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ANSA Phase III

1995-6 Work Plan Review

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Abstract

A brief presentation, reviewing progress on the work plan agreed in September 95, with suggestions for its continuation.

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

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Why Review Now?

- **Several tasks reach first milestone before summer**
- **Enough progress since September to assess progress and revise priorities and directions**
- **Slots in plan for “something new” (D tasks) on the horizon**
- **This presentation is to solicit your views.....**



Current Status

- **Distributed Interactive Multi-media Architecture (3 people)**
- **Federation and Automation (2+2 people)**
- **Open Information Systems(4 people)**
- **(Standards) (1 person)**
- **(Technology Transfer) (1 person)**



DIMMA

- re-engineering and extending CORBA especially for telecoms
 - TINA-C DPE hasn't happened
- Framework ORB
 - Plug and play with protocols, binding mechanisms, real-time extensions, transparencies etc
- Better API
 - streams, signals, explicit binding, conformance-based subtyping
- Lots of interest, lots to do
 - associated projects (Retina, DCAN)
 - helping ORB vending sponsors



Federation and Automation

- **Interception - creating and managing bridges as a side-effect of trading**
- **Overall architecture for object life cycle - role of repository**
- **Abstract Syntax Tree for technology neutral repositories and automated code generation**
- **Link to DIMMA API and supporting services**
- **Look at wider scope for use of meta-data in making systems more “self-adapting”**
- **Link to open information systems**



Open Information Systems

- **APIs (c.f. GUIs) for the WWW**
- **Investigating role of trading for logical naming of services**
- **Investigating infrastructure for open systems agents**
- **Links to federation and automation**



On The Back Burner....

- **Dependability**
- **Events**
- **Security**



Suggestions for D Tasks

- Accomodate DIMMA expansion and ensure delivery of robust proof of concept
- Legitimize tools and repository aspect of DIMMA, especially interception and typing
- Continue with WWW - CORBA integration “network linking and embedding” as foundation for work on agents and scripts
- Allow meta information strand to develop and report back
- Leave dependability
 - good ISA legacy
 - emerging link to BROADCAST Basic Research Action
- Keep “lightweight networks” and “consumer gadgets” in mind