues

- **ANSA binding model <--> TINA session and connection management**
 - comparison and justification of any differences
- **performance and QoS**
 - analyzing and specifying performance and timing issues in telecomms services
 - developing an infrastructure to execute time constrained applications
 - guarantee high availability based on fail-stop failure model
- **meeting to be arranged in August or later**



94 Architecture Extensions Workplan

5.4 External Relationships

5.4.1 ANSA

A strong relationship between TINA-C and ANSA has already been set up in 1993 and will be proceeded. The work provided by ANSA on issues like naming, federation, security, transactions, dependability constitutes one of the major inputs and it is deemed that TINA-C should only check the related concepts against the TINA-C application requirements, provide guidelines on how to use these concepts in relation with others (e.g. OSI naming and security) and specialize them where necessary.



Lab Tasks

- **Tools and methodology for application development**
 - ODL to IDL [converter and report]
 - TPP [report]
 - ODL to extended DPL [converter and report]
 - ODL to C++ on CORBA platform [converter and report]
 - assessment of different approaches [report]
- **DPE specification**
- **DPE platforms and associated issues**
- **Architectural component implementation**