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**Poseidon House  
Castle Park  
Cambridge CB3 0RD  
United Kingdom**

TELEPHONE:  
INTERNATIONAL:  
FAX:  
E-MAIL:

**Cambridge (0223) 323010  
+44 223 323010  
+44 223 359779  
apm@ansa.co.uk**

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## **ANSA Phase III**

# **ANSA MC 1093: progress report slides**

**Rob van der Linden**

### **Abstract**

This document contains the slides used for the report of progress to the ANSA Phase III Management Committee. It covers the period 1/6/93 to 31/8/93. The addition of year to date figures makes it also the first 6 monthly report.

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**Draft**

29 October 1993

Project Management (confidential to ANSA consortium for 2 years)

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**Distribution:**

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# **Phase III Management Progress Report June, July and August 1993**

**Rob van der Linden**

- **Finance**
- **Effort and Staffing**
- **Progress and planned work**
- **Risks and Issues**



## Finance

Spend (Sterling)	previous period (3/93 - 5/93)	this period (6/93 - 8/93)	YTD (3/93 - 8/93)
Target income (flat: 94 k/month)	282,000	282,000	564,000
Actual income	293,461	270,539	564,000
Actual cost	234,238	239,491	473,729
under/over spend	59,223	31,048	90,271



## Effort (hours)

Effort	previous period (3/93 - 5/93)			this period (6/93 - 8/93)			YTD (3/93 - 8/93)		
	APM	Sec's	Total	APM	Sec's	Total	APM	Sec's	Total
Target:	3300	2612	5912	3300	3438	6738	6600	6050	12650
Actual:	3384	2010	5394	4012	1662	5674	7396	3672	11068
Delta:	84	(602)	(518)	712	(1776)	(1064)	796	(2378)	(1582)



## Effort (person months)

Activity	Prev. period (3/93 - 5/93)	This period (6/93 - 8/93)			Year To Date (3/93 - 8/93)		
	Actual	Actual	Plan	Delta	Actual	Plan	Delta
DEP	12.6	10.9	12.5	- 1.6	23.5	25.0	- 1.5
PERF	9.4	10.0	14.0	- 4.0	19.4	24.0	- 4.6
FED	5.5	8.0	7.5	0.5	13.5	16.0	- 2.5
AT	2.5	2.0	6.0	- 4.0	4.5	9.0	- 4.5
STDS	3.2	2.2	1.5	0.7	5.4	3.0	2.4
CA	2.3	2.5	3.0	- 0.5	4.8	6.0	- 1.2
PD	3.7	3.3	4.5	- 1.2	7.0	9.0	- 2.0
OH & SCE	0.0	3.1	0.0	-3.1	3.1	0.0	3.1
<b>Totals</b>	<b>39.2</b>	<b>42.0</b>	<b>49.0</b>	<b>- 7.0</b>	<b>81.2</b>	<b>92.0</b>	<b>- 10.8</b>



## Effort - in terms of team members

TARGETS	M	A	M	J	J	A	S	O	N	D	J	F
APM	8	8	8	8	8	8	8	8	8	8	8	8
Sec's	6	6	7	7	9	9	9	9	9	9	9	9
Total	14	14	15	15	17	17	17	17	17	17	17	17

ACTUALS	M	A	M	J	J	A	S	O	N	D	J	F
APM	7	7.5	9.5	9.5	8.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Sec's	5	5	4	4	4	4	6	6	6	6	6	6
Total	12	12.5	13.5	13.5	12.5	13.5	15.5	15.5	15.5	15.5	15.5	15.5



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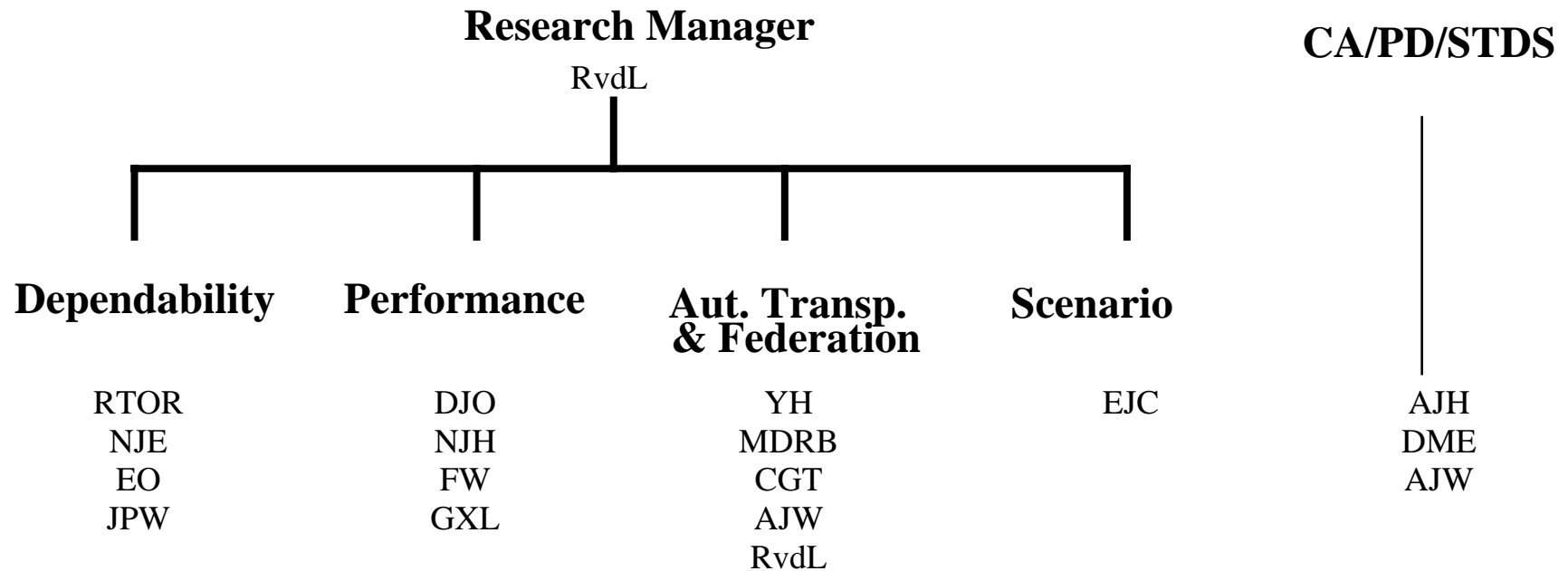
## Summary of staffing issues

- **Balance [APM staff: Secondees] now [1.6 : 1]\* instead of [1 : 1] as planned**
- **APM staff situation:**
  - **Guangxing Lee started in August**
  - **APM now has 9.5 staff instead of planned 8**
- **Secondee situation:**
  - **Jane Cameron and Gomer Thomas (Bellcore) started in September**
  - **From September we have 6 secondees instead of the planned 9**
- **Projection over first 12 months: staff size 14.2 vs planned 16 seats**





# Team organisation





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## Highlights

- **Performance framework agreed and on schedule for delivery of P0001**
- **Failure model in final review and on schedule for delivery of D0001**
- **ISO ODP**
  - wide spread agreement to progress ODP RM to DIS
  - major focus on aligning ODP Trader with ANSA and OMG (with BT and BNR)
- **OMG CORBA 2.0 and JOSS are strongly aligned with ANSA and ODP**
- **TINA-C cooperation yields results**
- **Scenario development has focussed team and technology transfer activities**



## Progress: Dependability Group

- **Work done / in progress:**
  - **Failure Model: WIP presentation to TC 11/93 & on target for delivery 12/93 (D0001)**
  - **Engineering model for dependability: WIP presentation to TC 11/93 (D0003)**
  - **Programming model for dependability (D0002)**
    - **Transactions: rule and constraint based programming (WIP presentations to TC 8/93 and 11/93 - D0002/3)**
    - **Mobility and configuration: what should be visible and how?**
- **Work planned:**
  - **Application of the failure model (D0001)**
  - **Management model for dependability (D0002)**
  - **Transactions: High level design proposal (D0002/3)**
  - **Tool support (D0002/A0008)**



## Progress: Performance Group

- **Work done / in progress:**
  - Performance Framework agreed and on schedule for delivery 11/93 (P0001) report to TC 11/93
  - Programming model: WIP presentation to TC 11/93 (P0002)
  - Engineering model: high level design WIP presentation to TC 11/93 (P0003)
  - Built OSF/1 and port of ANSAware POSIX threads completed (A0005)
  - Visited CNET
  - Reviewed BNR nucleus requirements
- **Work planned:**
  - Merge RIDE with ANSAware POSIX over OSF/1 (A0005)
  - Extension of ANSA Computational Model (P0002)
  - Programming extensions and tools (P0002)
  - Resource management (P0003)
  - Nucleus redesign (P0003/A0004)



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## **Progress: Federation & Automated Transparency Group**

- **Successful merge has created the required critical mass**
- **Work done / in progress:**
  - **Paper for ACM POPL IDL workshop completed (F0001)**
  - **A model for distributed re-use and federation: WIP presentation to TC 11/93 (A0001)**
  - **Object compatibility in distributed systems: WIP presentation to TC 11/93 (F0001)**
  - **Completed review of Corba “compliance” for first 3 products: Orbix, ACAS, DOME WIP report to TC 11/93 (F0001)**
  - **Survey of 20 s/w tools: WIP report to TC 11/93 (A0001/2)**
  - **Review of OMG JOSS: WIP report to TC 11/93 (A0003/F0001)**
  - **Suspend programming model for federation for the moment (F0002)**
- **Work planned:**
  - **Develop service contract schemata (F0001)**
  - **Design advanced trading facilities using standard database technology, SQL, OMG repositories, browsing tools, and type checkers (F0003/A0002)**
  - **Analyse issues in linking design tools to operational systems (A0003)**



## Progress: planned delivery dates

Group	Result	Plan	Last rev.	Revised
Dependability	D0001	12/93	-	-
	D0002	11/93	-	5/94
	D0003	5/94	-	-
Performance	P0001	10/93	11/93	-
	P0002	11/93	12/93	1/94
	P0003	6/94	-	-
Automated Trans- parency	A0001	8/93	11/93	-
	A0002	1/94	-	5/94
	A0003	8/94	-	12/94
Federation	F0001	12/93	-	-
	F0002	7/93	2/94	1995
	F0003	6/94	-	-



## Progress: Standards

- **RM - ODP**
  - **Critical review of ODP Part I (Overview / Tutorial)**
  - **Trader:**
    - reviewed trader document
    - assisted in writing UK trader contribution
  - **Planned:**
    - complete ballot comments ODP RM
    - continue to monitor ODP Part I
    - fast tracking OMG CORBA and Object Services
    - take part in discussion on new work items for ODP dependability and real time frameworks
  
- **OMG**
  - **direct influence less than expected but compensated for by indirect influence (naming, trading, comparing object Id's, but no acknowledgement of ANSA)**
  - **OMG liaison with ISO/ODP**
  - **Planned:**
    - continue ORB 2.0 chairmanship
    - JOSS type issues: presentation in February 1994
    - opportunity for our security experts to influence Object Services in 1994



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## Progress: Other items

- **Work done / in progress:**
  - **New equipment from HP:**
    - three 715/50 workstations and one 720/50 server are being moved to Cambridge
    - HP/RT equipment specification is pending further scenario development
  - **Scenario: reported separately**
- **Work planned:**
  - **visit to TINA-C in January 1994 to discuss dependability and performance issues**
  - **“ANSA works!” workshop in March 1994 to deliver 1993 results**
  - **Special issue of IEEE Communications (1995) to deliver 1994 results**
  - **We recommend to increase our electronic presence (anon FTP, World Wide Web) to support board room contacts with grass roots visibility**
    - > **requires improved hardware support and 1 staffmonth of effort**





## Risks and Issues

- **Staff:**
  - shortage of 1.5 seats means progress is not as planned
- **Equipment:**
  - nothing to report
- **Sponsor liaison**
  - sponsor review teams display sporadic activity
  - technical input during scenario discussions was sketchy
  - consultancy not taken up equally by all sponsors
- **Delivery fora:**
  - ODP dependability and performance frameworks need initiating
  - accelerate ISO Trader since OMG has deferred this to avoid conflict
  - security work in upcoming object services call