



DAFIF Error Reporting Process

(supports CNS/ATM Ops)

**Mission Planning
System Support Facility (MPSSF)**



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Briefing Objectives



- Error Reporting and Problem Resolution
 - Process for Error Reporting, Partner Agencies
 - MPSSF Coordination Role and Reporting Process
 - Screenshots from MPC (Mission Planning Central) website
 - Yearly Error Report summaries
 - Benefits and Resource Requirements

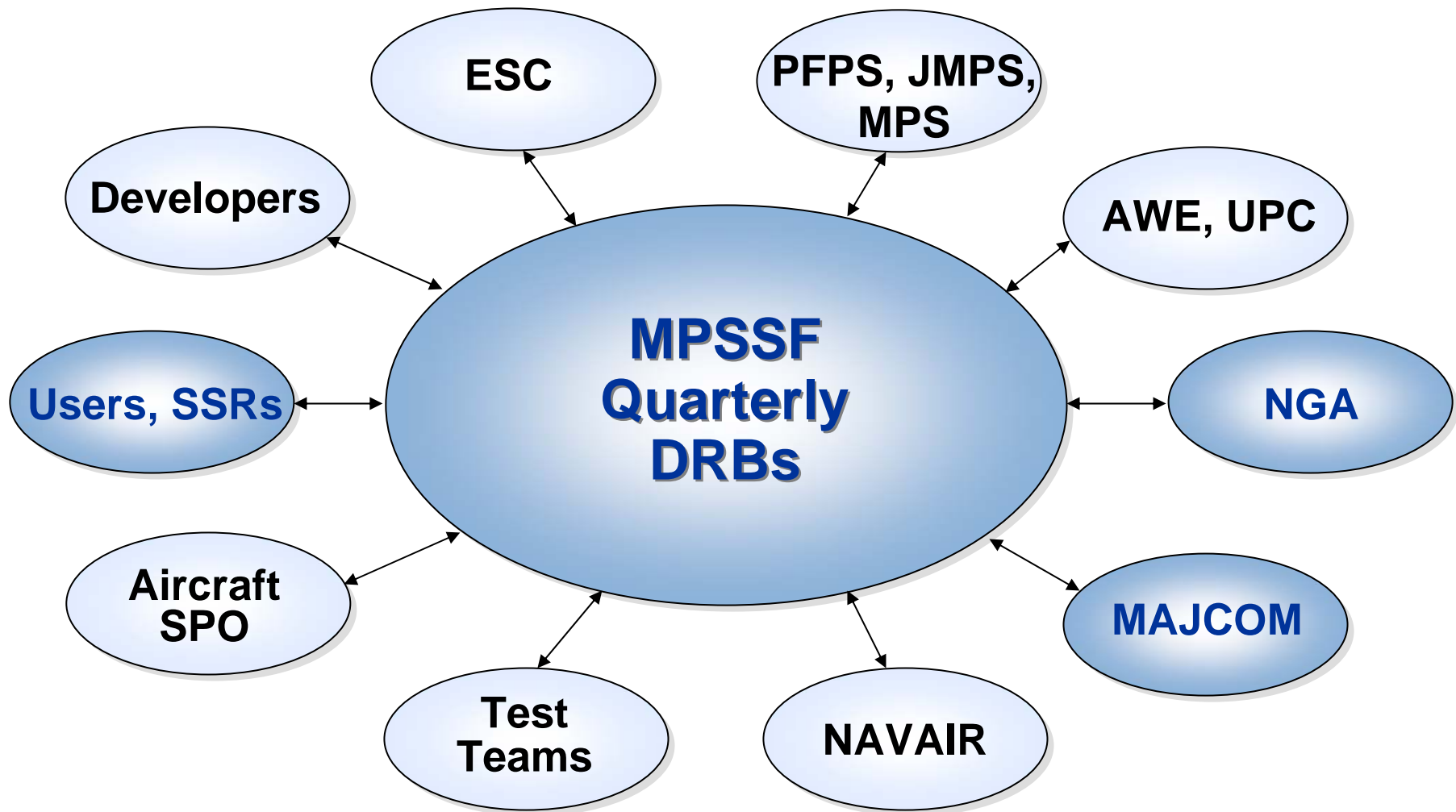


The Challenge

- CNS/ATM demands high integrity & reliability of the “Aeronautical Data Chain”
 - Functional links in data chain: *Origination, Transmission, Preparation, Application Integration, and End-Use*
 - Data used by CNS/ATM aircraft must adhere to Data Chain standards
 - End-Use requires error reporting & notifications to Users
- MPSSF Manages Reported Errors (DRs) as defined by RTCA/DO-200A (*standards for processing aeronautical data*)
- End-Use Error Reporting and Resolution can be challenging
 - Is problem really a DAFIF error? ...or...
 - Caused by flight planning system (PFPS, MPS, JMPS)?
 - Caused by Aircraft Weapons & Electronics (A/W/E)?
 - Caused by aircraft’s Flight Management System (FMS)?
 - Who in addition to NGA should be notified?



Partner Agencies





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MPSSF Coordination Role



- MPSSF is Single Point of Contact for USAF (or DoD) When DAFIF End-Users Report Errors
 - Provide Central Database Tracking (via EDR within MPC)
 - Conduct preliminary investigation of reported problem
 - Help responsible agency initiate 24-hour telecon for Safety-of-Flight deficiencies
 - Act as coordination hub to developers, vendors, NGA, etc.
 - Help responsible MAJCOM notify appropriate End-Users and disseminate problem resolution
 - Maintain and analyze metrics for process improvement



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Reporting Process

- MPSSF Has a Documented Process
 - DAFIF Data Error Reporting Process Service Plan
 - Service Plan backed up by formal QA policy & procedures (audits, peer reviews, etc.)
- Training for Personnel to Ensure Adherence to Process
 - MPSSF responsible for training MPSSF personnel & SSRs
 - Other agencies responsible for training their personnel
- Utilize Enterprise Deficiency Reporting Database (in MPC)
 - DAFIF is a selectable component for all fielded MPEs
 - Future EDR enhancements include CNS/ATM checkbox flag and auto-email notifications of DAFIF or CNS/ATM DRs



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Benefits and Resource Requirements



➤ Benefits

- End-User (Operator) gets a single point of contact at MPSSF
- MAJCOM and other agencies get faster notification of problems reported from diverse sources
- NGA gets more comprehensive feedback from End-Users

➤ Resource Requirements

- Additional training required for users and management agencies
- Additional workload on NGA to support quarterly DR Review Boards and provide updates to individual DR records



MPC Home Page

MPC-Home Up One Site MPC-Help Site Navigation

Mission Planning Central

CNS/ATM (DAFIF Error Reporting)

Modify Shared Page

Belliston, Scott Contr

UNITED ACCESS

Mission Planning Community
Site POC:
Mateski, Jim Contr

- Administration
- Members
- AD Groups

USAF

- A-10 "Warhog"
- B-1 "BONE"
- B-2 "Spink"
- B-52 "Stratofortress"
- C-130 "Hercules"
- C-17 "Globemaster III"
- C-5 "Galaxy"
- CNS/ATM (DAFIF Error Reporting)**
- E-3 "AWACS"
- E-8 "JSTARS"
- F-117 Nighthawk
- F-15
- F-16 "Viper"

CNS/ATM Home

Training Aids CNS/ATM Links Contacts Directive Documents

DAFIF Error Reporting (CNS/ATM)
Operational mission planners who discover a DAFIF data should enter a DAFIF Deficiency Report (DR) in the Enterprise Deficiency Reports database (EDR), which is replacing the Information Knowledge Center (IKC).

Even if DAFIF data from NGA is correct, it is possible for the data to be corrupted by mission planning systems or by aircraft avionics. It is not the report originator's job to troubleshoot the cause of the problem, but only to report all pertinent info via a DR submittal.

To enter a DR, look in MPC menu under "Product Line" to find "DR Dashboard". Then use the Tab titled "Sustainment DR Entry". The "Comments" tab is used to add a Comment to an already existing DR. To see this process click: [Show Me How To Enter a DAFIF Error in EDR](#).

Obtain help from your local System Support Rep (SSR) or from the MPSSF if necessary. If unsure how to reach your SSR, or how to input a DAFIF Error, please contact the MPSSF Helpdesk at 1-800-773-7739 or DSN 777-6538.

Most DRs entered thus far have been confirmed as DAFIF errors, but other PFPS, AWE, or onboard system errors could also impact navigational accuracy requirements for CNS/ATM. Even users of non-CNS/ATM aircraft can submit these DRs, especially if the error is serious enough to affect Safety of Flight.

In addition to reporting via DR, you can report DAFIF errors to Quality@NGA.mil, but do not Cc to Quality@NGA on subsequent Email traffic for each error because this will overload the NGA database, which only needs the initial report. If you need to Cc NGA on subsequent Emails, Cc to a particular individual at NGA (e.g., John.J.Leicht@NGA.mil).

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<https://portal.mission-planning.org>



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Submit New DR – Step 1



MPC
MISSION PLANNING CENTRAL

Home About MPC MPC Help

Mission Planning Central
Home

Belliston, Scott Contr

DoD Access

User Support

- US Army
- USAF
- USN
- SSF Downloads
- Enterprise Deficiency Reporting (DR)**

Welcome to "Mission Planning Central" information and collaboration. For an introduction to MPC and user support, contact 594-2899.

User Support Bre

Title
2007 Daylight Saving Time changes



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Typical DR Record



2006-12463

DRs Returned: 1

DR Number: 2006-12463

[Add Comments](#)

Status: Closed

Sub Status: Verified

Originator: jerry.w.garrison.AF

Deficiency/Failure: Deficiency

Priority: CAT II - 2A

Title: Lat-Lon Error for RIBIT Waypoint

Description: Waypoint RIBIT is 60NM off in DAFIF. The point in DAFIF is depicted at N54-54'-20" W129-55'-07". On the Canadian Enroute High Altitude chart HI2 it is described as exactly one degree north of that (at N55-54.3 W129-55.1). The point falls on the Canadian-US border, so it looks like the HI2 is the correct version.

Components:

DAFIF - 7 - 7/7/2006

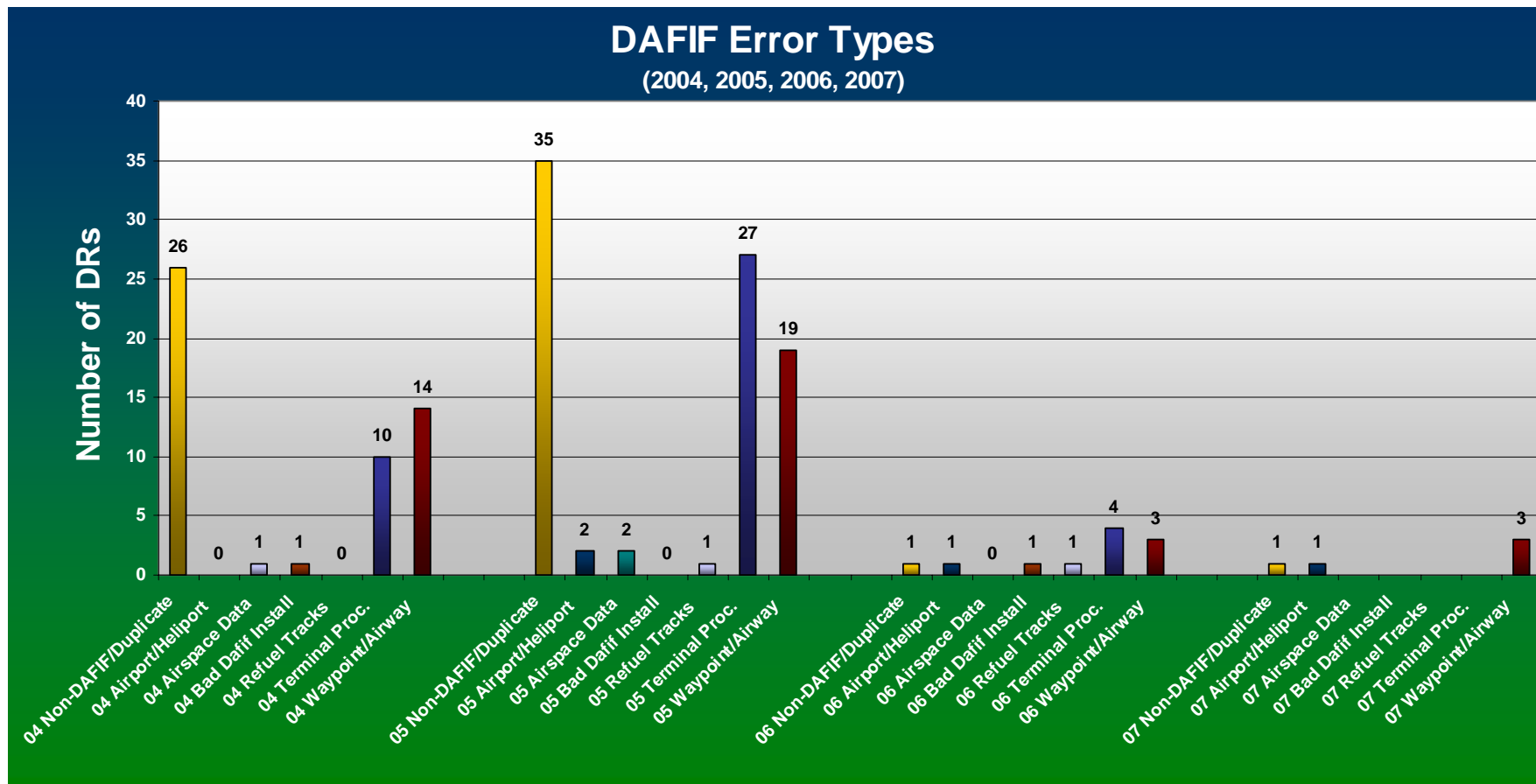
DAFIF - 8 - 8/4/2006

Attachments:

[DR_06-12463.pdf](#)



DAFIF Error Types





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Questions ?



✦ **MPC or EDR Questions:**

- ✦ mpc.help@mission-planning.org
- ✦ Toll Free 888-594-2899

✦ **Other Mission Planning Questions:**

- ✦ 800-773-7739 or DSN 777-6538
- ✦ hill.mpssfa@hill.af.mil

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