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ANSA Phase III

ANSA TC 0394: progress report slides

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Abstract

Progress report to the Technical Committee on 2 March 1994.

This report is based on the progress report to the Management Committee (January 1994), documented in APM.1115.01.

APM.1167.01

Approved

14 March 1994

Project Management (confidential to ANSA consortium for 2 years)

Distribution:

Supersedes:

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Phase III Progress Report

September 1993 - January 1994

**to the ANSA Technical Committee
March 1994**

Rob van der Linden

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



Effort (person months)

Activity	Prev. period (3/93 - 8/93)	This period (9/93 - 1/94)			Year To Date (3/93 - 1/94)		
	Actual	Actual	Plan	Delta	Actual	Plan	Delta
DEP	23.5	19.1	15.8	3.3	42.6	40.8	1.8
PERF	19.4	17.5	10.8	6.7	36.9	34.8	2.1
FED/AT	18.0	19.6	38.3	(18.7)	37.6	63.3	(25.7)
STDS	5.4	3.0	5.0	(2.0)	8.4	8.0	0.4
OH & SCE	3.1	6.2	0.0	6.2	9.3	0.0	9.3
TINA Txfer	0.0	2.2	0.0	2.2	2.2	0.0	2.2
TINA DPE	0.0	0.1	0.0	0.1	0.1	0.0	0.1
CA	4.8	4.7	5.0	(0.3)	9.5	11.0	(1.5)
PD	7.0	5.8	10.0	(4.2)	12.8	19.0	(6.2)
Totals	81.2	78.2	84.9	(6.7)	159.4	176.9	(17.5)



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	9.5	9.5	9.5
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	15.5	15.5	15.5



Progress: delivery dates (12/1/94)

Group	Result	Plan	Delivered	Last rev.	Revised	new est.
Dependability	D0001	12/93	12/93	-	-	n/a
	D0002	11/93		5/94	-	6, 9, 12 /94
	D0003	5/94		-	-	6, 9, 12 /94
Performance	P0001	10/93	11/93	11/93	-	n/a
	P0002	11/93		1/94	5/94 ^a	
	P0003	6/94		-	-	8/94
Automated Transparency	A0001	8/93		11/93	2/94	6/94
	A0002	1/94		5/94	-	6/94
	A0003	8/94		12/94	-	
Federation	F0001	12/93		-	2/94	4/94
	F0002	7/93		1995	-	
	F0003	6/94		-	8/94	

a. depending on effort diverted to TINA



Progress: Dependability Group

- **D2: Programming model**
 - how to make dependable applications cheaper by exploiting knowledge about mechanisms and languages
 - plan and WIP report later this TC
- **D3: Management and Engineering model**
 - scenario: information access and publication, with notification facilities and charging/billing/accounting
 - analysis, design and prototyping to elucidate requirements and refine engineering model
 - prototypes and reports planned throughout 1994 (June, September, December)
- **D2/3 Extended Transaction Framework:**
 - High level design proposal, generalising ACID properties complete (1060)
 - Development environments (April); Workflow (June); Prototype (end 1994)



Progress: Performance Group

- **P2: Programming model:**
 - **Computational Model extensions: (1108) “Streams and Signals” (end March)**
 - **Binding model (end April): -- report later this TC**
- **P3: Engineering model:**
 - **APM.1094 “ANSA RT QoS and Engineering Extensions” (Feb.) -- report later this TC**
 - **Engineering model scope -- discussion and report later this TC**
- **P4: Programming Model for CORBA:**
 - **“A Real Time Programming Model for CORBA” -- report later this TC**
- **Prototype (P3/4):**
 - **ANSAware POSIX completed (over OSF/1): 4.1 prototype with “proper” threads available (no general distribution) - contact GXL**
 - **Merge RIDE with ANSAware POSIX over OSF/1 in progress**



Progress: Federation Group

- **F1/4: Boundaries and Interception**
 - Federation manifesto (F1)
 - Federation Architecture (F1)
 - 42 Micro scenarios (F1)
 - Interception model and prototype (F4)
- **F1/3: Enhanced Trading Service**
 - Trading model (F1) and prototype (F3)
 - Data Management (F3)
 - Information Analysis (F1/3)
- **F3: Submissions for publication:**
 - “Remote Database Queries in OO Distributed Systems” (F3) *February 1994* contribution to VLDB ‘94
 - “Data Management for an enhanced Trader” (F3) *February 1994* contribution to Conference on Applications of Databases (Sweden)



More progress (1)

- **TINA**
 - visit to TINA-C in January 1994 discussed dependability and performance issues
 - TINA DPE - ANSA AST work to be reported later this TC
 - [A1, A2 & A3 tasks delayed and linked to joint TINA work]
- **OMG**
 - security: comments on OMG White Paper on Security (draft 0.0 Nov. '93)
 - types: JOSS type issues presentation February 1994
- **RM-ODP**
 - Part 1: reduced as suggested in our comments
 - Part 2 and 3: progressed to DIS; IS expected in January 1995



More progress (2)

- **Scenario 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; Office - Chris Phoenix**
- **Others**
 - **New equipment from HP has been set up**
 - **ANSAware 4.1.1: adds ports to HP-UX9, OSF/1**
 - **World Wide Web pilot near completion**
 - **anonymous FTP and FTP access to ANSAware planned**



Risks and Issues

- **Originally “unplanned” effort:**
 - **equipment installation**
 - **TINA interaction is good: invested effort is being tracked**
 - **scenario development**
- **Sponsor liaison**
 - **remains “slow” in Review Teams**
 - **very good in “sponsor consultancy”**
- **New 2 year plan is due**
 - **obtain directions and approval from MC in April**
 - **working party to propose to TC in June, for MC approval in July**