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Fleet Assessment Support Tool

Joint FTSCPAC/FTSCLANT
Effort to Provide Web-Enable
Documentation of Maintenance Actions

06 August 2002



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Outline

- Background
- Challenge
- Proposal
- Timeline
- Milestones
- Summary



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Background

- In the 80's and 90's several shipboard assessment programs developed software to assist in visit management and data entry.
 - AEC developed PVAT
 - CEMAT developed ROCKATS
 - SEMAT developed CSMPITS
 - INSURV developed PRISMS
- These programs were originally programmed in DOS, migrated to Windows and adapted to meet the requirements of each Assessment Program.



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Challenge

- This legacy software is:
 - Not well documented
 - Modified well beyond original design
 - Supports other assessments clumsily or not at all
 - Not NMCI or Task Force Web capable
 - Currently written in Visual Basic (unsupported by Microsoft in 5 yrs)
- Consolidation of ship assessment visits invites migration to single assessment software
- No single tool is well suited to be modified to meet all the requirements for all assessments



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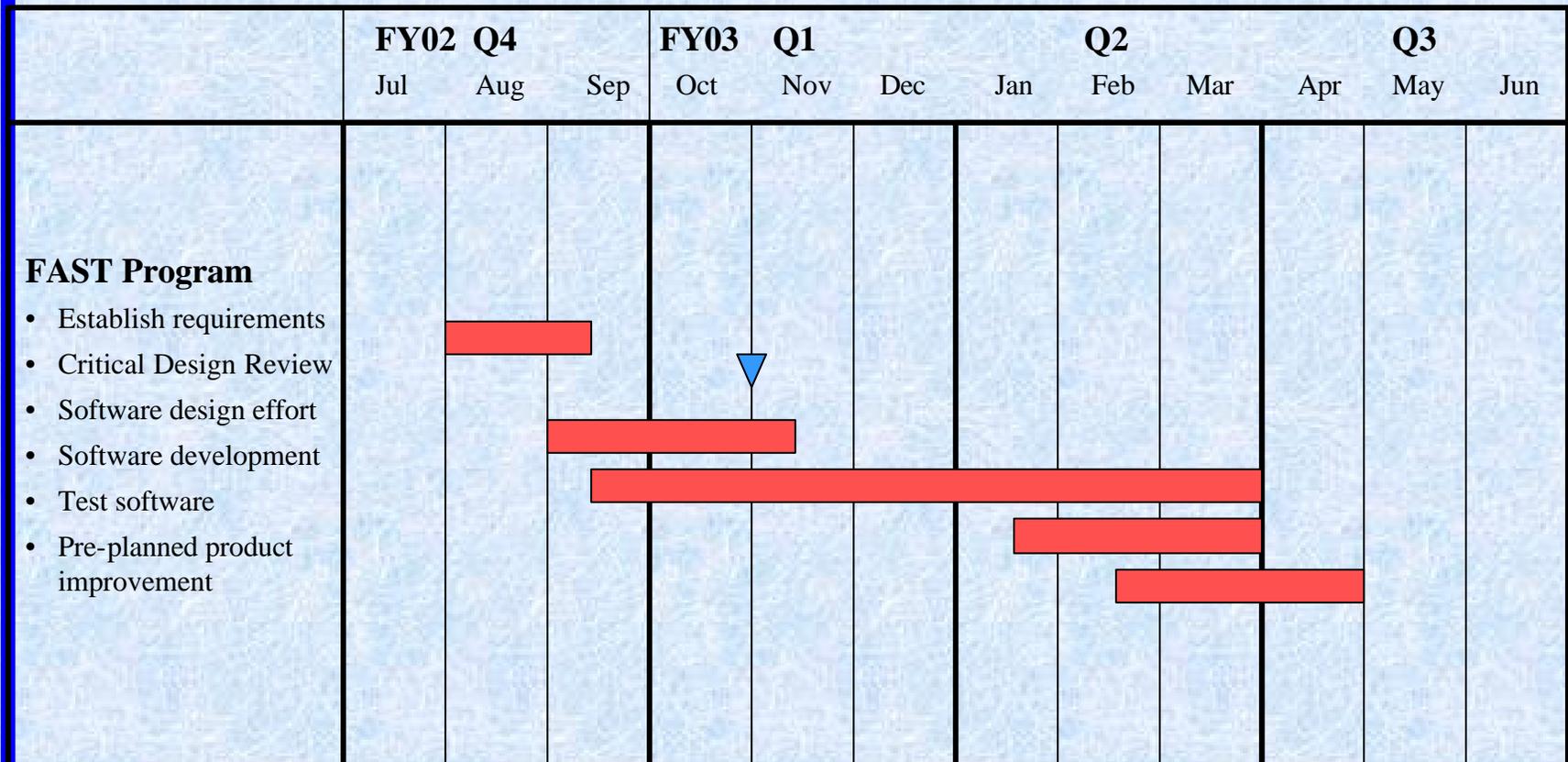
Proposal

- Migrate requirements & functions of legacy assessment tools into new software program initially to support surface ship and submarine assessment visits
 - Task Force Web enabled, NMCI compliant
 - Designed to be modular, upgradeable
 - Meet requirements of assessments and tech assists
 - Written in new Microsoft .NET environment
 - Completely documented
 - Fleet-owned source code
- Initial roll-out scheduled for 01 April 2003



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Timeline





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Milestones

MILESTONE	DATE
Identify Requirements	15 September
Complete Use Case Modeling	30 September
Complete Database Schema	31 October
Critical Design Review	31 October
Complete Class Interface Design	15 November
Begin software testing	15 January
Complete working prototype	15 February
Roll out initial software	15 March
Correct bugs and issue release	01 April



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Summary

- Current legacy software is assessment visit-specific
- Current programs are:
 - Not well documented
 - Not NMCI or Task Force Web capable
 - Written in Visual Basic (unsupported by Microsoft in 5 yrs)
- FAST will support assessment and tech assist visits
- FAST will be Task Force Web enabled, NMCI compliant
- Legacy programs will support respective visits during development period
- FAST will be ready on April 1st