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ANSA Phase III

ANSA MC 0194: progress report slides

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Abstract

This document contains the slides used for the report of progress to the ANSA Phase III Management Committee on 12 January 1994. It covers the period 1/9/93 to 30/11/93 and includes year to date figures.

APM.1115.00.02

Draft

17 January 1994

Project Management (confidential to ANSA consortium for 2 years)

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Phase III Management Progress Report

September, October and November 1993

Rob van der Linden

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



Finance

Spend (Sterling)	previous period (3/93 - 8/93)	this period (9/93 - 11/93)	YTD (3/93 - 11/93)
Target income (flat: 94 k/month)	564,000	282,000	846,000
Actual income	564,000	282,000	846,000
Actual cost	473,729	303,893	777,622
under/over spend	90,271	21,893	68,378



Effort (hours)

Effort	previous period (3/93 - 8/93)			this period (9/93 - 11/93)			YTD (3/93 - 11/93)		
	APM	Sec's	Total	APM	Sec's	Total	APM	Sec's	Total
Target:	6600	6050	12650	3300	3712	7012	9900	9762	19662
Actual:	7396	3672	11068	4553	2680 ^a	7233	11949	6352	18301
Delta:	796	(2378)	(1582)	1253	(1032)	221	2049	(3410)	(1361)

a. corrected for 92 hours missed last period



Effort (person months)

Activity	Prev. period (3/93 - 8/93)	This period (9/93 - 11/93)			Year To Date (3/93 - 11/93)		
	Actual	Actual	Plan	Delta	Actual	Plan	Delta
DEP	23.5	13.2	11.0	2.2	36.7	36.0	0.7
PERF	19.4	11.7	9.0	2.7	31.1	33.0	(1.9)
FED	13.5	9.6	7.0	2.6	23.1	23.0	0.1
AT	4.5	2.7	12.0	(9.3)	7.2	21.0	(13.8)
STDS	5.4	1.7	3.0	(1.3)	7.1	6.0	1.1
CA	4.8	3.3	3.0	0.3	8.1	9.0	(0.9)
PD	7.0	4.1	6.0	(1.9)	11.1	15.0	(3.9)
OH & SCE	3.1	5.7	0.0	5.7	8.8	0.0	8.8
Totals	81.2	51.9	51.0	0.9	133.2	143.0	(9.9)



Effort - in terms of team members

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

ACTUALS	J	J	A	S	O	N	D	J	F	M	A	M
APM	9.5	8.5	9.5	9.5	9.5	9.5	9.5	10.5	10.5	10.5	10.5	10.5
Sec's	4	4	4	5	6	6	6	6	6	6	6	6
Total	13.5	12.5	13.5	14.5	15.5	15.5	15.5	16.5	16.5	16.5	16.5	16.5

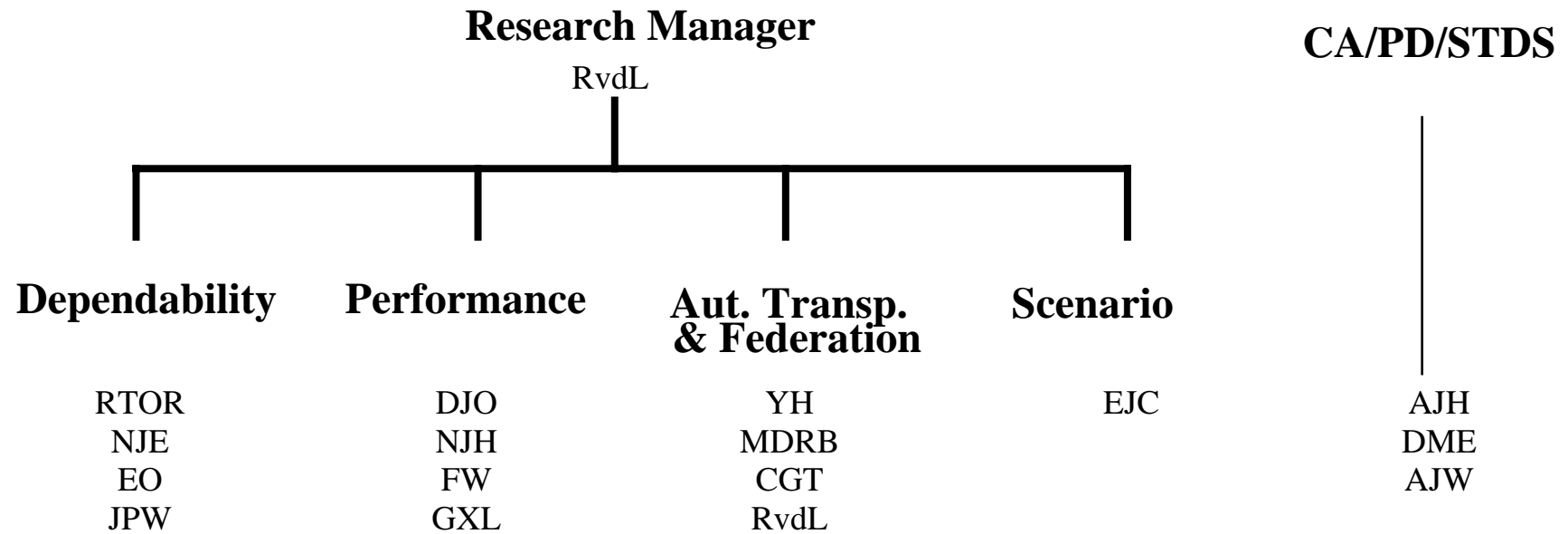


Summary of staffing issues

- **Balance [APM staff: Secondees] remained [1.6: 1] instead of [1: 1]**
- **APM staff situation:**
 - **Team strength still 1.5 staffmonths/month under planned level**
 - **Overtime made up for the shortfall**
- **Secondee situation:**
 - **Jane Cameron and Gomer Thomas (Bellcore) started in September**
 - **From September we had 6 secondees instead of the planned 9**
- **Projection over first 12 months: staff size 14.4 vs planned 16**



Team organisation





Highlights

- **P0001: Performance framework agreed and delivered (-> TC 03/94)**
- **D0001: Failure model agreed and delivered (-> TC 03/94)**
- **A0001/F0001: on schedule at end November**
- **TINA-C cooperation**
 - **joint work item: preprocessors and AST being negotiated**
 - **joint workshop planned for Jan. 1994 (Dep. and Perf. group members to attend)**



Progress: Dependability Group

- **D0001: Failure Model agreed and delivered**
 - Pending formal approval of APM.1027, 1046, 1062 and 1073 (TC 03/94)
- **D0002: Programming model for dependability**
 - Transactions: rule and constraint based programming (WIP presentation TC 11/93)
 - Scenario and application of the failure model (APM.1096): requirements on infrastructure (engineering) and programming models
 - Work on type system extensions planned
- **D0003: Engineering model for dependability**
 - WIP presentation (APM.1044) to TC 11/93
 - Transactions: High level design proposal in progress
- **A0008/D0002:**
 - Tool support (planned)



Progress: Performance Group

- **P0001: Performance Framework agreed and delivered**
 - Pending formal approval of APM.1051 (TC: 03/94)
- **P0002: Programming model:**
 - WIP presentation to TC 11/93: APM.1059 “R/T Programming Model for Corba”
 - Computational Model extensions: APM.1108 “Streams and Signals” (mid Feb. 94)
 - Explicit binding model: APM.1094 “ANSA QoS Extensions” (end Jan. 94)
- **P0003: Engineering model:**
 - Resource management issues: “An Open Architecture for Real-Time: Engineering Aspects”
 - WIP presentation to TC 11/93
 - APM.1072 (end May 1994)
 - Exploratory engineering model work planned
- **A0004/5:**
 - ANSAware POSIX completed (over OSF/1): prototype available
 - Merge RIDE with ANSAware POSIX over OSF/1 in progress
 - Nucleus redesign planned



Progress: Federation & Automated Transparency Group

- **F0001: Federation manifesto:**
 - Paper for ACM POPL IDL workshop was rejected (too many contributions)
 - Object compatibility: WIP presentation to TC 11/93
 - Completed review of Corba “compliance” (Orbix, ACAS, DOME); report TC 11/93
 - Review of OMG JOSS WIP report to TC 11/93
- **F0003/A0002:**
 - Service contract schemata under development
 - APM.1091 “Advanced Trading”
 - Advanced trading facilities using standard database technology, SQL, OMG repositories, browsing tools, and type checkers planned
- **A0001: Approaches to automated transparencies:**
 - APM.1100 in progress
- **A0002: Structuring applications for distribution:**
 - Distributed reuse: WIP presentation to TC 11/93
 - Survey of 20 s/w tools: WIP report to TC 11/93
- **A0003: Automated transparencies architecture**
 - Analyse issues in linking design tools to operational systems planned

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	1/94	5/94 ^a
	P0003	6/94	-	-
Automated Trans- parency	A0001	8/93	11/93	2/94
	A0002	1/94	5/94	-
	A0003	8/94	12/94	-
Federation	F0001	12/93	-	2/94
	F0002	7/93	1995	-
	F0003	6/94	-	8/94

a. depending on effort diverted to TINA



Progress: ISO/CCITT

- **Trader**
 - document modified as per critique
 - BNR/APM model strengthened (Turin Nov. 1993)
 - still work to do: Southampton June 1994
- **RM-ODP**
 - Part 1: reduced as suggested in our comments
 - Part 3: ballot comment preparation and e-mail discussions
 - next editing meeting Feb. 94 Geneva
- **Issues:**
 - planning future work: frameworks and components
 - ANSA team involvement?



Progress: OMG

- **ORB chair**
 - **mostly organisational and administrative work in this period**
- **Security SIG**
 - **comments on OMG White Paper on Security (draft 0.0 Nov. '93)**
- **Planned:**
 - **JOSS type issues presentation February 1994**
- **Issues**
 - **Focus shift from object services to Common Facilities**
 - **Future involvement of ANSA Team?**



Scenarios Progress Report Internal (ANSA team)

- **Dependability**
 - **Scenario: Information Publishing**
 - **Document: In progress**
- **Performance**
 - **Scenario: Data Transfer**
- **Federation/Transparencies**
 - **Scenario: 42 micro-scenarios**
 - **Document: In progress**



Scenario Progress Report External (Sponsor projects)

- **Bellcore: Workflows - Krishnakumar; Advanced Trading Service - Gita Gopal**
- **BNR: Addressing Endpoints - Dave Oliver**
- **BT: Data Islands - Steve Proctor**
- **CNET: TBS - Jean-Bernard Stefani**
- **GEC: TBS - Dave Thewlis**
- **GPT: Service Creation - John Evans**
- **HP: Broadband Services - Paul Vickers**
- **ICL: BPR tools & Dist. Systems - Bob Snowden; email(?) - Chris Phoenix**



Progress: Other items

- **Work done / in progress:**
 - **New equipment from HP is being set up**
 - **ANSAware 4.1.1 prototype with “proper” threads available (no general distribution)**
 - **ANSAware 4.1.1: adds ports to HP-UX9, OSF/1**
 - **World Wide Web pilot is being examined for its security**
- **Work planned:**
 - **visit to TINA-C in January 1994 to discuss dependability and performance issues**
 - **“ANSAworks!” workshop in April 1994**
 - **Special issue of IEEE Communications (1995) to deliver 1994 results**
 - **anonymous FTP and FTP access to ANSAware**



Risks and Issues

- **Staff:**
 - shortage of staff less severe: we were able to claw back a little
- **Originally “unplanned” effort:**
 - equipment installation is taking toll
 - TINA interaction is good: invested effort is being tracked
 - scenario development
- **Sponsor liaison**
 - remains “slow” in Review Teams
- **Delivery fora:**
 - ODP future work
 - OMG future work
 - TINA commitment