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## **ANSA Phase III**

# **Federation TC overview**

**fedtg**

### **Abstract**

This document illustrates the plan, major themes and deliverables for the work on federation in ANSA Phase III.

This set of slides accompanies the Federation manifesto (APM.1100) and are used for TC meeting on 2 and 3 March 1994.

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APM.1154.00.03

**Draft**

25 February 1994

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

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**Distribution:**

**Supersedes:**

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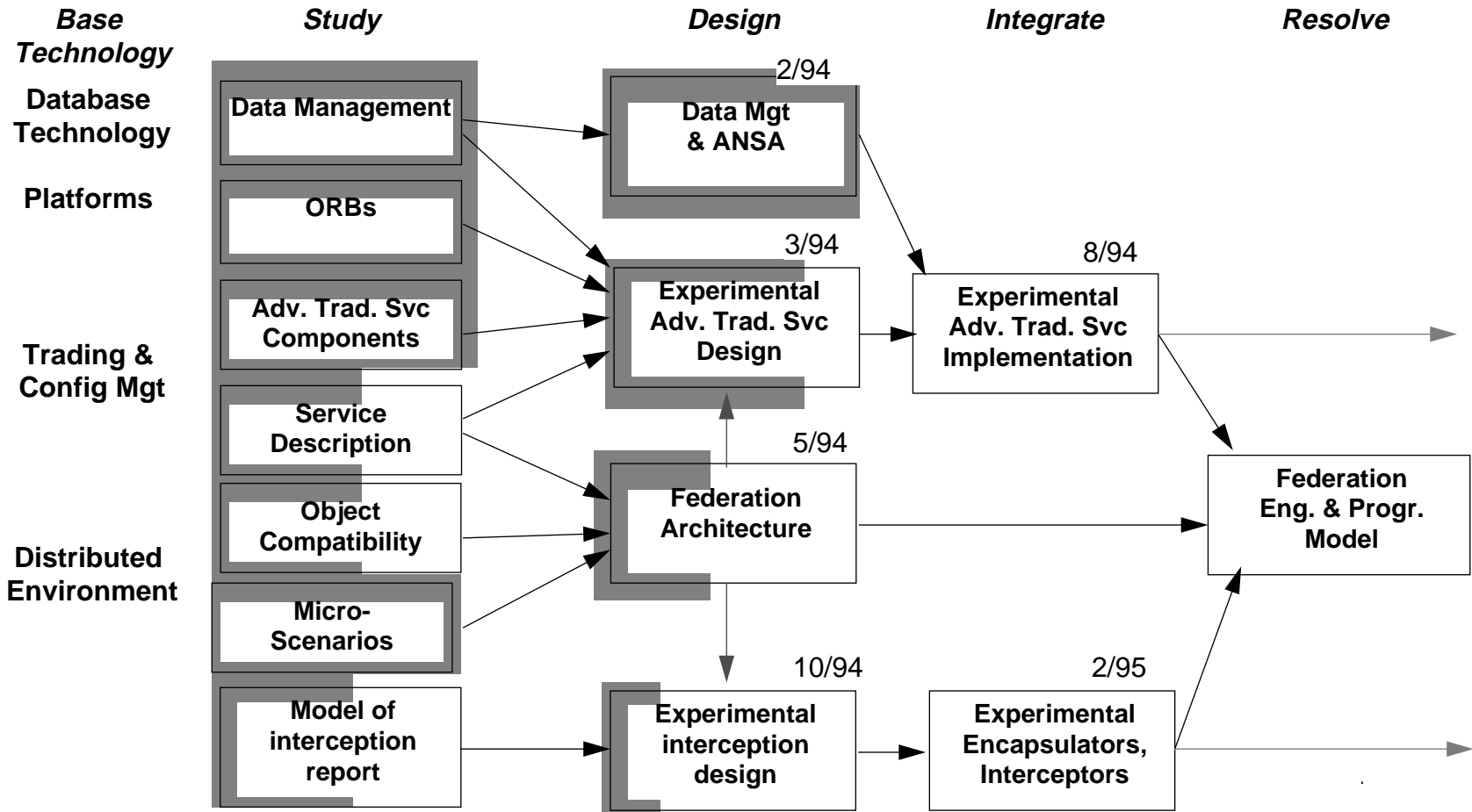


# Overview of the Federation Tasks

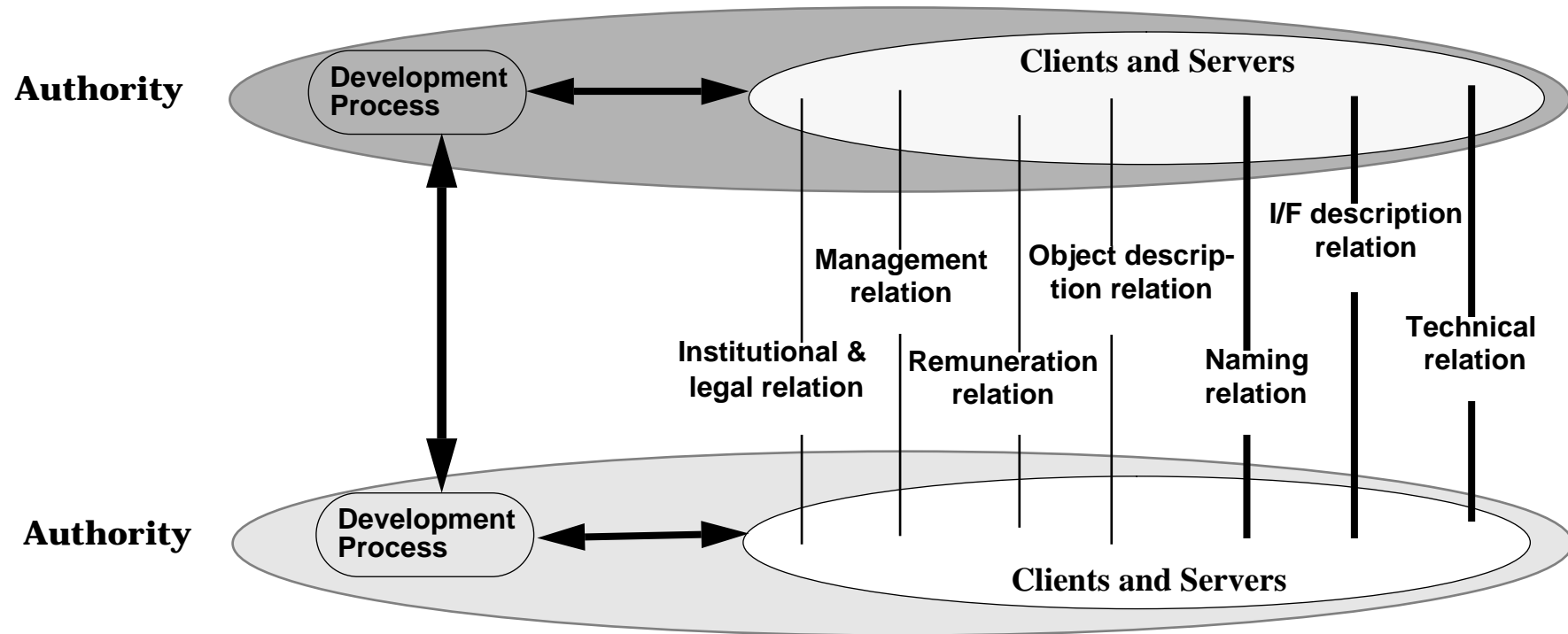
(Work in Progress Report)

## Federation Group

### March 1994



# General approach





## Major Themes

- **DIALOGUE AND NEGOTIATION:**
  - **between organizations in all epochs:  
institutional, remuneration, administrative and technical approaches**
- **INTERACTION:**
  - **technological, naming/semantic and object description aspects**
- **DISTRIBUTED DEVELOPMENT PROCESS:**
  - **design and development:  
in different organizations, at different times, using different tools and environments**
- **MANAGEMENT:**
  - **of objects and resources to deliver quality of service across domain boundaries**



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## **Federation manifesto: 1100.00.08**

- **the need for federation**
- **boundaries in federated systems**
- **dealing with boundaries**
- **interception**
- **the trading model**
- **prototype trader design**
- **data management**
- **micro-scenarios**
- **summary of planned work**



## **Boundaries and Interception**

- **Micro-scenarios report (1095) (F1, F3) *February 1994***
  
- **Boundaries and domains: Report on managing federation (F1) *May 1994***
  
- **Interceptors**
  - **Report on model of interception (F1) *May 1994***
  
  - **Report on design of prototype(s) (F4) *October 1994***
  
  - **Implementation(s) of prototype(s) (F4) *February 1995***





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## Trading revisited

- **Enhanced trading service:**
  - **Report on enhanced trading model (1091, 1140) (F1) *March 1994***
  - **Report on functional specification for trader (1110) (F3) *March 1994***
  - **Report on design of prototype trader (F3) *March 1994***
  - **Implementation of prototype trader (F3) *August 1994***
- **Data management:**
  - **Remote Database Queries in OO Distributed Systems (1138) (F3) *February 1994* submission to VLDB '94**
  - **Data Management for an enhanced Trader (1162) (F3) *February 1994* submission to Conference on Applications of Databases (Sweden)**
- **Information analysis report (F1) *June 1994***