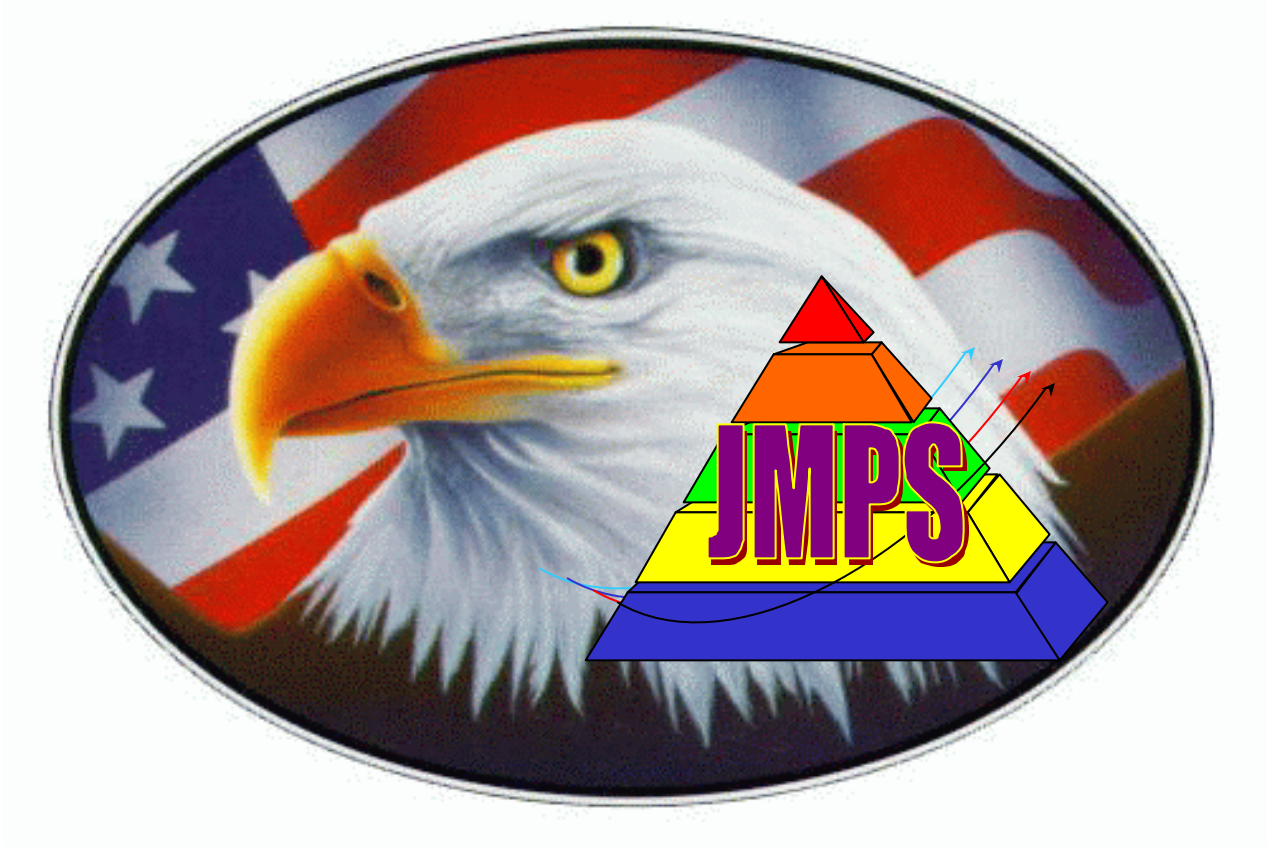
Joint Mission Planning System



Col (s) Jake Thorn

Purpose

- PRESENT OVERVIEW OF JMPS
  - GOALS
  - VISION
  - TEAM
  - SCHEDULE
  - QUESTIONS

JMPS Goals

Mission Statement

- Evolve world-class joint mission planning capabilities to support the war-fighter today and support Joint Vision 2010

Objectives

- Scaleable framework for MP systems
- Collaborative interservice mission planner
- DII COE / C4ISR Compliance
- Reduce life-cycle costs
- Capability $\geq$ legacy systems
- Smooth migration

Warfighter Gains

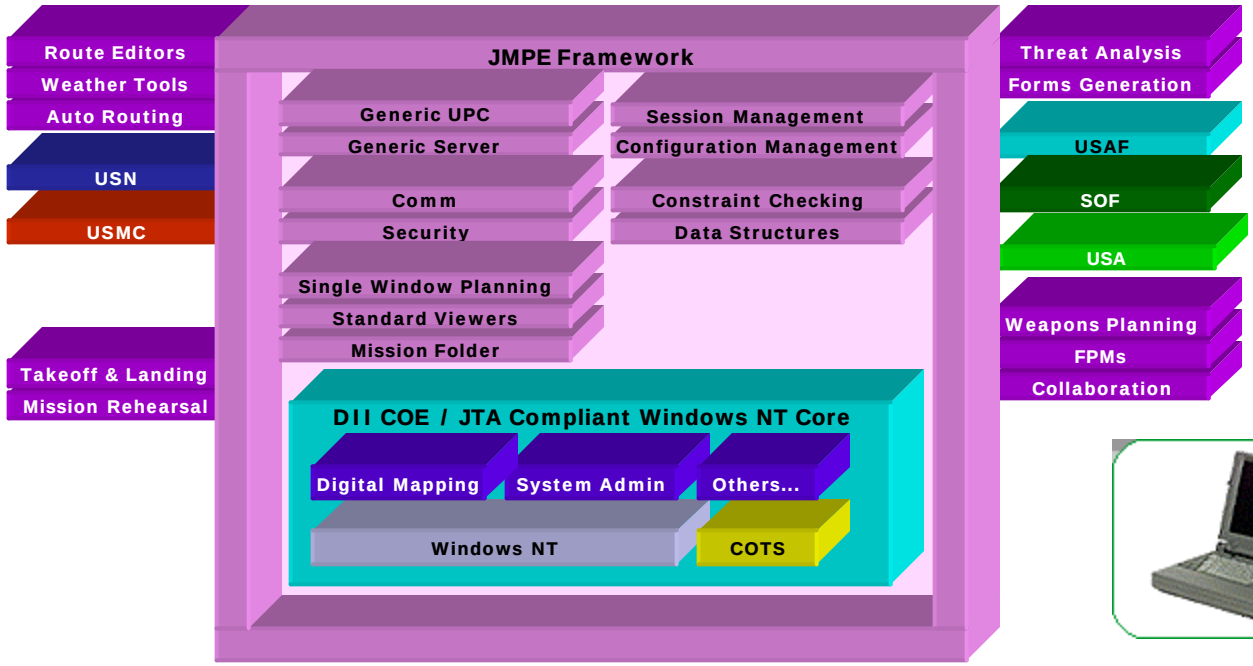
- Eliminate “$1M and a year” improvements
- Simplified COTS Integration
- Flexible vehicle type: Aircraft to tank to ship to patrol
- Single window planning for multiple systems
- Customized user interfaces
- Flexible map display options (2D & 3D)
- Allows collaborative planning
- Focus on interoperability

USER CONSTRAINTS

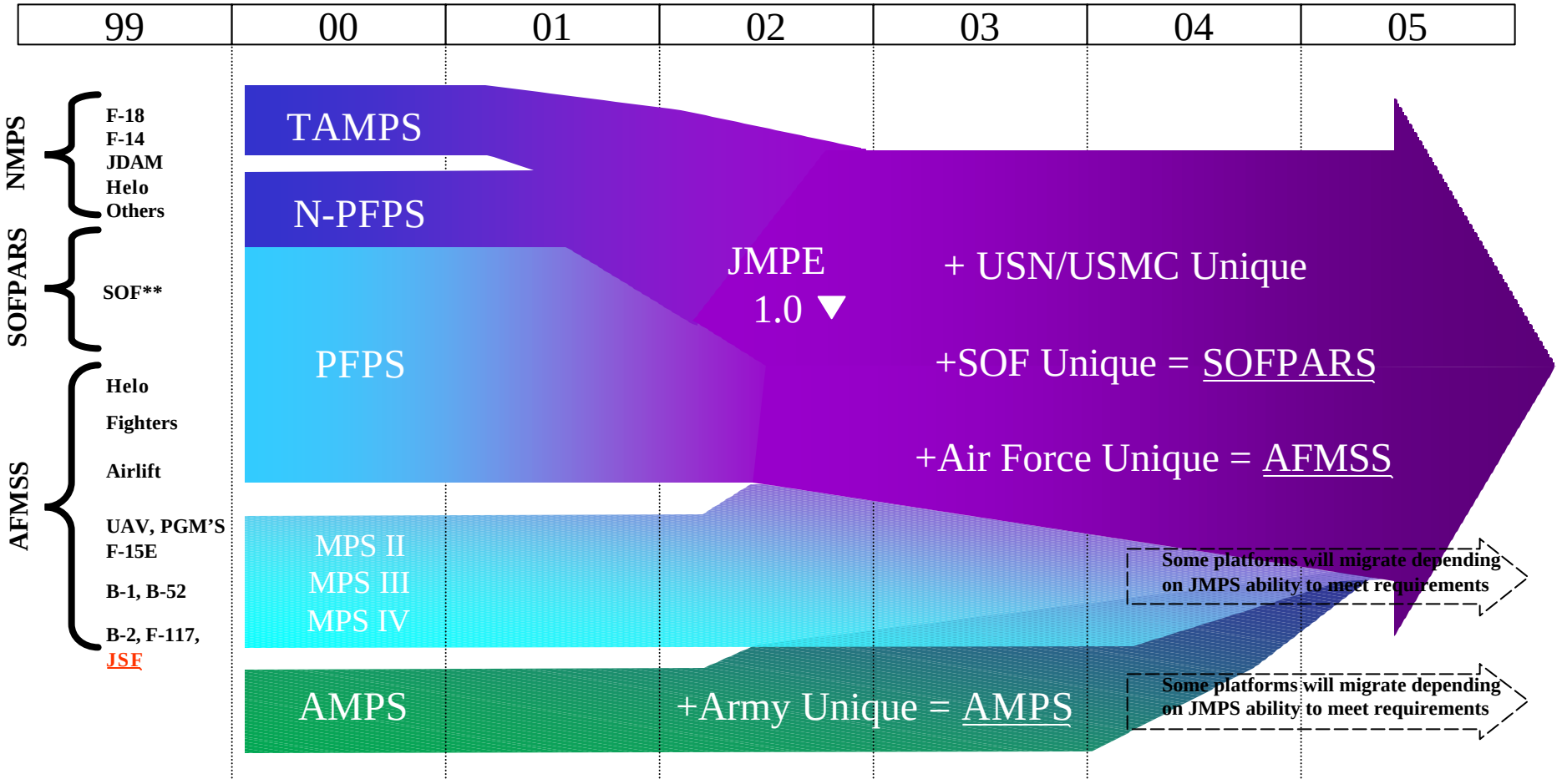
- Must Be PC Based (WINDOWS NT)
- Meet Unit Level Needs
- Match Fielded PFPS functionality
- Build credible development schedule
- Do not exceed current Budget
- Meet threshold aircraft fielding for V2 (F-16/Block 30 and F/A-18)
- Apply Lessons Learned From The Past MPS/TAMPS/PFPS

JMPS VISION

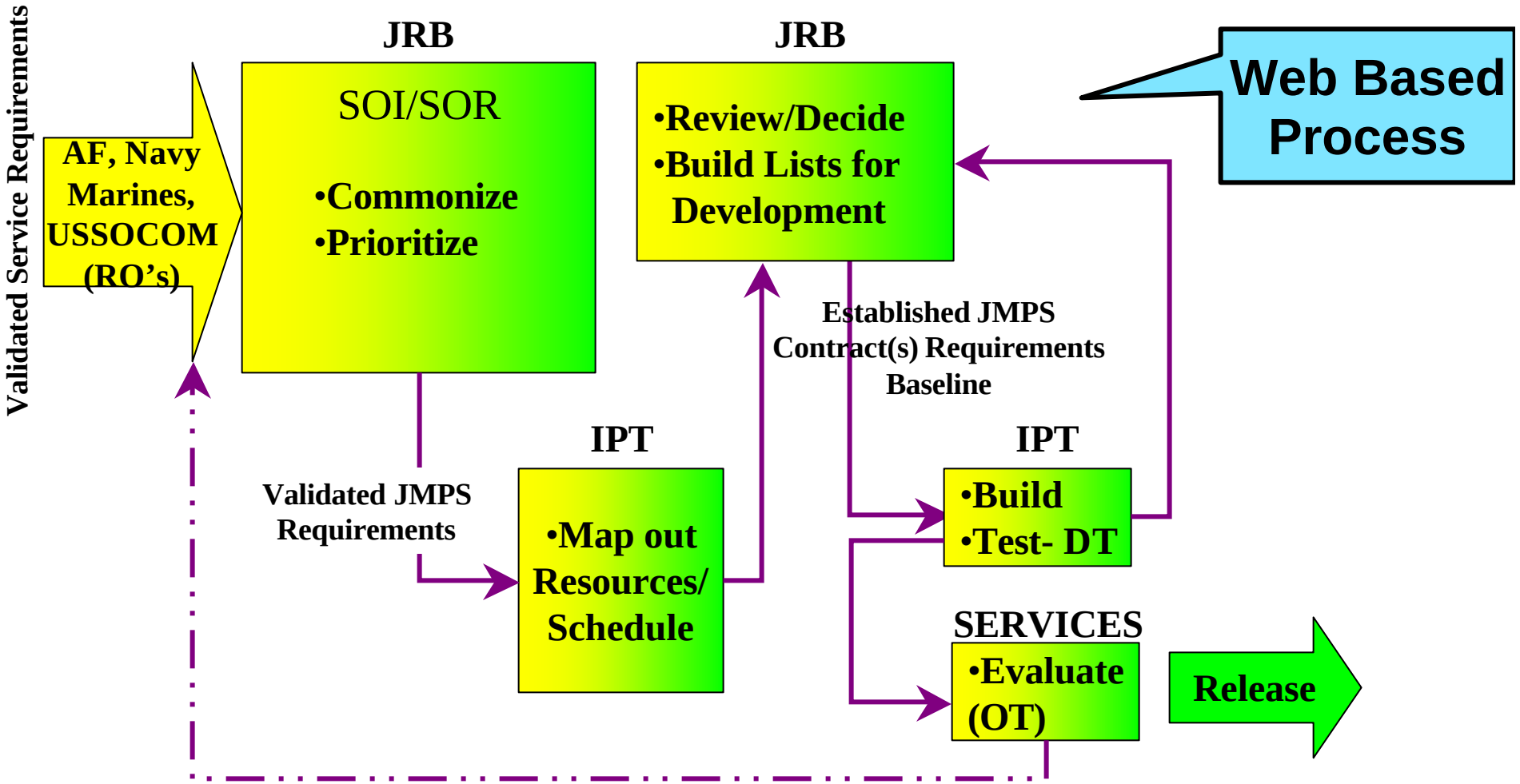
JMPE +SERVICE UNIQUE+HARDWARE



JMPS ROADMAP

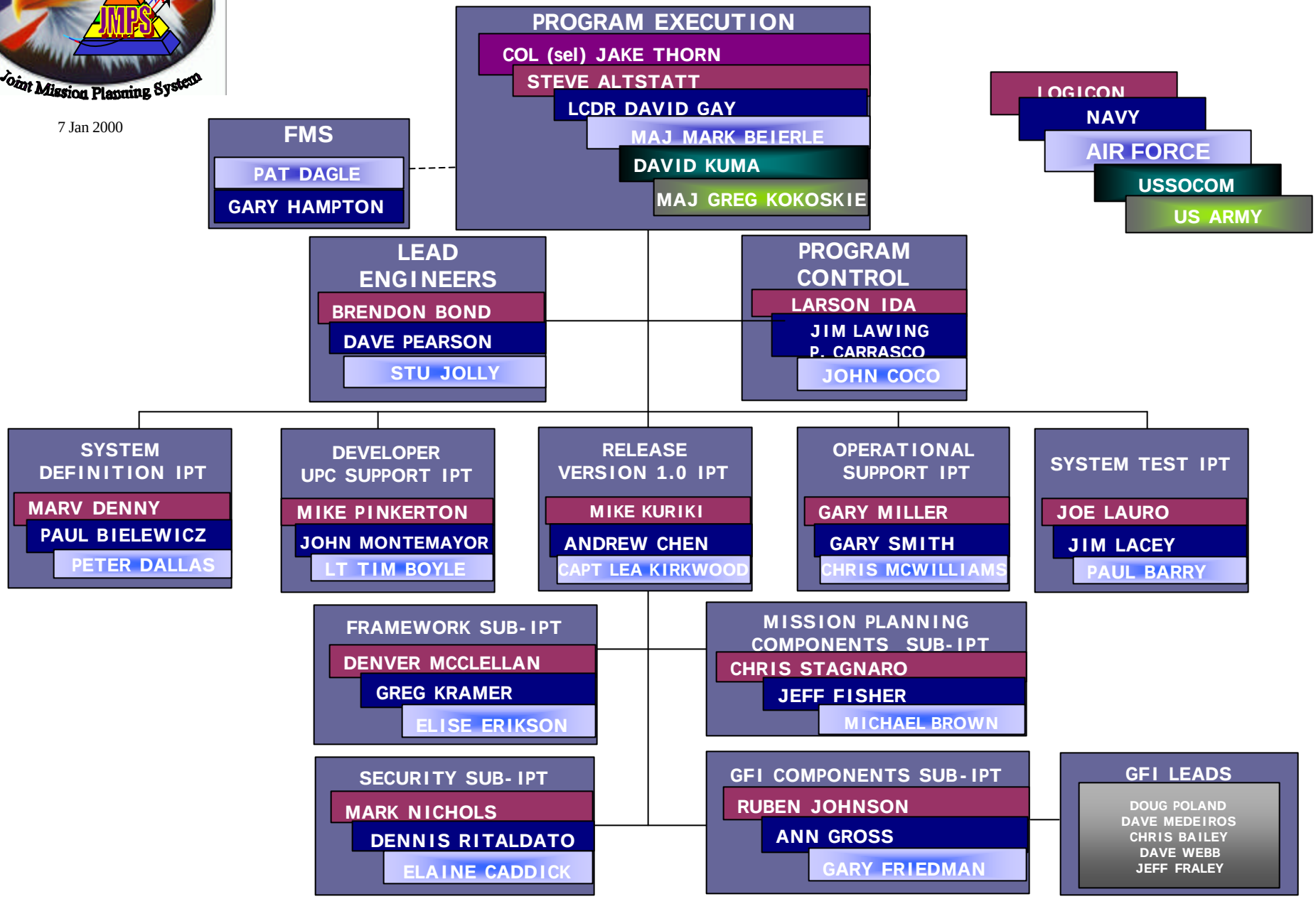


JRB Requirements Validation Process



PHASE II JMPS IPT STRUCTURE

7 Jan 2000



Logicon Team

- Ampersand
- Autometric
- Boeing
- CMI
- Jaycor
- Lockheed Martin
- GFI Members
  - TYBRIN
  - GTRI
- Microsoft
- Northrop Grumman
- On-Board Software
- PRB
- Raytheon
- TRW
- 46TS/OGET

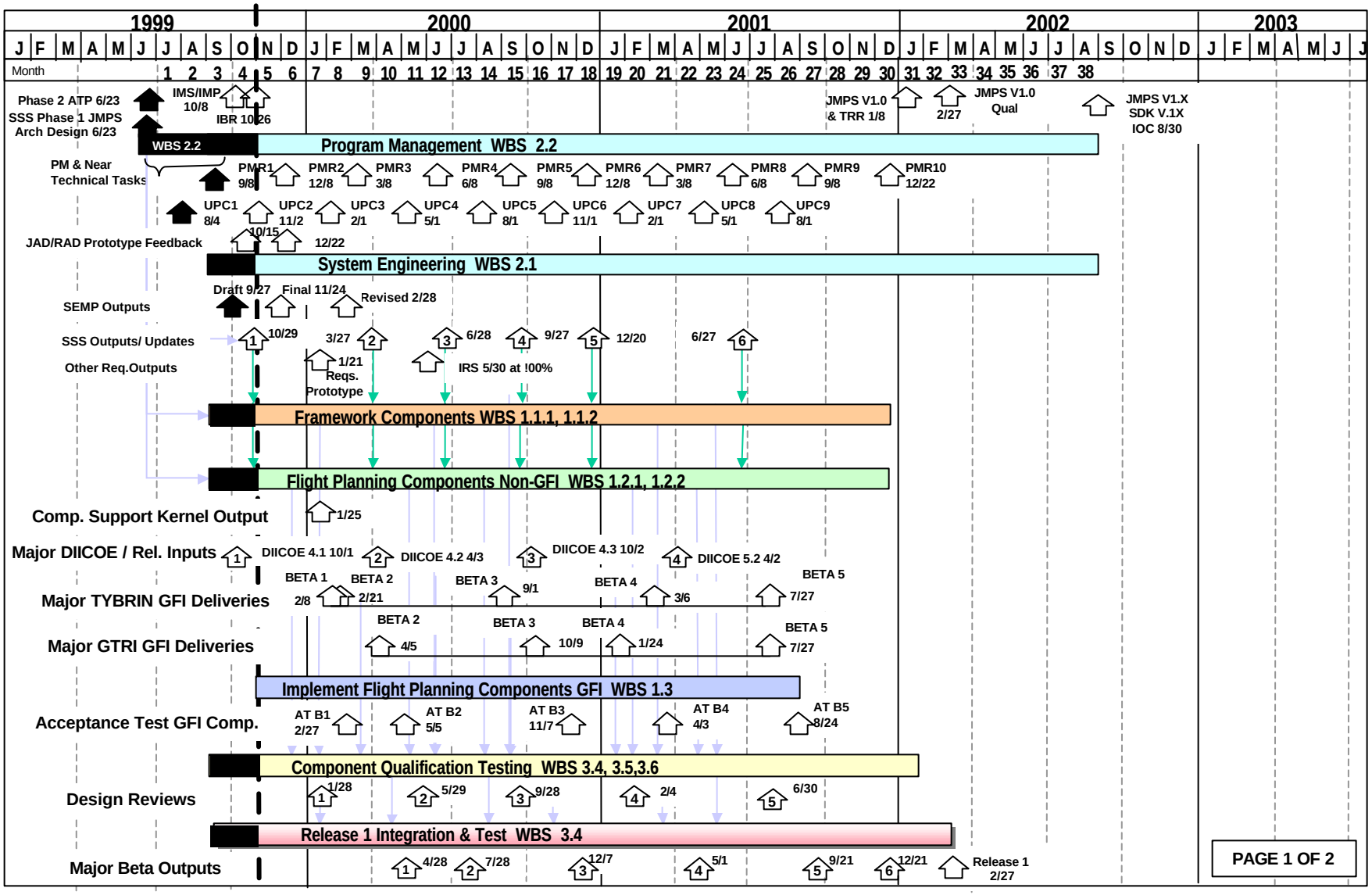
JMPS Schedule Baseline

38 Month JMPS Program Schedule

- Offers lowest possible JMPS risk while preserving PFPS baseline
- Fits within available funding profile
- Meets JMPS Combat Planner schedule

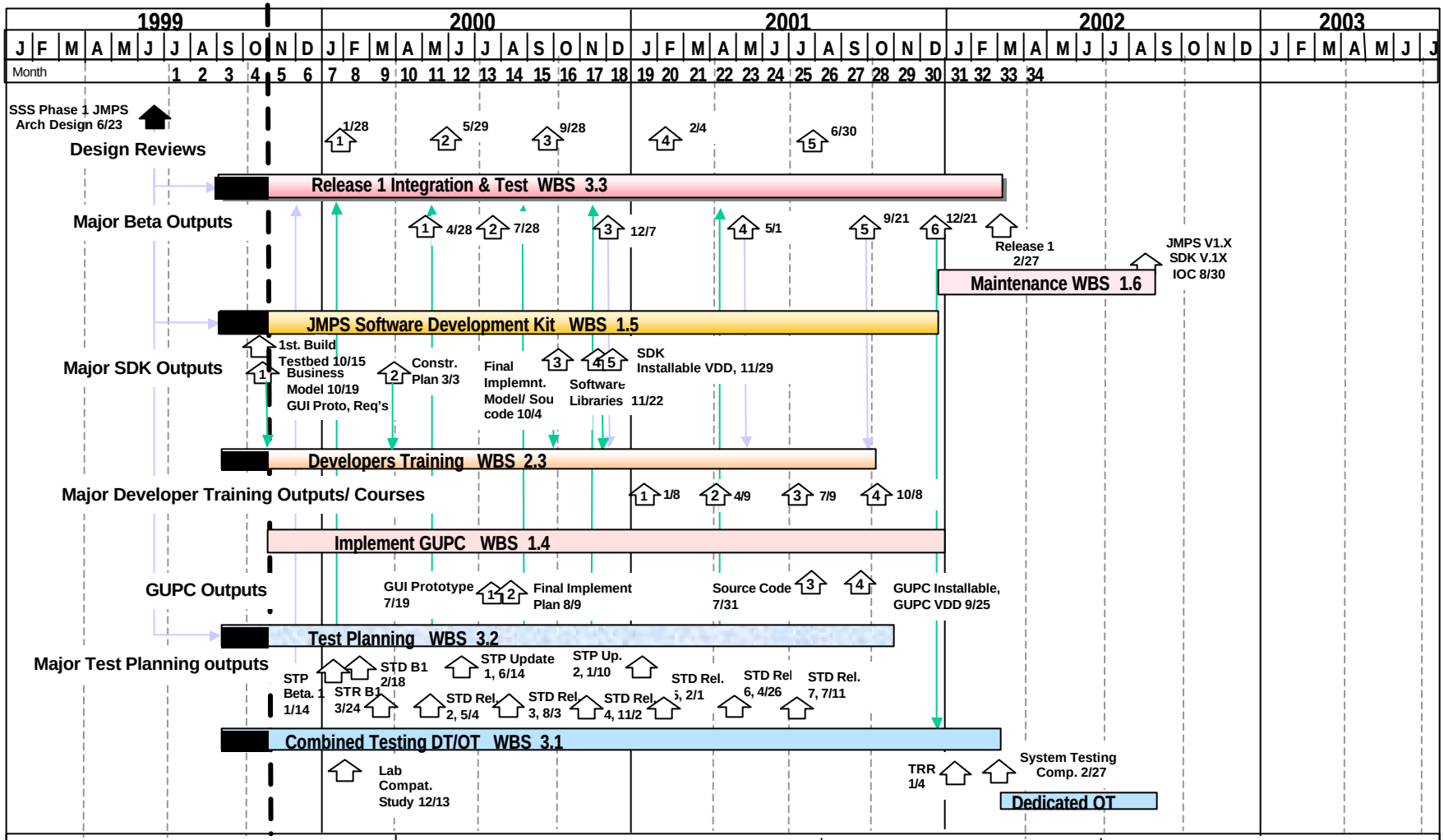
Schedule

38 Month Schedule-Dated 10/27/99, Status as of: 9/27/9



Schedule

38 Month Schedule-Dated 10/27/99, Status as of: 9/27/9

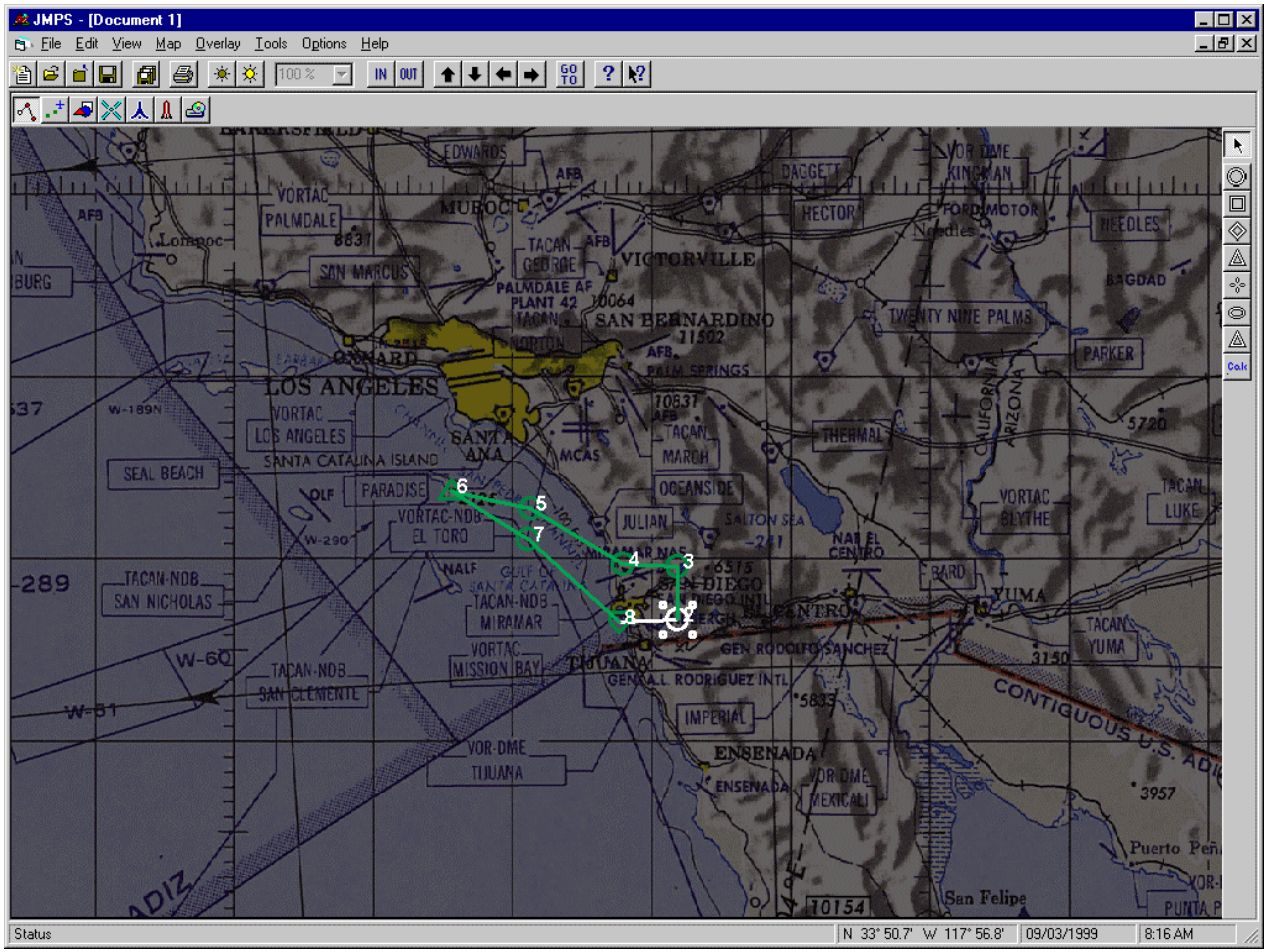


Notes: This PMS reflects a 38 month schedule to accommodate the integration plan for GFI Components. Refinement to this schedule will continue through the replanning process.	Approved By: Program Manager Master Scheduler:	Prepared By: Gilbert G. Caughman ORGN: Program Controls 8300	TITLE: JMPS Program Master Schedule SCHEDULE NO. PMS 448 DATE 10/15/99 | PAGE 2 of 2

HOT TOPICS

- JMPS vs PFPS
- WHAT MAPS
- WHATS NEW

JMPS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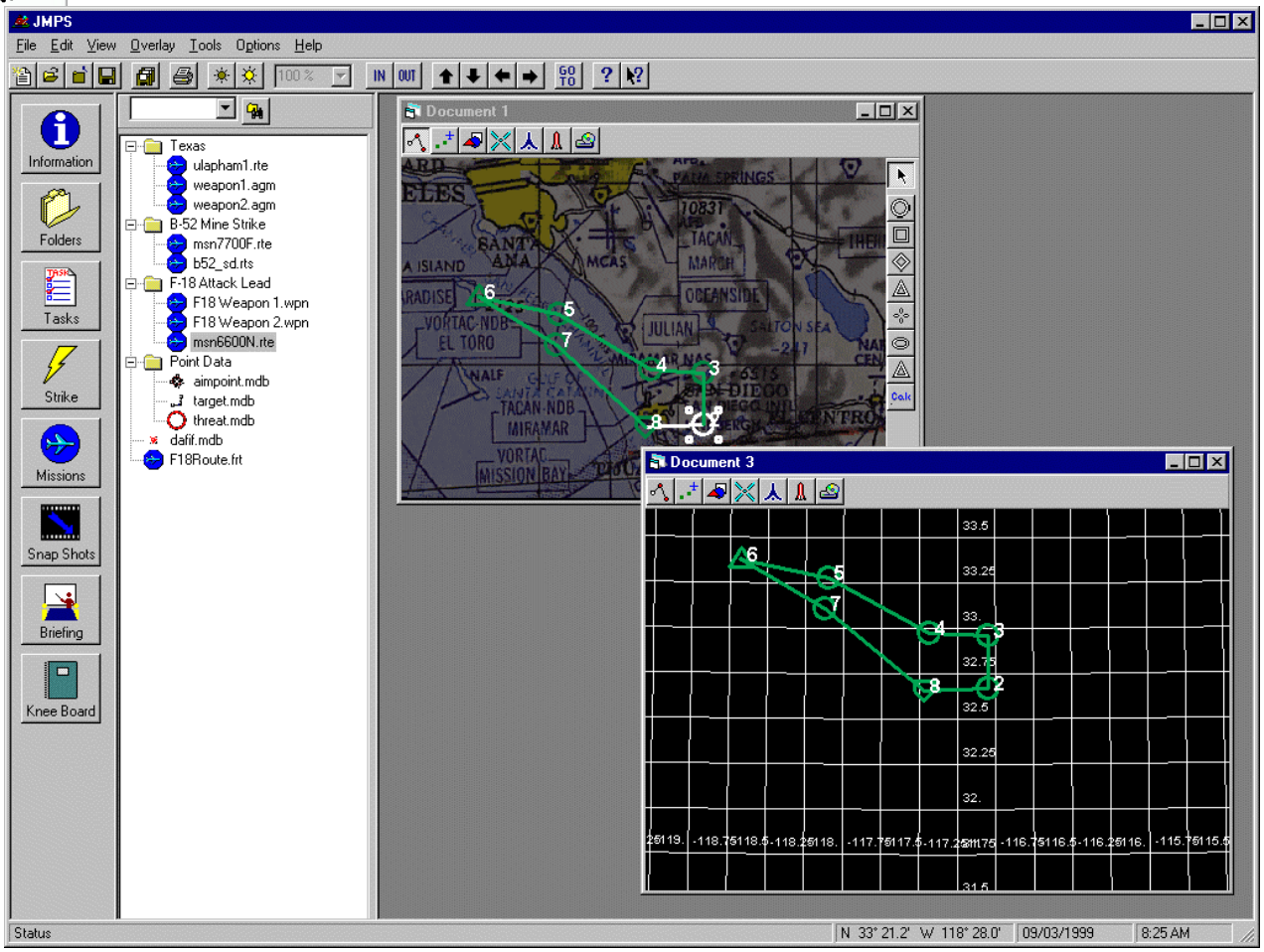
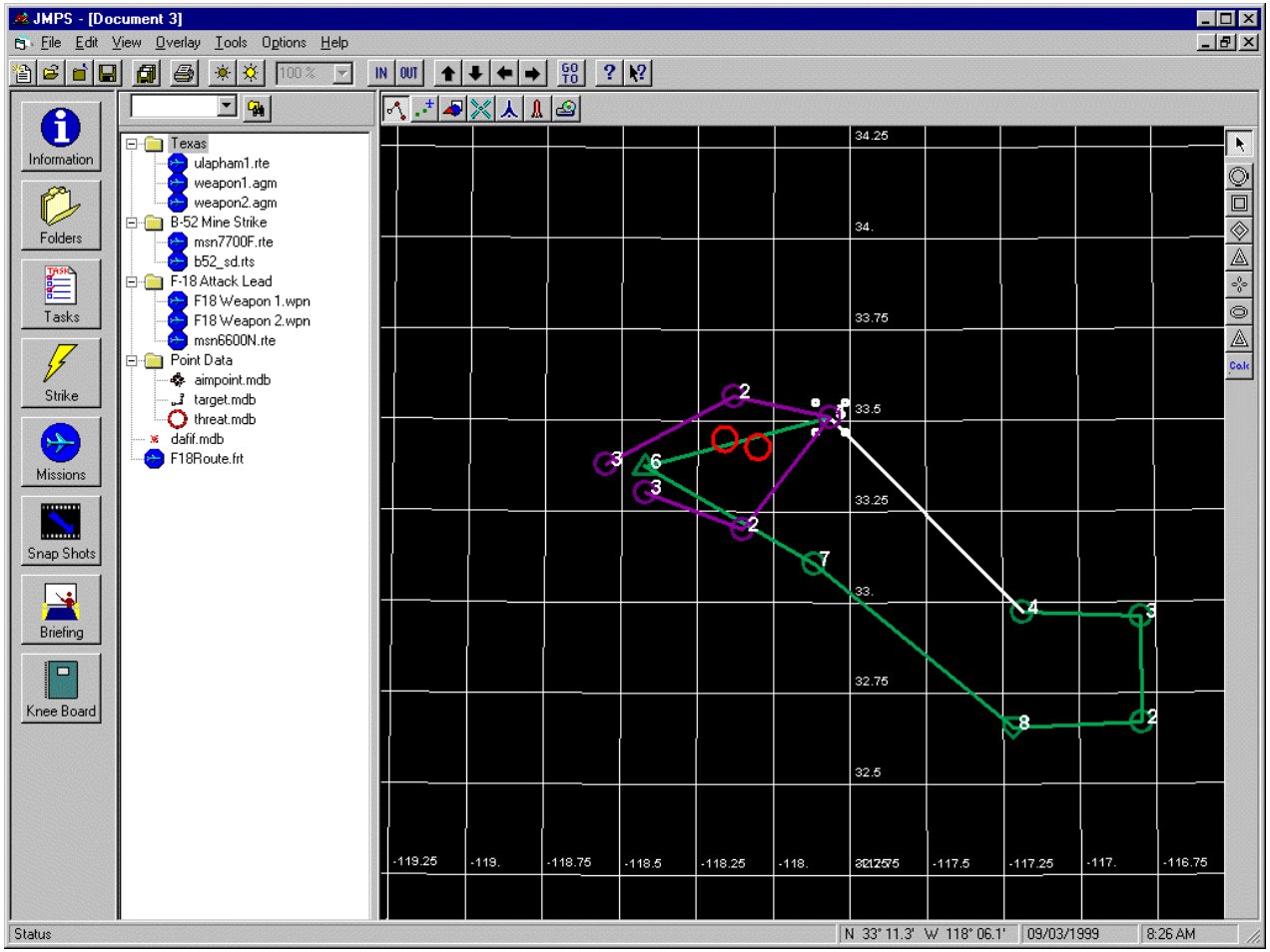
09/03/1999
8:16 AM

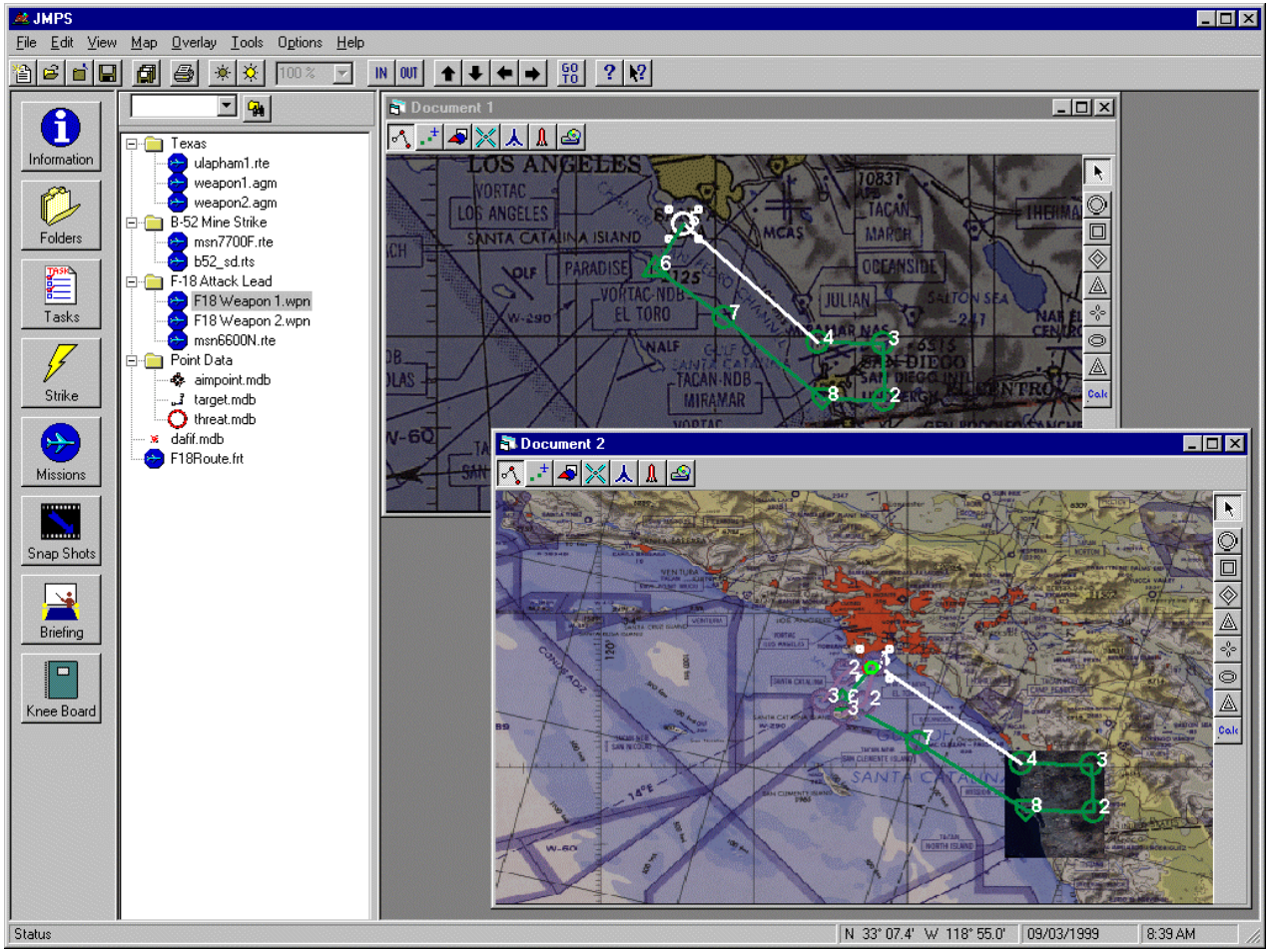
Multiple Window Display



Single Window Planning



EDO Map


JMPS
File Edit View Map Overlay Tools Options Help
Information
Folders
Tasks
Strike
Missions
Snap Shots
Briefing
Knee Board
Texas
ulapham1.rte
weapon1.agm
weapon2.agm
B-52 Mine Strike
msn7700F.rte
b52_sd.rts
F-18 Attack Lead
F18 Weapon 1.wpn
F18 Weapon 2.wpn
msn6600N.rte
Point Data
aimpoint.mdb
target.mdb
threat.mdb
dafif.mdb
F18Route.frt
Document 1
Document 2
LOS ANGELES
SANTA CATALINA ISLAND
PARADISE
VORTAC-NDB
EL TORO
TACAN-NDB
MIRAMAR
OCEANSIDE
JULIAN
SAN DIEGO
Status
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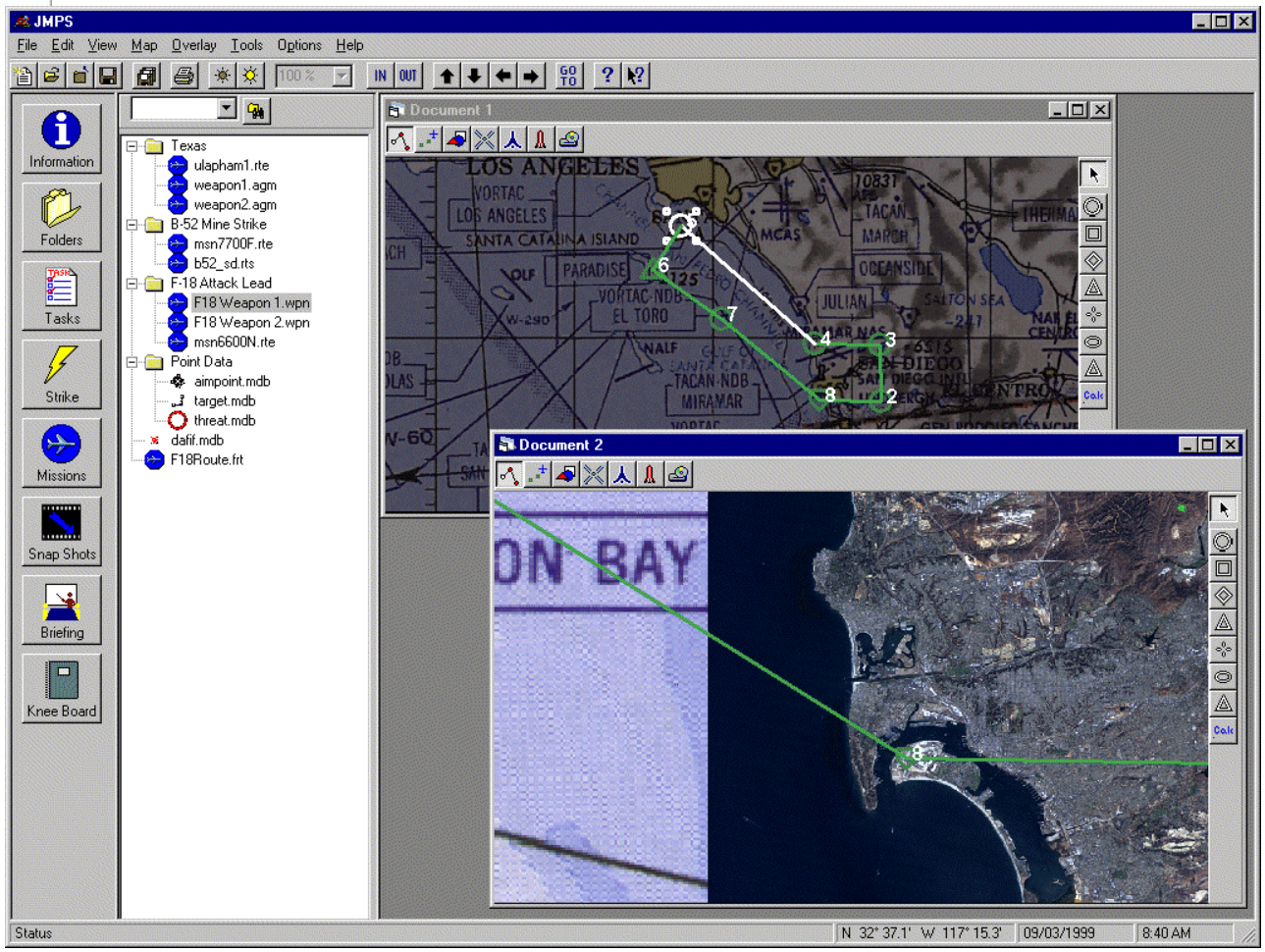
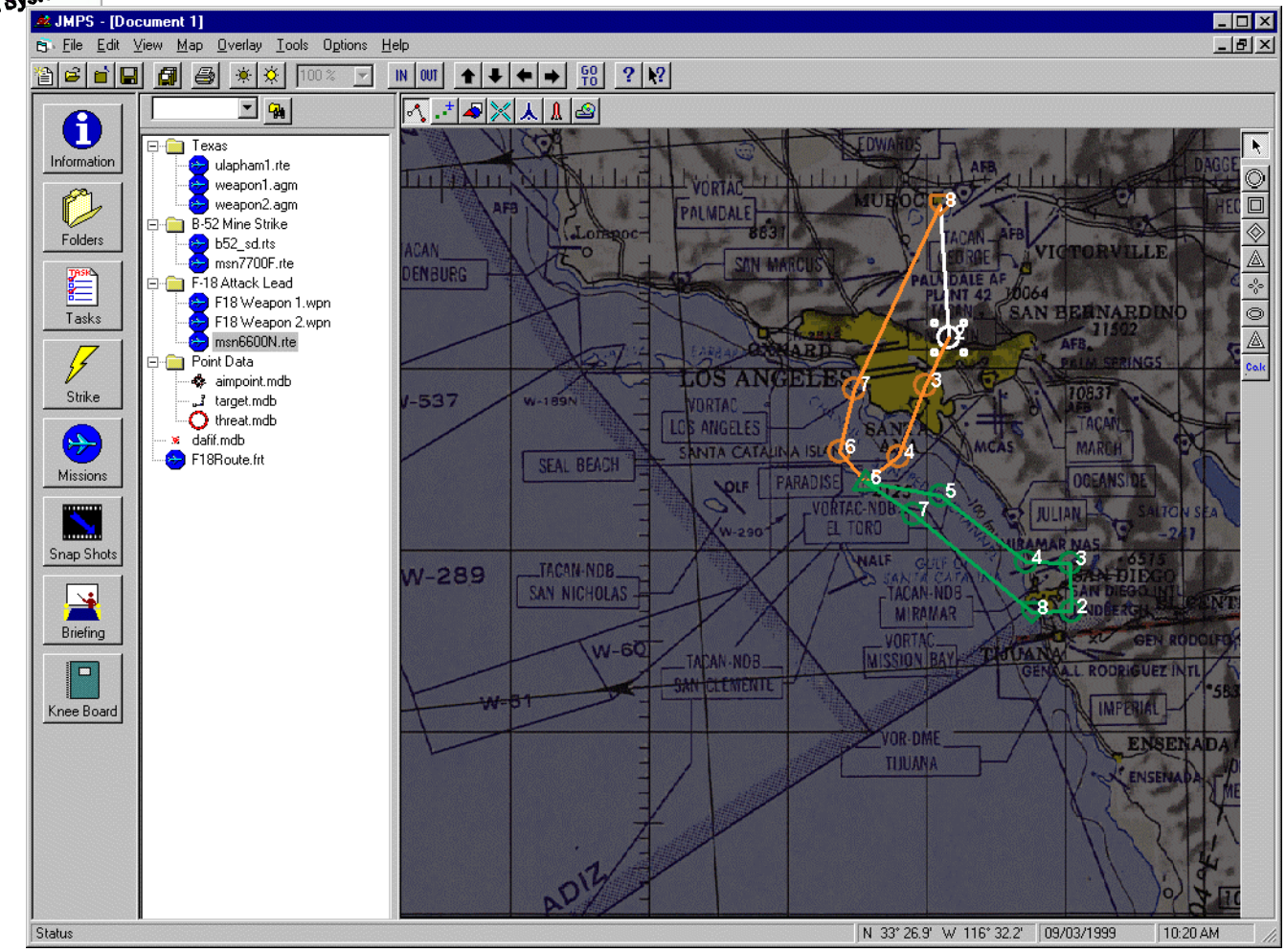
09/03/1999
8:39 AM

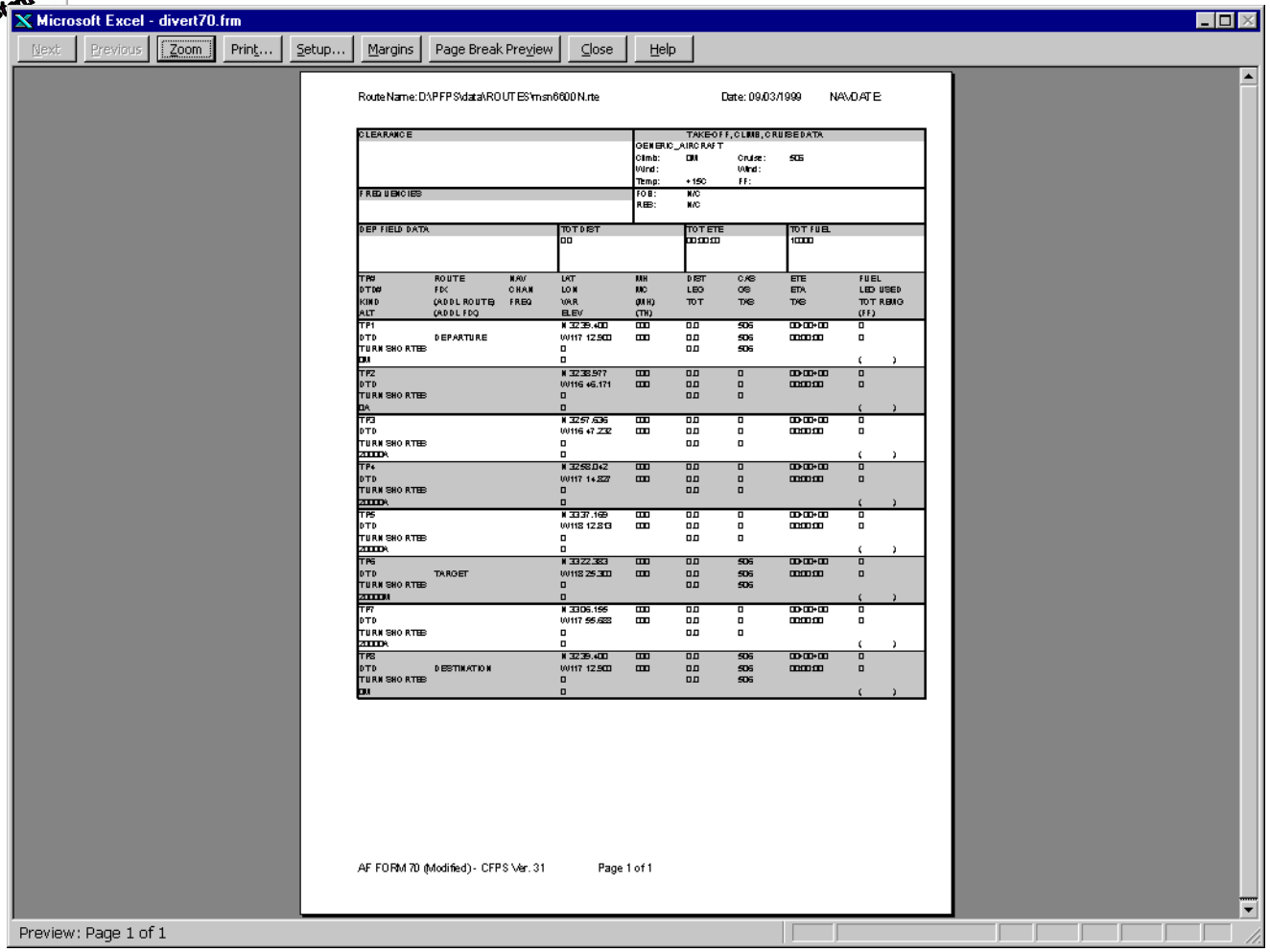
EDO Imagery


JMPS
File Edit View Map Overlay Tools Options Help
Information
Folders
Tasks
Strike
Missions
Snap Shots
Briefing
Knee Board
Texas
ulapham1.rte
weapon1.agm
weapon2.agm
B-52 Mine Strike
msn7700F.rte
b52_sd.rts
F-18 Attack Lead
F18 Weapon 1.wpn
F18 Weapon 2.wpn
msn6600N.rte
Point Data
aimpoint.mdb
target.mdb
threat.mdb
dafif.mdb
F18Route.frt
Document 1
LOS ANGELES
SANTA CATALINA ISLAND
PARADISE
EL TORO
MIRAMAR
JULIAN
OCEANSIDE
Document 2
Status
N 32° 37.1' W 117° 15.3'
09/03/1999
8:40 AM

Collaboration



Form 70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Previous
Zoom
Print...
Setup...
Margins
Page Break Preview
Close
Help
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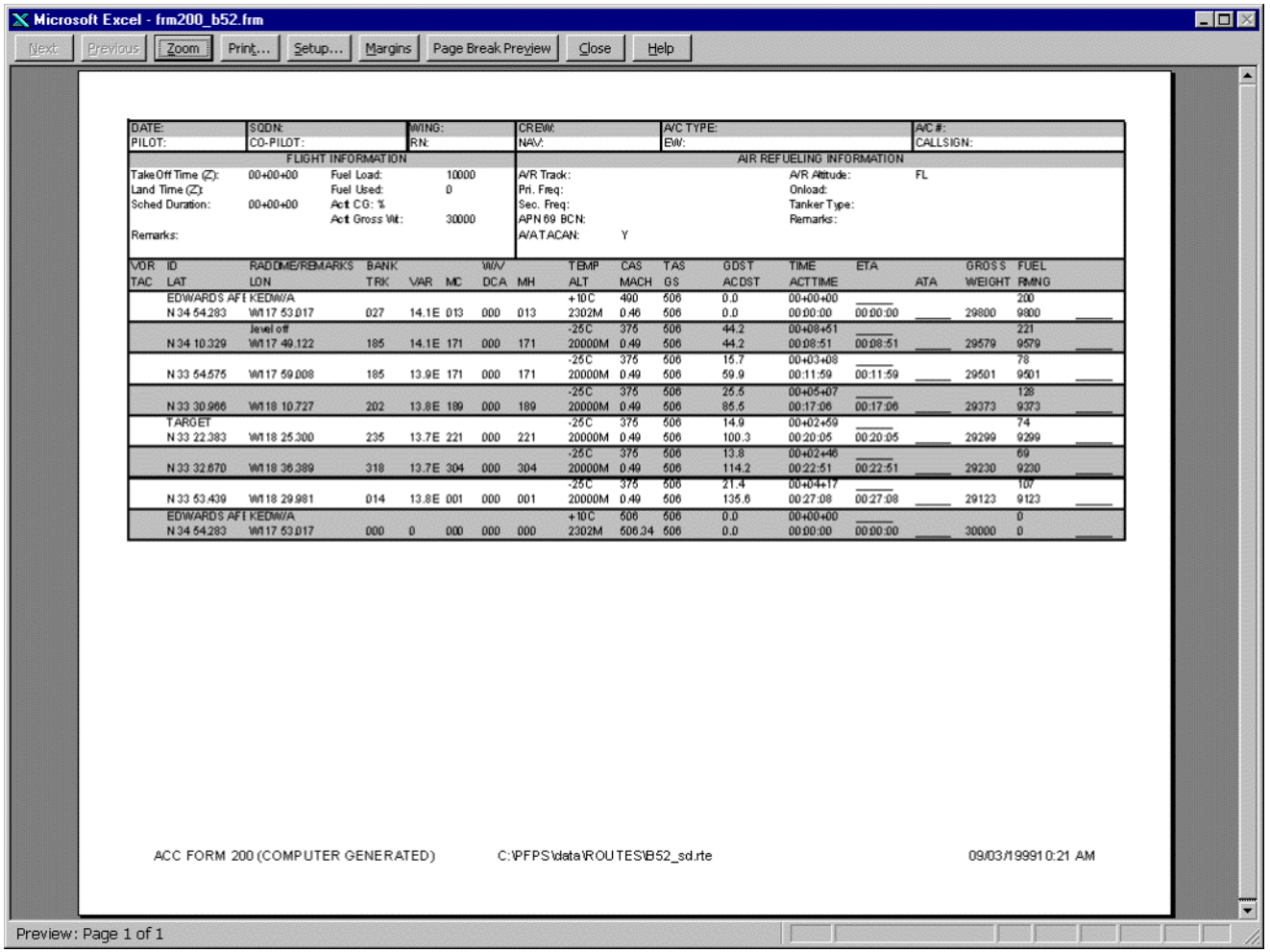
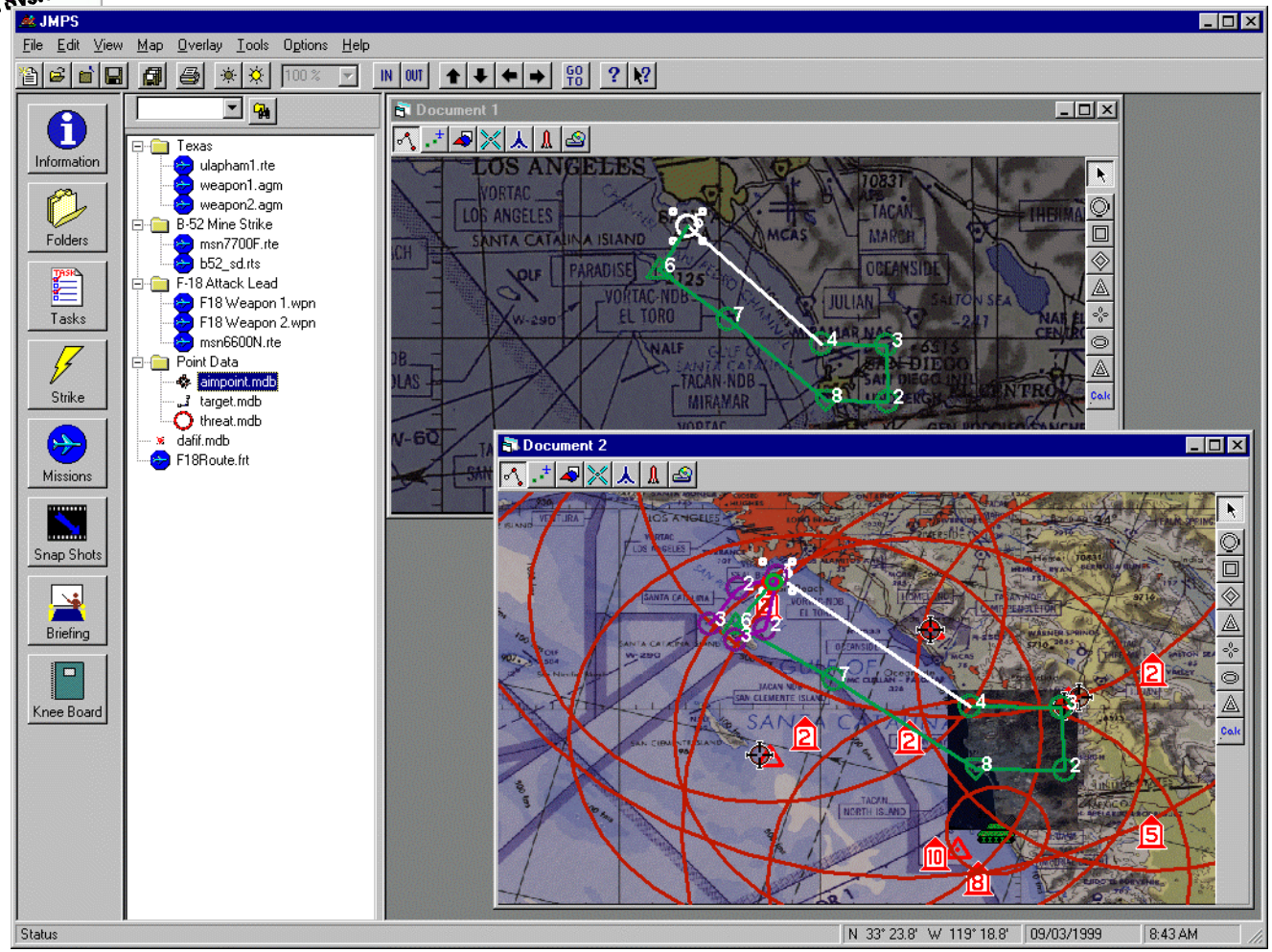
Date: 09/03/1999
NAVDATE
CLEARANCE
TAKEOFF, CLIMB, CRUISE DATA
GENERIC_AIRCRAFT
Climb:
Cruise:
Wind:
Temp:
FF:
FREQUENCIES
FOB:
RES:
DEP FIELD DATA
TOT DIST
TOT ETE
TOT FUEL
TP#
DTG#
KIND
ALT
ROUTE
FIX
(ADDL ROUTE)
(ADDL FIX)
NAV
CHAN
FREQ
LAT
LON
VAR
ELEV
MH
MC
(MH)
(TH)
DIST
LEG
TOT
CAS
OS
TAS
ETE
ETA
TAS
FUEL
LEG USED
TOT REMG
(FF)
TP1
DTG
DEPARTURE
TURN SHO RTES
TP2
DTG
TURN SHO RTES
TP3
DTG
TURN SHO RTES
TP4
DTG
TURN SHO RTES
TP5
DTG
TURN SHO RTES
TP6
DTG
TARGET
TURN SHO RTES
TP7
DTG
TURN SHO RTES
TP8
DTG
DESTINATION
TURN SHO RTES
AF FORM 70 (Modified) - CFPS Ver. 31
Page 1 of 1
Preview: Page 1 of 1

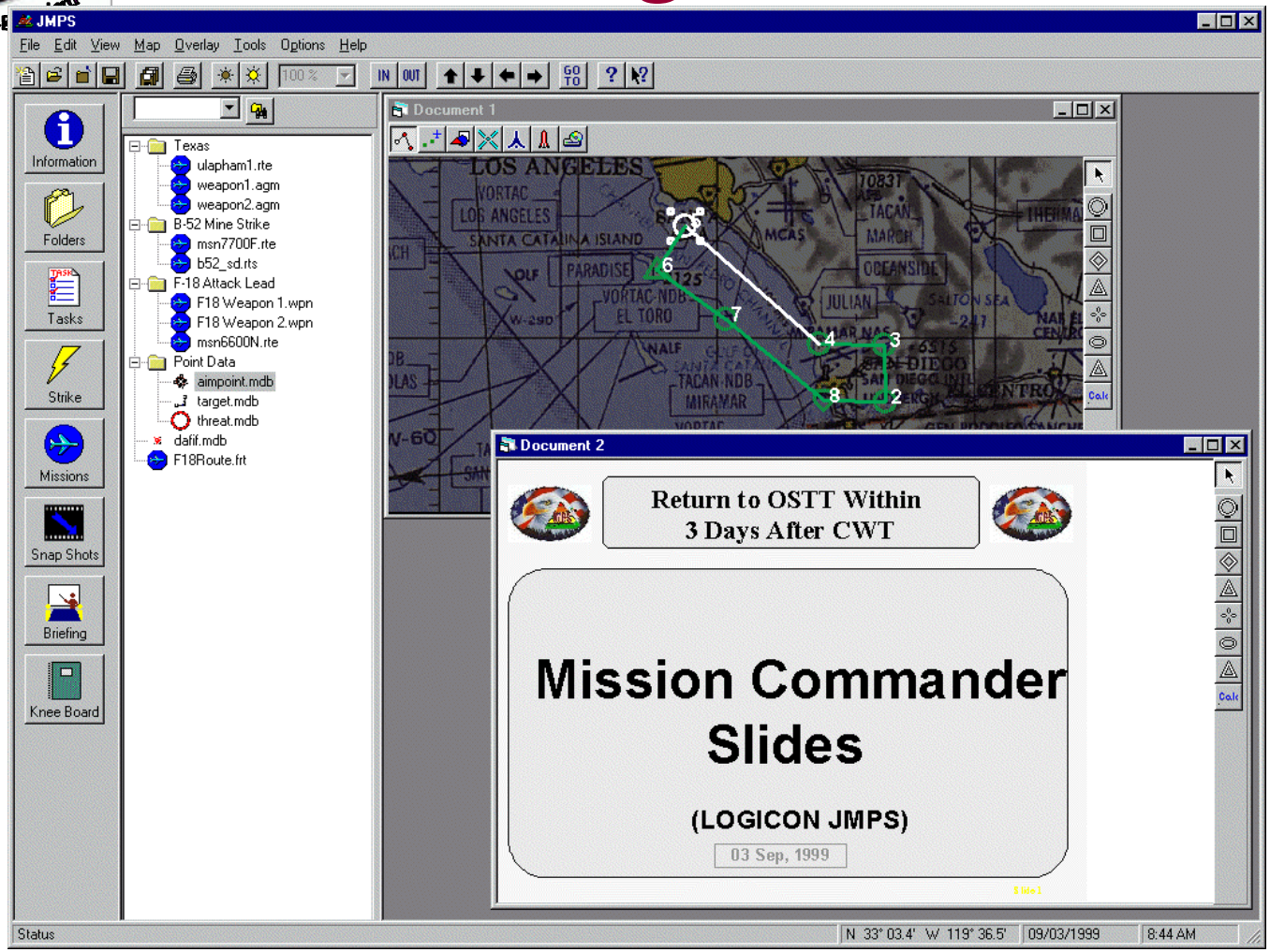
Print Server: Form 200



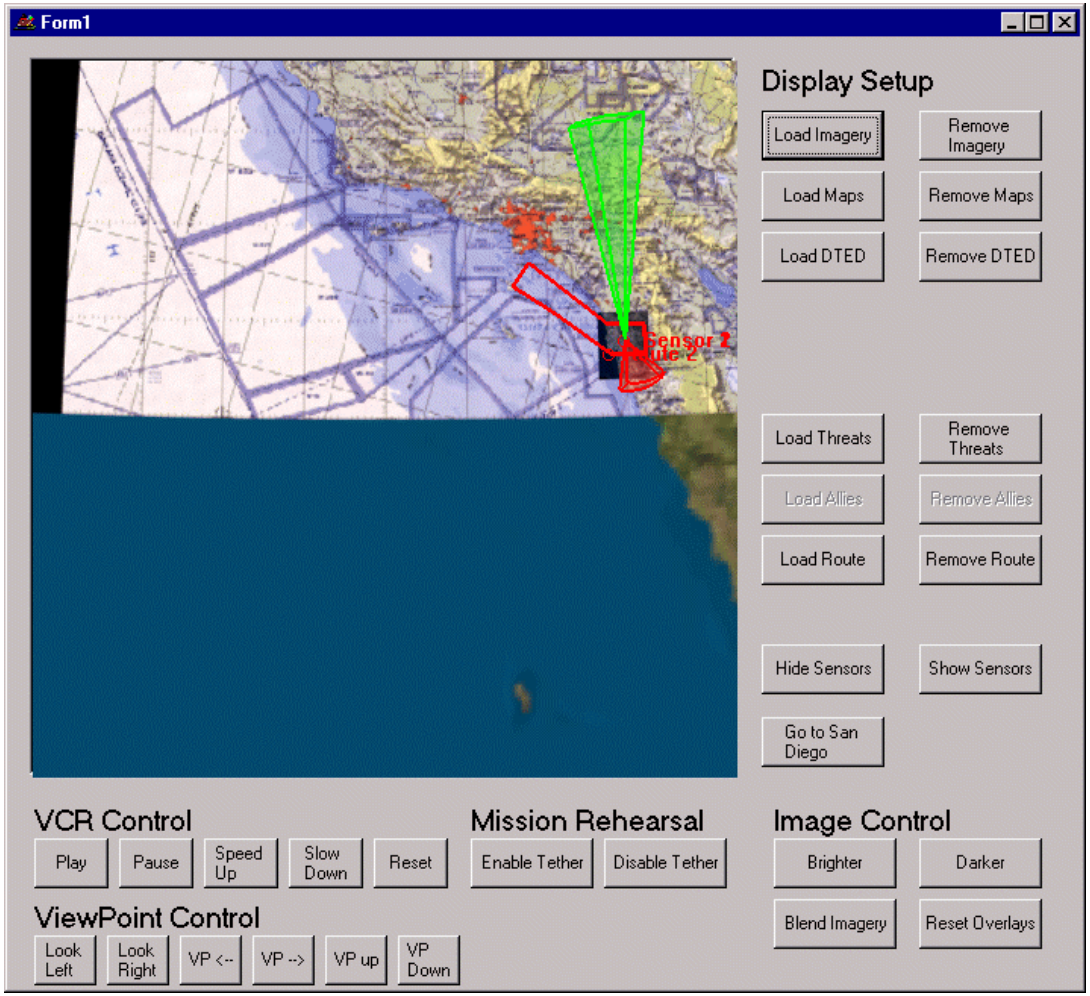
Aimpoints, Targets, Threats



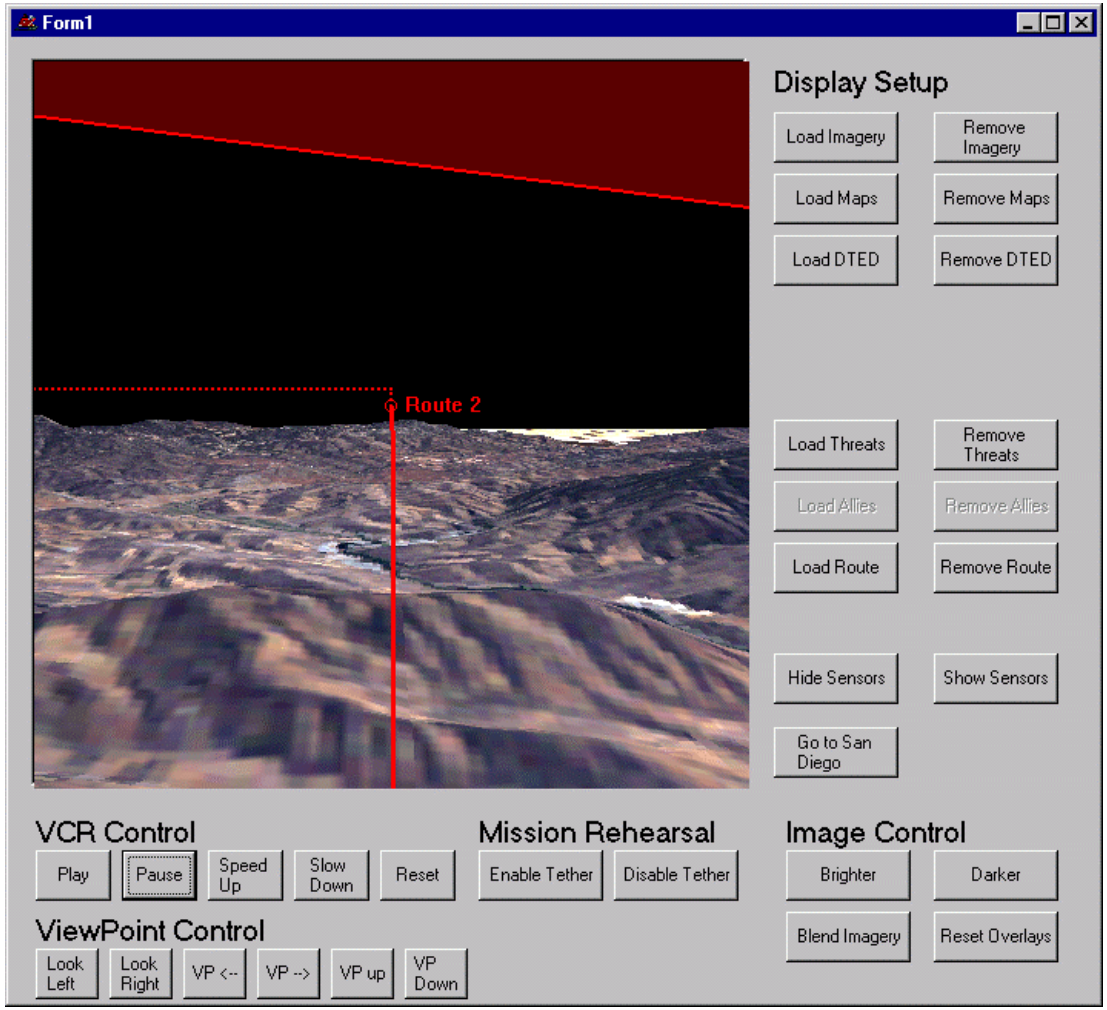
Briefing Charts Start



Route Rehearsal



FLY -Through


Form1
Route 2
Display Setup
Load Imagery
Remove Imagery
Load Maps
Remove Maps
Load DTED
Remove DTED
Load Threats
Remove Threats
Load Allies
Remove Allies
Load Route
Remove Route
Hide Sensors
Show Sensors
Go to San Diego
VCR Control
Play
Pause
Speed Up
Slow Down
Reset
Mission Rehearsal
Enable Tether
Disable Tether
Image Control
Brighter
Darker
Blend Imagery
Reset Overlays
ViewPoint Control
Look Left
Look Right
VP <--
VP -->
VP up
VP Down

Exit Ramp Triggers

- Cost: Projected greater than 10% overrun
- Schedule: Projected greater than 6 month slip
- Performance: Beta test trends indicate User dissatisfaction (PFPS baseline)

WHAT CAN YOU DO

- Support Mission Planning
  - AFMSS is MPS/PFPS/JMPS
- Spend Time At The Booths
- Without Your Support No Funding
  - PFPS Or Anything Else

QUESTIONS?