ANSA Management Board

Andrew Herbert

9th January 1998

Agenda

- **Welcome, minutes, matters arising**

- Consortium Status

- Technical Progress Summary

- Management Report

  - Costs / Effort / Deliverables

  - 1998/9 Fees

  - FollowMe contract

- Any Other Business

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Consortium Status

- Everyone up to date with payments

- Fujitsu
  - ANSA team visited FJL in Kawasaki
  - Agreement to move to standard contract when renew in June
  - Keep private contract with APM for secondee / annual briefing

- BT
  - Review meeting first week of February

- DRA
  - Notice to leave w.e.f. May 1998.
  - WIP: Finding new champion to replace John Holmes

Changes at APM

- None!

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Overall Summary

- *FollowMe started*

  - First draft architecture document

- *FlexiNet-based Mobile Object Workbench*

  - Code on file server

- *Declarative Transactions*

  - Reflection frames in bean box demonstrated

- *Declarative binding*

  - Configuration language semantics documented

  - Negotiation framework in FlexiNet

Deliverables since last meeting

- FollowMe
  - Architecture Draft Report
  - MOW Code
  - Security Model Outline

- FlexiNet
  - Binding Language Semantics Report
  - negotiation framework code

- All available on WWW/FTP site

Presented at this TC

- E2S Final Report: *Briefing*

- FollowMe Architecture: *Summary Report*

- Mobile Object Workbench: *Design Overview*

- Mobile Agent Security: *Design Proposal*

- Declarative Transactions: *Demo and Status Report*

- Declarative Binding: *Demo and Summary Report*

- Reflection Work at Lancaster: *Invited Talk*
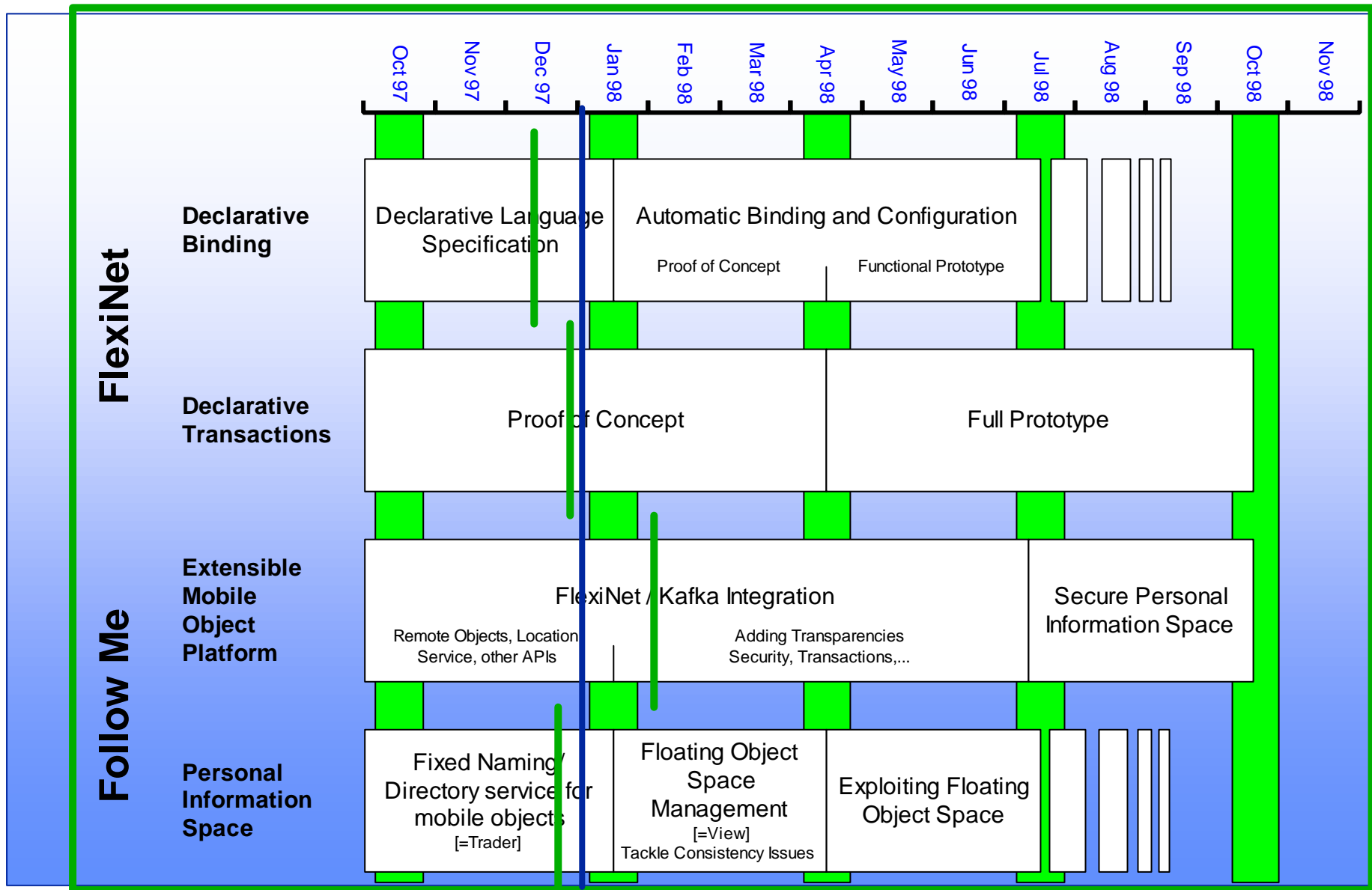
FollowMe: Next Activities

- *Architecture Final Report*
  - apply a strong dose of ANSA/ODP

- *Mobile Object Workbench*
  - documentation
  - object security
  - JAE encapsulation
  - naming / relocation

- *Persistent Information Space*
  - requirements analysis
  - design
  - initial implementation

FlexiNet: Next Activities

- IIOP for CORBA inter-operability and alternative RPC binding

- SSL sessions for security
  - need secure sessions for FollowMe
  - SSL is "standard" => works with browsers, firewalls, real certification authorities etc

- Complete declarative transactions

FlexiNet

Follow Me

	Oct 97	Nov 97	Dec 97	Jan 98	Feb 98	Mar 98	Apr 98	May 98	Jun 98	Jul 98	Aug 98	Sep 98	Oct 98	Nov 98

Declarative Binding

Declarative Language Specification

Automatic Binding and Configuration

Proof of Concept   Functional Prototype

Declarative Transactions

Proof of Concept

Full Prototype

Extensible Mobile Object Platform

FlexiNet / Kafka Integration

Remote Objects, Location Service, other APIs

Adding Transparencies Security, Transactions,...

Secure Personal Information Space

Personal Information Space

Fixed Naming / Directory service for mobile objects

[=Trader]

Floating Object Space Management

[=View]
Tackle Consistency Issues

Exploiting Floating Object Space

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Progress Exceptions

- Declarative Binding
  - need more components to populate framework
  - IIOP and SSL

- FlexiNet / Kafka
  - took route of adding mobility to FlexiNet taking ideas from Kakfa

- Naming / location system
  - 3 stage design
  - simple scheme in place
  - evolve it as applications scale up

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Costs / Effort

	September	October	November	Total	Man years
Income £	30000	30000	30000	90000	0.84
Effort hrs	897.25	1279.25	919.83	3096	1.89
Planned					1.25

- Planned effort = ANSA income + ESPRIT income

- Extra effort = Secondees (.5 my)

- Technical Staff:
  - Andrew Herbert, Richard Hayton, Zixhue Wu, Matthew Faupel, Douglas Donaldson, Mike Bursell, Takanori Ugai, Oyvind Hanssen, Will Harwood, (John Bull)

1998/9 Fees

- Project year starts in April

- Fees agreed annually

- Propose to stay at £45K

  - team of 5

  - managed by Andrew Herbert

  - administrative support from Yvonne

  - leverage FollowMe income

Deliverables

- See Technical Progress Report

- Web and FTP site updated

  - zip of each MB/TB meeting materials

  - copies of all ANSA results (phases 1, 2 & 3) online, except

  - Phase 1 Xerox documents -- paper copies in APM files

  - Only last version of e.g. ANSAware

- Previous Document Manager system worn out

  - locked to framemaker / unix

  - effectively frozen

FollowMe Contract

- **Principles of Consortium Agreement**
  - each partner owns its results and first right to exploit
  - other partners have right to use
  - fair and reasonable licensing to other partners
- FlexiNet is APM background into FollowMe
- MOW & PIS are joint ANSA / FollowMe results
- Agreement to license ANSA sponsors APM rights
  - covers results produced during sponsor's membership only
  - allows use of other partner's FollowMe results
  - decouples dependence of sponsors on APM

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AoB

- AJH Reviewer for PerDIS project
  - distributed object store for concurrent engineering
- Relationship with Control and Coordination of Complex Distributed Systems Project
- When to release DIMMA code to public?
  - What terms and conditions?
  - Use only, no redistribution
  - Licenses available for 45K
  - Must not modify interfaces, can't take parts