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## **ANSA Phase III**

# **ANSA TC 1294: progress report slides**

**Rob van der Linden**

### **Abstract**

Progress report to the ANSA Technical Committee at their meetings on 6 and 7 December 1994.

This report covers the first quarter of the ANSA Phase 3 project (the three month period from September 1994 to end November 1994) and includes "project to date figures" for year 2.

At the last Management Committee meeting (in September 1994) a new work plan was approved. This is the first report against the plan, which was approved by the Management Committee in September 1994.

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APM.1374.01

**Approved**

8th December 1994

Project Management (confidential to ANSA consortium for 2 years)

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**Distribution:**

**Supersedes:**

**Superseded by:**





**Phase III**  
**Progress Report**  
**September 1994 - November 1994**  
**to the ANSA Technical Committee**  
**6 and 7 December 1994**

**Rob van der Linden**

- **Effort and Staffing**
- **Progress and Plans**
- **Risks and Issues**



## Effort by work package

Activity	This period (9/94 - 11/94)			Effort to date (9/94 - 11/94)		
	Actual	Plan	Delta	Actual	Plan	Delta
A TechXfer	1.4	3.0	(1.6)	1.4	3.0	(1.6)
A Stds	2.1	3.0	(0.9)	2.1	3.0	(0.9)
A Eval	1.3	3.0	(1.7)	1.3	3.0	(1.7)
B Services	7.7	6.0	1.7	7.7	6.0	1.7
C DIMM	5.4	3.0	2.4	5.4	3.0	2.4
C L/c & rep	7.7	12.0	(4.3)	7.7	12.0	(4.3)
SS	1.5	1.0	0.5	1.5	1.0	0.5
CA	3.1	3.0	0.1	3.1	3.0	0.1
PD	2.6	3.0	(0.4)	2.6	3.0	(0.4)
<b>Totals</b>	<b>33.0</b>	<b>37.0</b>	<b>(4.0)</b>	<b>33.0</b>	<b>37.0</b>	<b>(4.0)</b>

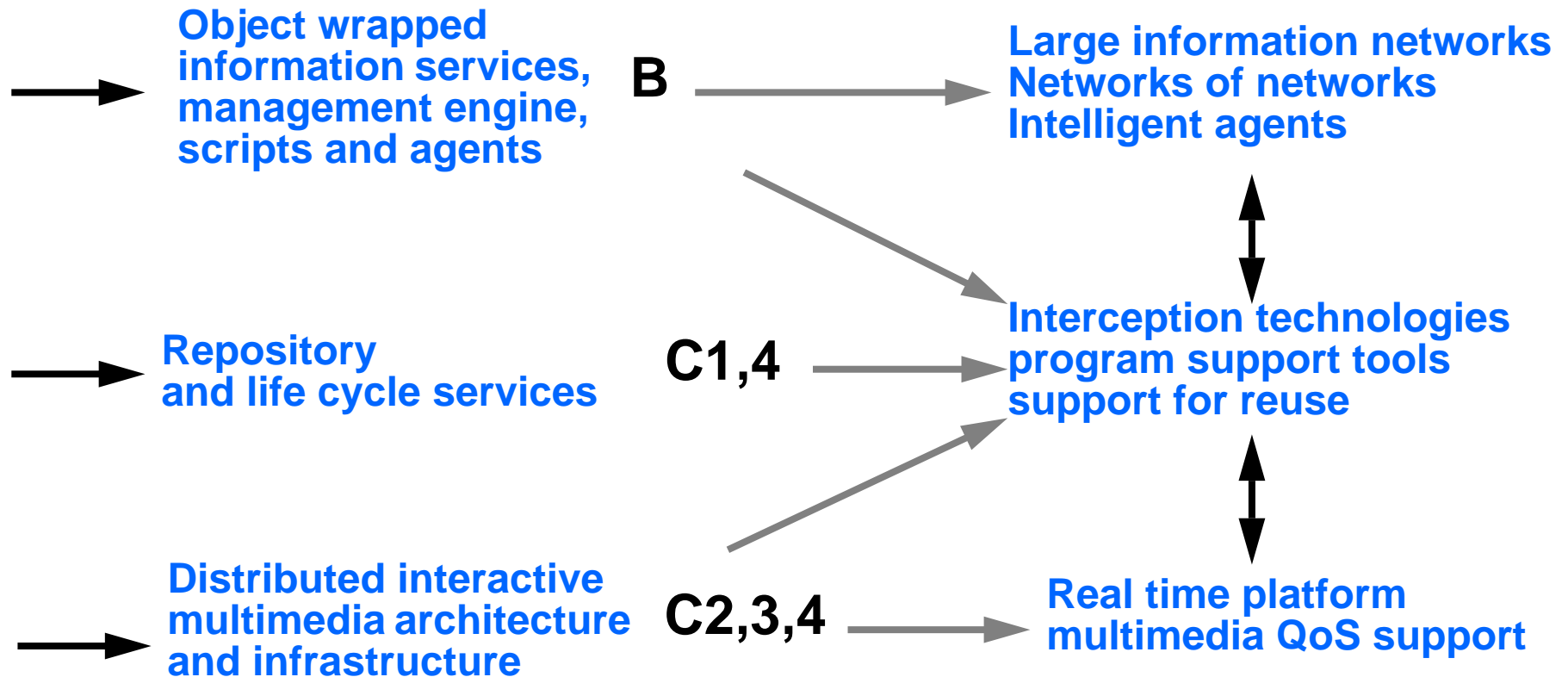


## Staff movements

- **End August:**
  - Jane Cameron and Gomer Thomas went back to Bellcore
- **End September:**
  - John Warne went back to BNR
- **New staff at the start of November:**
  - Ashley McClenaghan
  - Ben Crawford
- **New staff at the start of December:**
  - Youcef Laribi
- **New staff expected at start of January:**
  - Mark Madsen



## Current ANSA Phase 3 tasks





## Progress A tasks (1)

- **Technology transfer**
  - **Barclays: contacts to start Dec 94**
  - **Bellcore: Stu Feldman (TINA) visited us**
  - **Bellcore: Web based MatchMaking service access and use**
  - **BNR: ODS nucleus review completed**
  - **BT workshop to aid technology transfer agreed for March 1995**
  - **GPT: Malcolm Vanston-Rumney ported ANSAware/RT to LynxOS**
  - **GPT: possible IN joint project to accelerate scripts and agents work**
  - **HP: link to US strengthened by NJE and GXL presentations**
  - **HP: visits to team in September**
  - **ICL: November Technical Journal has three articles on ANSA work**
  - **IONA: we cannot use Orbix' internal interface for /RT work**
  - **PRISM: review of TransIP project**
  - **Telefonica: agreed to take up mutual results in 1995**



## Progress A tasks (2)

- **Evaluation**

- Iona Orbix 1.2 and 1.3beta completed
- PostModern Computing ORBeline completed
- Xerox (free) ILU is on hold awaiting a bug fix in the C++ stub compiler
- ICL DAIS 2.1 pre-release expected any time now
- negotiations with DEC to obtain Object Broker 2.5 were delayed by NDA
- Made request to Expersoft





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## Progress A tasks (3)

- **Standards**
  - Heavy commitment to ORB2 chair: AJW full time
  - Mostly behind the scenes work to get everyone to vote
  - MicroSoft paid for a trip to US to help them adjust to OMG culture
- **To come:**
  - ODP meetings in January
  - Less OMG involvements in the next quarter



## Progress B tasks: Services

- **APM. 1306: Information Services Framework**
  - the detailed plan
- **Trader front-end on WWW completed**
- **HTML form for arbitrary CORBA services under investigation**
- **CORBA IDL compiler for the World Wide Web under construction**
  - SUN front end available
  - build your own back-end (for WWW)
- **WWW naming issues**
  - participate in discussions, giving directions and influencing
  - **APM.1282: The name of the resource**



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## Progress C tasks: Distributed Interactive Multimedia

- **APM.1295: An overview of the Distributed Interactive Multimedia Architecture**
  - the detailed plan
- **Familiarisation with ORBIX, C++ and GNU autoconf**
- **Binding Model (APM.1239) and Streams & Signals (APM.1108)**
  - Review process completed: now for TC approval
  - Binding model made available to UK QoS standards group
- **Coding of new nucleus is underway**
  - first cut library of classes for capsule, object and interface
  - experiments with termination and exception handling
  - bugs and inconsistencies in C++ implementations detected & reported



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## Progress C tasks: Life cycle and repository

- **APM.1342: An Overview of the Description and Distribution Services**
  - the detailed plan
- **Completion of F3: for approval at this TC**
- **Matchmaking service ported to Orbix 1.3beta (shared libs)**
- **Model of interception**
  - linked with relocation and binding
  - considers passing interface references in heterogeneous environments
  - prototyping started
- **AST design completed; type inferencing work underway**



## Staffing Plan

	Dec 94 - Feb 95			Mar 95 - May 95			Jun 95 - Aug 95		
	Plan	Avai	Delta	Plan	Avail	Delta	Plan	Avail	Delta
<b>person months</b>	<b>48</b>	<b>42.5</b>	<b>(5.5)</b>	<b>56</b>	<b>50.5</b>	<b>(5.5)</b>	<b>58</b>	<b>53.5</b>	<b>(4.5)</b>
<b>staff members</b>	<b>16</b>	<b>14.2</b>	<b>(1.8)</b>	<b>18.6</b>	<b>16.8</b>	<b>(1.8)</b>	<b>19.3</b>	<b>17.8</b>	<b>(1.5)</b>



## Planned effort by WP

Activity	Dec 94 - Feb 95			Mar 95 - May 95			Jun 95 - Aug 95		
	Planned	Avail	Delta	Planned	Avail	Delta	Planned	Avail	Delta
A TechXfer	4	2	(2)	6	4	(2)	6	4	(2)
A Stds	3	2	(1)	3	2	(1)	3	2	(1)
A Eval	3	2	(1)	3	2	(1)	3	2	(1)
B Services	13	11	(2)	19	18	(1)	21	21	0
C DIMM	8	9	1	18	18	0	3	3	0
C L/c & rep	10	10	0	0	0	0	D: 15	15	0
SS	1	1	0	1	1	0	1	1	0
CA	3	3	0	3	3	0	3	3	0
PD	3	2.5	(0.5)	3	2.5	(0.5)	3	2.5	(0.5)
<b>Totals</b>	<b>48</b>	<b>42.5</b>	<b>(5.5)</b>	<b>56</b>	<b>50.5</b>	<b>(5.5)</b>	<b>58</b>	<b>53.5</b>	<b>(4.5)</b>



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## Risks and Issues

- **Recruitment needs to continue**
- **Secondments are desirable**
- **Technology transfer programme needs development**
  - **projects, workshops, tailored to individual companies**
  - **separate agenda item this meeting**



## Summary

- **We are slightly behind target**
- **We remain understaffed**
  - **Just back up to strength we had during the Summer**
  - **Secondee numbers have dropped to two only**
- **Prototyping is underway in all areas**
- **OMG UNO has passed**