

MPUC2K

Mission Planning User's
Conference 2000

2K



ESC/ACU



46 TS



HQ ACC



HQ AMC



HQ AFSOC

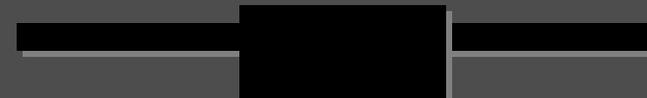
US Navy



PFPS v3.1 Status Brief

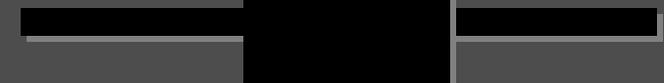
MAJ Bill Ziener, 46 TS/OGET
Flight Commander

24X CD ROM



Overview

- Status of PFPS v3.1
- Significant Features in PFPS v3.1
- About PFPS v3.2
- 46 TS/OGET Website Improvements
- Questions?



PFPS v3.1 Status

- In OT&E Now, Expect One (1) More Fix/Test Cycle
- Anticipate Fielding in March 2000

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Significant Features in PFPS v3.1

- PFPS CMF tool v1.1 (full integration)
- PFPS FIE
 - Tighter integration with PFPS
 - ACFP interface
- Advanced multi-route planning in CFPS, route templates: create master templates for route and/or aircraft configuration data
- Enhanced dB support: browse/search ALL data directly from any PFPS application; jet routes, heliports, enhanced search options
- Great circle or Rhumb line; MagVar improvements, indicated airspeed support: add IAS support if available in FPM
- Hover support: hover flight mode calculations, TOLD/PPC cards
- Master install: updated for version 3.1 release; enhanced uninstall
- Air refueling tool
- Serpentine routes: new planning enhancement
- Weapons integration: integrate weapon delivery calculated points into route



Bull's Eye

FalconView Drawing1.drw*

File Edit View Map Overlay Tools Options Help

100% IN OUT

Bullseye

Color	Width

Distance Between Circles (NM)

Number of Circles

Total Dist (Cir_Dist x Num_Cir) 80.0 NM

Angle Between Radials

Use Magnetic Bearing

Auto MagVar Calculation

Mag Var (E/W)

Display Name Label

Display Bearings

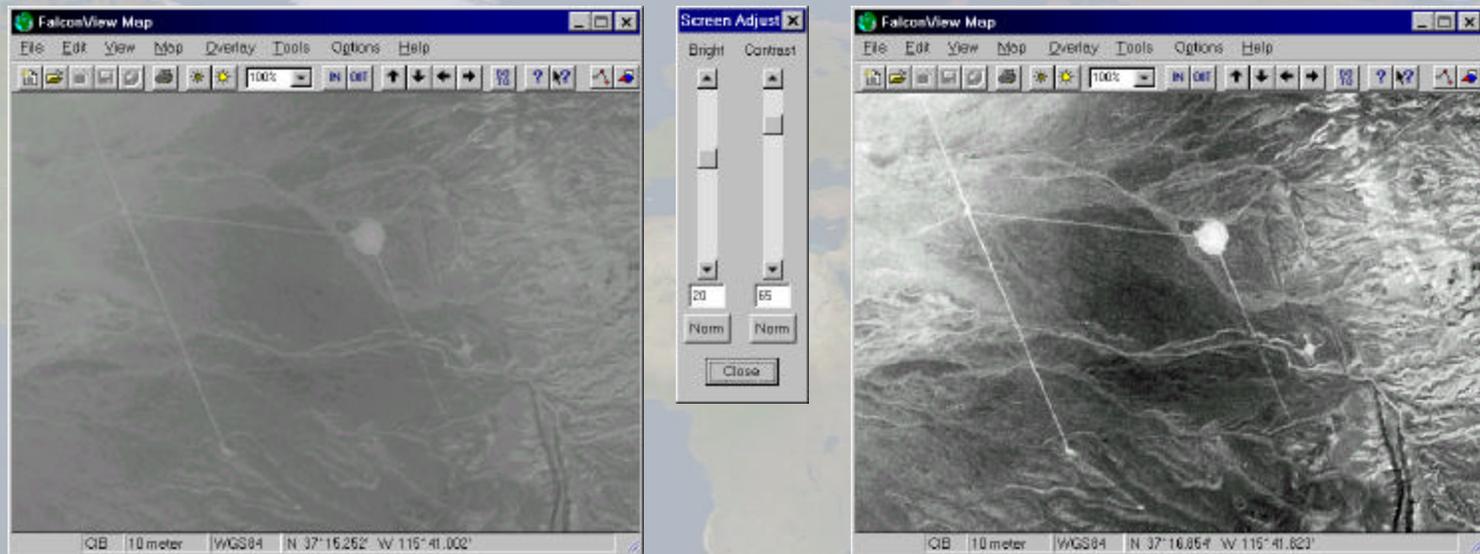
Display Background

Bullseye02: 73.9NM, 49.8 Mag

CADRG 1:5 M (GNC) WGS84 N 38° 15.0' W 076° 06.3'



Contrast Control

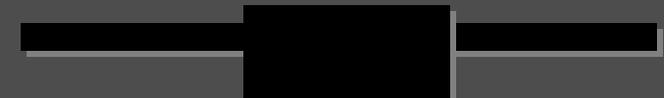


The contrast control allows you to get better definition on CIB images. The image on the left was produced using only Bright/Dim. The image on the right used Bright/Dim and contrast.

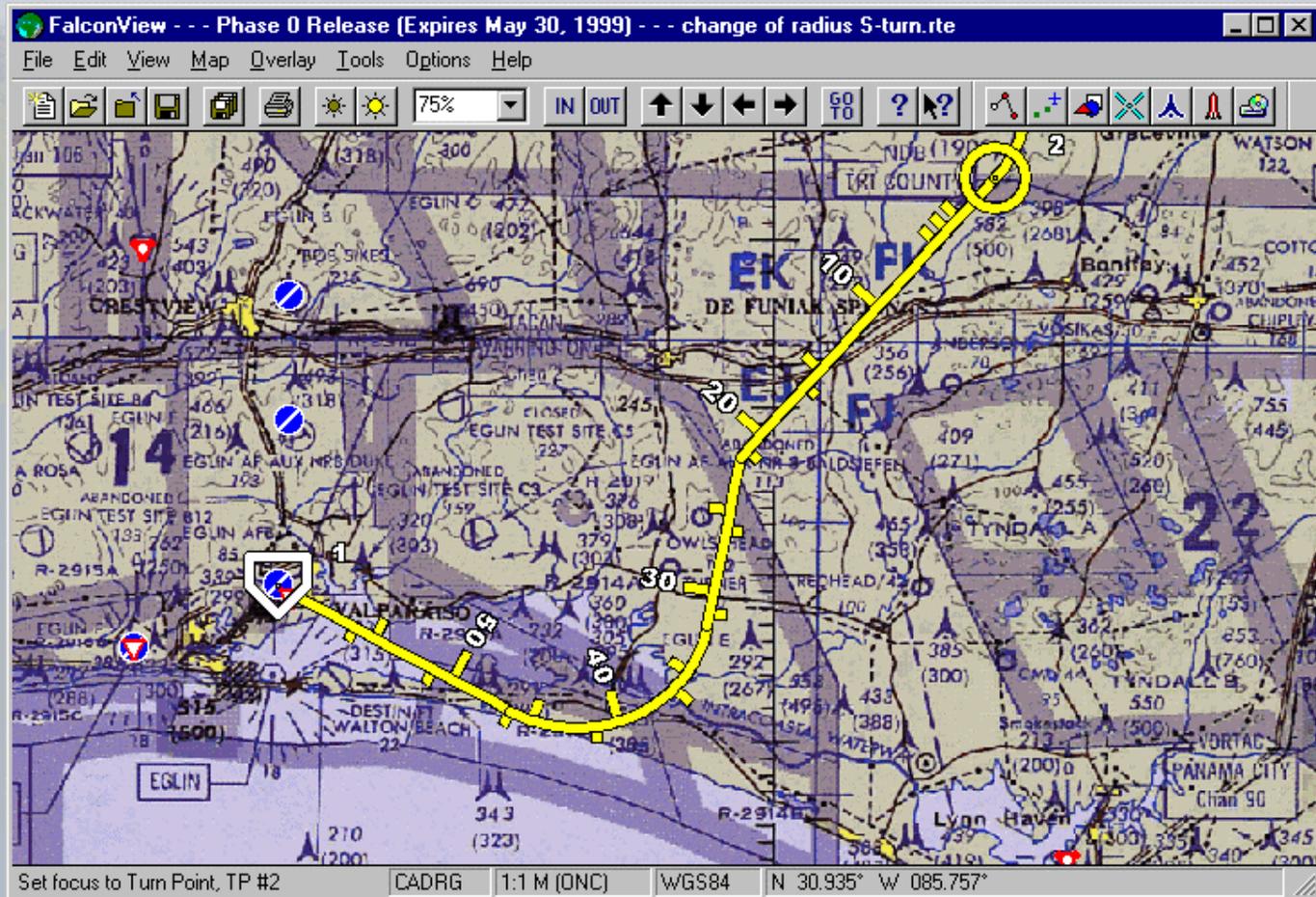


Orbit Tracks

- The route server defines
 - True course into the first turn
 - Length of the line segments
 - Turn radius
 - Turn arc
 - Turn direction
- These values fully define the race track
- FalconView 3.1 draws the orbit track using these values



STTO Radial Dog Leg With S-turn



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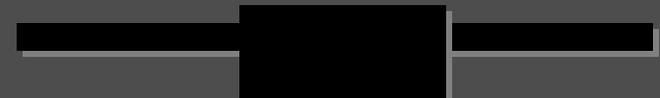
GPS Toolbar

- Connect/disconnect
- Serial communication options
- Auto center
- Auto rotate
- Show/hide trail points
- GPS property page
- Course deviation indicator (CDI)
- Playback dialog

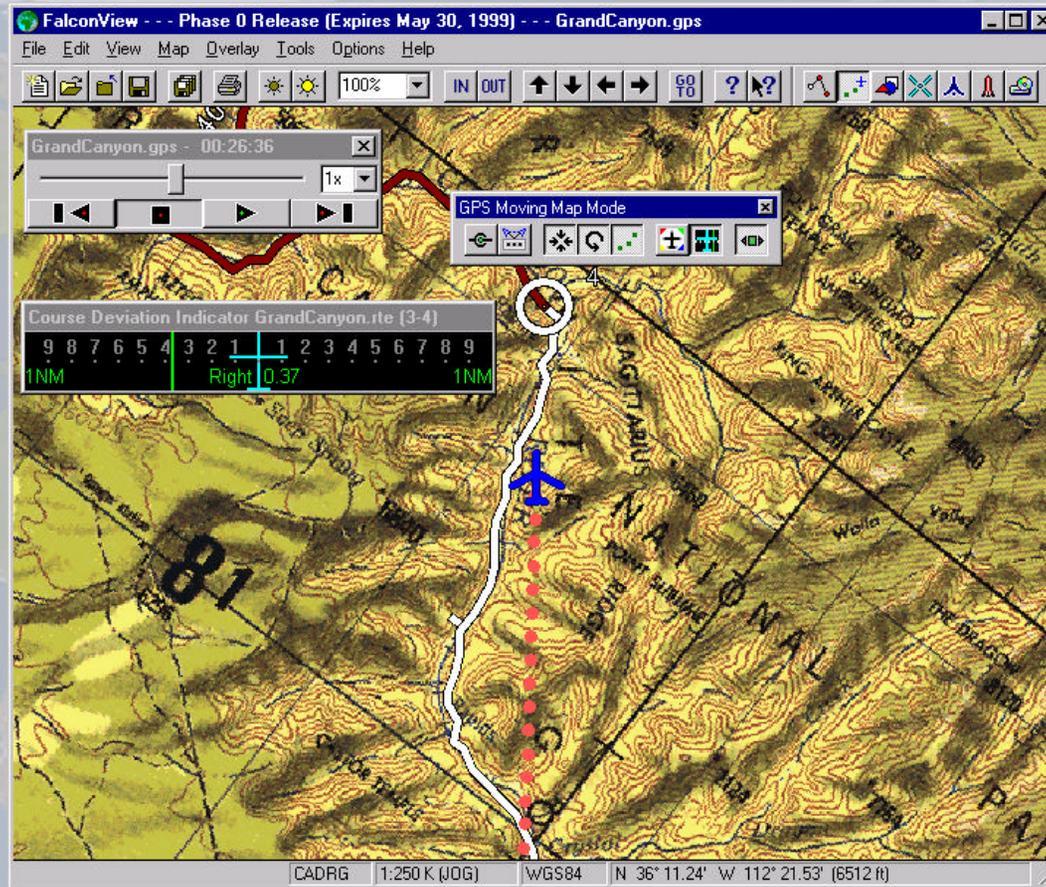


GPS Course Deviation Indicator

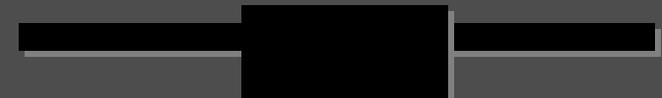
- Route name shown in title bar
- Route leg shown parenthetically
- Ship centered or course centered mode
- Selectable scale units shown on each side
- Course deviation shown in center



GPS Mode



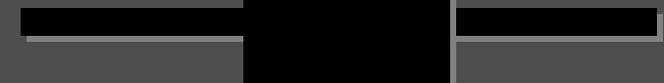
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CD ECHUM

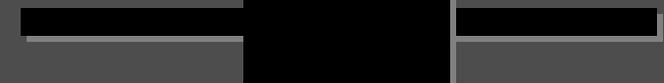
- Replaces existing NAVINFONET download with import from CADRG monthly update CD's
 - Significantly reduces total import time
 - Significantly reduces import complexity
 - Automatically prompts the user to import when more recent ECHUM data is detected (similar to DAFIF)
 - Eliminates redundant retrieval of data already at user's site

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CD ECHUM

- Enables collection of notes, warnings, and cautions not present in existing system
- More accurately calculates ECHUM data expiration
- Detects multiple forms of erroneous data
 - Invalid hemisphere identifiers: $37^{\circ} 54\phi 16^2$ N by $82^{\circ} 27\phi 02^2$ N
 - Invalid latitude or longitude values: $64^{\circ} 94\phi 43^2$ E
 - All multi-point data with excessive distance between consecutive points (e.G., A 4000-mile long railroad segment that crosses the Atlantic ocean)



About PFPS v3.2

- Air Drop C-17 / Formation Support
- Common Route Definition (CRD) Import/Export Tool
 - v3.1 ISM and v3.2
- New Forms Printing Module
- Ground & Maritime Route Planning Enhancements
- Air Refueling Tool Enhancements
- Configurable Menus/Toolbar (Allow 3rd-Party GUI Extensions)
- New Print Mnemonics (i.e. Airfield's Longest Runway)
- Waypoint Search Enhancements
- Air Drop Enhancements (Form Extensions and Warnings)
- Additional TOLD & Hover Support (Depends on FPM Schedule)
- Add Universal Transverse Mercator (UTM) Support



Mission Planning Intranet

- 46 TS/OGET Is Readyng an Intranet
 - Accessible by User, Developer and Test Community
 - Username / Password Protection
 - Improved Release/Beta Information
 - Encrypted Product Distribution

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Mission Planning Intranet, Cont.

- Secure server (https:\\ ... URL TBD), requires username and password to access
 - With browser-based encryption, PGP encryption of downloads no longer necessary!
- Request account/access via
 - Current website (www.mission-planning.eglin.af.mil) today
 - New, “Public” mission planning website (TBD) in future
- Request Form
 - What will be on the form:
 - Contact Information (Name, etc.)
 - SSN (will be password the very first log-on time)
 - Access level request (user, tester, developer, manager, sponsor, etc.)
 - Content request (Product Division/IPT, Service/MAJCOM products)
 - Fill out form (on-line) then:
 - Submit electronically
 - Print, get necessary signatures, FAX back to 46 TS/OGET (DSN872/(850)-882-6379)
 - When access is approved, notified via email (message includes username)
- Foreign Nationals requesting access will be referred ESC
 - <http://www.hanscom.af.mil/ESC-ACU/fms.html>



Mission Planning Intranet, Cont.

- Very first time logging-on
 - Enter username and password (SSN is very first log-on password)
 - Immediately required to select a password from randomly generated list
- Passwords
 - Expire every 90 days
 - At each log-on, shown how many days till current password expires
 - Can change password at any time
 - Notified, via email, 20/10/5 days prior to your password's expiration
 - If password expires:
 - Account will be DELETED
 - Must re-request access...
- If an approved Beta Tester, there will be improved support
 - Notification of new Beta versions
 - SPR/BCR vs. Beta information
 - On-line Problem Reporting



Mission Planning Intranet, Cont.

Access Request Form

Rank or Grade <input type="text" value="Select One"/>	Aircraft <input type="text" value="Select One"/>	Last Name <input type="text"/>	First Name <input type="text"/>	MI <input type="checkbox"/>
MAJCOM, TYPE COMM, Organization <input type="text"/>	Government Contract Number <input type="text"/>	Procurement Contracting Officer (PCO) <input type="text"/>	Expiration Date <input type="text"/>	PCO Phone <input type="text"/>
Social Security Number <input type="text"/>	E-Mail Address <input type="text"/>	Commercial Fax <input type="text"/>	DSN Exchange <input type="checkbox"/>	State <input type="text"/>
Commercial Phone <input type="text"/>	City/Base <input type="text"/>	City/Base <input type="text"/>	Zip <input type="text"/>	Zip <input type="text"/>
Address <input type="text"/>	Government Point of Contact (POC) <input type="text"/>	E-Mail <input type="text"/>	DSN Exchange <input type="checkbox"/>	
Government POC Phone <input type="text"/>				

Access Level(s):		Content Access:											
<input type="checkbox"/> User	<input type="checkbox"/> Developer	<input type="checkbox"/> Tester	<input type="checkbox"/> Manager	<input type="checkbox"/> Sponsor	AWE:	AF/ACC	AF/AMC	SOCOM	USN/USMC	AFRC	ANG	FMS	Other
					CWDS:	<input type="checkbox"/>	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					FPM:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
					PEX:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>
					PFPS:	<input type="checkbox"/>							

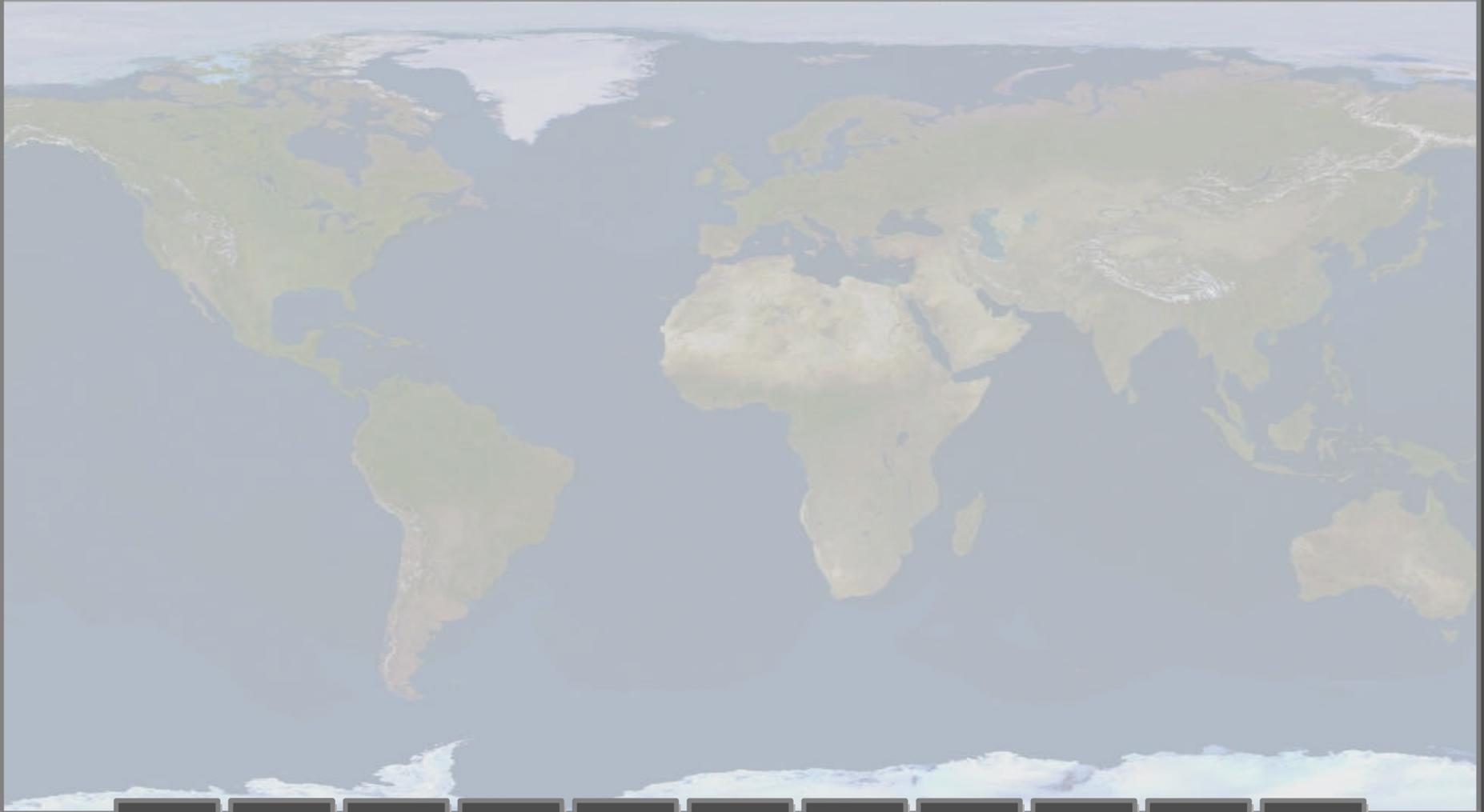
If "Other", specify:

Requester	<input type="text"/>	Date	<input type="text"/>
This form now requires the signature of the requesting party prior to processing. Your signature certifies that you have read and concur with the rules on the Instruction Page .			
Government POC	<input type="text"/>	Date	<input type="text"/>
This form now requires the signature of the Government POC. Your signature certifies that the requestor has proper approval and need to access Mission Planning information at the levels indicated.			



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