ANSA Technical Board

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Overall Summary

- *FollowMe*
  - Mobile Object Workbench enhancements
  - Class loading design done
  - Information Space design done
    - Links into FlexiNet architecture
  - Security implementation underway
- *FlexiNet*
  - Declarative Transactions
    - Implementation on schedule
    - Fitted into Javasoft Enterprise Java Bean framework
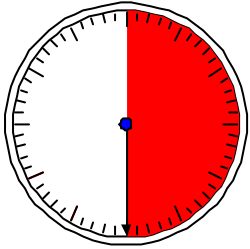 - Declarative binding
  - IIOP for FlexiNet

Papers submitted

- **Middleware '98**
  - FlexiNet and Mobile Object Workbench
  - Declarative Transactions
  - DIMMA
- **SIGOPS European Workshop**
  - FlexiNet
- **International Workshop on Mobile Agents**
  - Mobile Object Workbench

DCAN Completed

- DTI HPIP Project between APM Ltd, Cambridge University and Fore Systems

- Distributed Control of ATM Networks

- Used DIMMA for middleware

- Novel architecture for lightweight switches
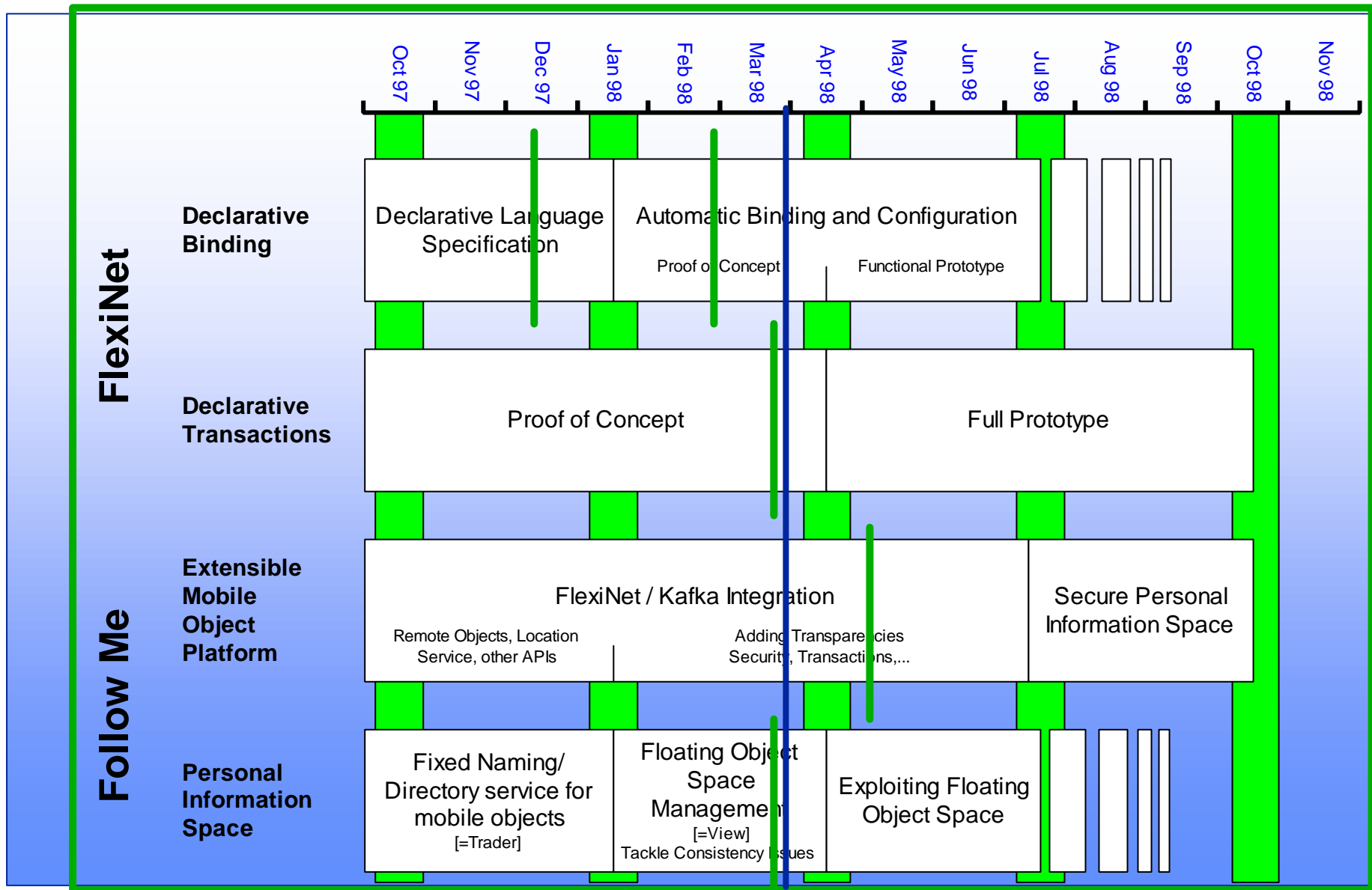
- Papers available to ANSA Sponsors

What we promised forApril 98

6 Months

- Declarative Binding
    - Automatic binder   (Proof of Concept Software)
- Declarative Transactions
    - Framework   (Proof of Concept Software)
- Mobile Object Platform
    - Extended Kafka/FlexiNet integration
    - Some transparencies   (Software)
- Personal Information Space
    - Floating Object Space   (Proof of Concept Software)

FlexiNet

Follow Me

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

Progress Exceptions

- **Declarative Binding**
  - lacks a strong scenario related to other work
  - some overlap with security policy work
  - pick up BT multicast issues?

Next Time

- FollowMe Architecture specification
- MOW mostly complete
- Beginning FlexiNet and Declarative transactions integration
- Substantial progress on persistent Information Space
- Security for mobile objects almost complete

This TB

- Guest speaker from FollowMe (FAST)
- Guest speaker from C3DS project
- Progress summaries
- Replay of rushed items from last time
- More space for questions