

TechNet

<http://technet.faa.gov>

An Overview



Federal Aviation
Administration

A screenshot of the TechNet website as it appeared in a Windows Internet Explorer browser window. The browser title is "TechNet - (703) 925-3177 - Windows Internet Explorer". The address bar shows "http://technet.faa.gov/". The page features a navigation menu with links like "Index", "Main", "NAS Status", "AM Brief", "NAS Delays", "NAS Mods", "Maint. Alerts", "TEX's", and "Emergency Ops". A main content area includes a section titled "FRDF & TPR Forms under the [TEX's] menu" with a text block and a "NEXT>>" link. To the right, there's a "DHS Threat Level" indicator showing "ELEVATED". Below this, there are sections for "Current Wx Warnings", "NAS Watch", "NAS Delays Dashboard", and "Auto-Notification Services" with a form to select an application and enter an email address. A "Related Links" section at the bottom contains a grid of links for various FAA departments. The footer includes contact information: "TechNet | 13600 EDS Drive | Suite 100 | Herndon, VA 20171", "Copyright ©2003", "Phone: (703) 925-3177", and "Email: 7-ava-TechNet@faa.gov".

Presented to: CM Workshop (Atlanta, GA)

Presented by: Donald Helbringer, Program Manager

Date: Sept. 19-20, 2007

Background - Overview

- TechNet - **Tech**nicians **Net**work
- Originally conceived in 1995, TechNet is an Intranet web portal which centralizes access to multiple internal/external resources allowing dissemination of NAS operational information
 - Also provides links to a myriad of NAS related info sources (such as FAA Orders, NOTAMS, GENOTS, weather sites, etc.)
- Built to resemble Windows® environment to maximize user familiarization with navigation of the site and minimize “webpage” stigma
- A Security Certification & Authorization Package (SCAP) was completed for TechNet in 2005
- A secure, reliable and redundant source of NAS operational information w/infrastructure in place to continue operations during emergencies
 - Applications & Databases are replicated to an off-site location



Evolution

- **Initially, posted Word version of: AMBriefing package, Maintenance Alerts, & Lessons Learned**
- **Converted to dbase format: historical archiving/referencing, search/query, & ad hoc reporting**
- **Read only access to FSEP – Equipment is the “common thread” in all TechNet tools & applications**
- **Long-term Outage Schedule (Facility Shutdown Schedule)**
 - Work-flow reengineering: multiple sources of input to NOCC
 - Facilitate collaboration via on-line tool
- **National Modification Index (NMI) & National Modification Tracking System (NMTS)**
- **Interface to Operational Data Store (ODS) providing access to MMS logs (LIR, LCE, LCM, LPM, & LEM)**
 - Enhanced LEM data credibility
 - Led to search/query/reporting for other MMS log events



Evolution - (cont'd)

- **National workgroup formed to begin development of Performance Toolbox**
 - Coordinated by NOG Manager, NAS QA & Perf Team Manager, SA Tech Ops & Engineer Services Managers, & OCC Managers
 - Base lined effort utilizing policy requirements & quarterly reports being submitted within WSA
 - Consists of real-time status tools & reports
 - Resulted in MMS Logs Dashboard



Significant NOCC Applications

- **Generation & distribution of NOCC's AMBriefing Package:**
 - Presented daily to the ATO Executive Management Team
 - Integrated into NOCC's Event Manager for nationally reportable events
 - Used as an FAA-wide template to assist the generation of consistent local briefing reports
 - Hosts outage reports, indices that list active ILS, ASDE, and VOR facilities incurring full or scheduled outages
 - Provides search & download function so users can readily find & view events relating to their SA/DO/facilities
 - Generates the MMS History Report which provides 1-yr facility interruption history for NOCC Briefing Package events
 - Eases the cross-referencing of outage information



Significant Applications

- **NOCC Summary Briefing Report (Daily)**
- **Maintenance Alerts**
- **Technical Exchange (Tex)**
- **Long-term Outage Schedule**
- **NAS Delays**
- **Directive Distribution System**
- **MMS Logs (Logs Dashboard)**
- **Emergency Ops**
- **NAS Defense Program (NDP)**



Usage

- **Monthly Averages for 3rd Qtr FY07**

- Page Views: 507,940 (421,844)
- Unique Visitors: 6,442
- Total Visits: 44,878

- **Frequently Accessed Tools:**

- National MMS Log Dashboard: provides a single rolled-up view of maintenance related logs to support both maintenance & management requirements
- National Modification Index (NMI): enables email-based notifications of modifications that have been released by second level engineering as well as a simple to use a database application providing links to the modification documents
- NAS Delays: database application providing a summary of air traffic delays as they pertain to equipment outages
- National Modification Tracking System (NMTS): provides access to data which provides the status of modifications as they pertain to specific NAS systems at specific locations (MMS LEM Records)
- ATO Maintenance Alerts (ATO MA): coordinated operational and engineering support related information disseminated to the field regarding NAS operational emergencies and/or “hot” items

- **Users: Primarily - ATO**

Infrastructure

- **All servers run Windows Server 2003 SP1**
- **All equip is < 2 yrs old (Except for RTS PW120)**
- **Consists of:**
 - 2 Dell PowerEdge 1850 Web/Application Servers (Prod/Stage)
 - 1 Dell PowerWeb.120 Web/Application Server (RTS)
 - 2 Dell PowerEdge 2850 Virtual Server (Stage/RTS)
 - 1 Dell PowerEdge 2950 Virtual Server Host (Prod)
 - 2 Dell PowerEdge 6450 10g R2 Database (Dvlp/RTS)
 - 1 Dell PowerEdge 6850 Oracle 10g R2 Database (Prod)
 - 1 Dell PowerEdge 6950 SQL Server Database (Prod)
- **Physical & Virtual Configuration**
- **Dual Core & Quad Processors**

Data Sources

- **Facility, Service and Equipment Profile (FSEP) – Equipment is the common thread in all TechNet applications**
- **Maintenance Management System (MMS) via Operational Data Store (ODS)**
- **NOCC Event Manager (EM) & Metrics Server**
- **NAS Performance Analysis System (NASPAS)**
- **Flight Check Database**
- **Databases created to support TechNet applications (approx 24)**

Navigation & Page Structure

- **TechNet's navigational menu remains displayed across the top of the site: contains sources of data that allow research, drill-down and cross-reference.**

Home Applications Facility Info Reference FAA Orders Weather Links Perf. Tools & Rpts Emerg. Ops OCC NOCC  Help Tech Support: (703) 925-3177

- **Blue Categorized Tabs contain pre-filtered, ready to use information.**

[Index](#) [Main](#) [NAS Status](#) [AM Brief](#) [NAS Delays](#) [NAS Mods](#) [Maint. Alerts](#) [TEX's](#)

- **Drop-down menus are familiar to users**
- **Customized 'right-click' menu eases navigation**



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TECHNET [SHOW MENU](#) [HOME](#) [[<< BACK](#)] [[FWD >>](#)] [[REFRESH](#)] [[PRINT](#)] [[TIME](#)] **Wednesday September 12, 2007**

Index	Main	NAS Status	AM Brief	NAS Delays	NAS Mods	Maint. Alerts	TEX/TER
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FY-08 Holiday Moratorium 11/16/07 - 1/2/08
 The FY 08 Holiday Moratorium dates have been identified:

Thanksgiving: 11/16/07 7PM EST (00Z)-11/26/07 3AM EST (08Z)
Christmas: 12/14/07 7PM EST (00Z) thru 01/02/08 3AM EST (08Z)

Waivers will be accepted after September 1, 2007.
 Questions? contact Jim Hefty (703) 925-3026. [More Info](#)

[NEXT >](#)

Current Wx Warnings!
[Current NAS Weather](#)
[Current Local Weather](#)
[Unisys Nat'l Radar Summary](#)
[Intellicast Radar Map](#)
[GOES Enhanced Animation](#)
[Airport Conditions](#)

[24 Hr. Threat Forecasts](#)
[24 Hr. Surface Forecast](#)
[5 Day Hazard Assessment](#)

[Northwest Atlantic Satellite](#)
[Atlantic Analysis](#)

[USDA Forest Service](#)
[River Flooding](#)
[Drought Monitor](#)
[Earthquake Events](#)
[NOAA Ionosphere Reports](#)

NAS Watch: 2

NAS Delays Dashboard: ?



Calendar is under the gray [NOCC] Menu

Auto-Notification Services: ?

Select which service you'd like to receive email:

Select an application

Type your email address here

[UNSUBSCRIBE](#) from our notification list?

Related Links:



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Wednesday September 12, 2007

AM Brief NAS Delays NAS Mods Maint. Alerts TEX/TPR

DOCUMENTS

for the FS21 Technical Operations at the Lockheed Martin HUB facility -26, 2007.

Update Internet Explorer
TechNet Chat! Server
Live Virus Tracking
Local Wx
ELEVATED
DHS Threat Level

NEXT>>>

NAS Watch:

NAS Delays Dashboard:

Calendar is under the gray [NOCC] Menu

Auto-Notification Services:

Select which service you'd like to receive email:

Select an application

Type your email address here

Subscribe Reset

UNSUBSCRIBE from our notification list?

Related Links:

- ATO Maintenance Alerts
- ATO Risk Management (ARM)
- Directive Distribution System (DDS)
- Disaster Tracking System (DTS)
- Facility Service and Equipment Profile (FSEP)
- Long-term Outage Schedule (LOS)
- Lessons Learned
- MMS Log Events
- NAS Defense Program
- NAS Equip & Related Delays
- Nat'l Modification Index System**
- Nat'l Modification Tracking System**
- NOCC Event Manager Tickets
- NOCC Nat'l Incident Log
- RMM Information Mgmt System (RIMS)
- Spectrum Engineering Tracking System (SETS)
- S/W and H/W Activity Recording Application (SAHARA)
- Significant Event Reports (SER)
- Technical Exchange (TEEx)
- Teletype Writer Exchanges (TWX's)
- River Flooding
- Drought Monitor
- Earthquake Events
- NOAA Ionosphere Reports

Configuration Management Surveillance (ATB-400) - Microsoft Internet Explorer

Address: http://172.27.70.31/cm/index.cfm

Configuration Management Surveillance (ATB-400)

- Public Home
- Admin Area
- Site Map
- Log Off

ATB-400 GO! Public Area

Public Area

- Home
- News
- Case File Info**
- CM Initiatives
- Meetings
- Schedules
- Minutes
- Agendas
- Activities
- Service Teams
- CM Sites
- Doc Review
- CM Calendar
- Web Feedback

Surveillance Configuration Management

The Surveillance Systems Engineering Services (SSES), ATB-410, was established to provide engineering expertise and technical support to the Sectors and other FAA organizations in developing/ implementing new technologies, ensuring that surveillance products meet the needs of customers and users, and that the systems are consistent with the future FAA architecture for a safe and efficient National Airspace System. Our mission is to support the acquisition of Surveillance systems by providing Configuration Management, Systems Engineering, Environmental, Financial, and other programmatic/engineering support. This Site was created to provide access and support to the first of these:

Configuration Management (CM)

Mission/Structure

Configuration Management (CM) -

CM is a formal engineering management discipline in the Surveillance Sector that applies technical and administrative direction to the development, production, and life cycle support of a configuration item.

To review the following documents click on the enabled link :

- The [Charter](#) for the Configuration Control Board (CCB).
- The new [Draft Charter](#) for the Configuration Control Board (CCB).
- The [Operating Procedures](#) for the CCB.
- The Surveillance [CM Plan](#).

NCPs

- Search NCPs
- Download Blank NCPs
- Request AD Hoc Reports

Documents

- Charter
- Draft Charter
- Operating Procedures
- CM Plan
- Audit Guidance Doc
- Change Control Process

Configuration Management Surveillance (ATB-400) - Microsoft Internet Explorer

Address: http://172.27.70.31/cm/activities/ncp/ncp.cfm#Search

Configuration Management Surveillance (ATB-400)

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ATB-400 GO! Public Area

Public Area

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- CM Calendar
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- [Download Blank Case File/NCP Forms and Worksheets](#)
- [Search Current Case File/NCPs](#)
- [AD Hoc Reports](#)
- [Download Adobe Acrobat Reader](#)

Download Documents:

The following Word format documents can be downloaded to complete the form electronically.

All Acrobat documents should be used only as a printable copy when the NCP is to be completed manually. You will not be able to fill out Adobe documents electronically.

Case file/NCP Form - Word Format	Case file/NCP Form - Acrobat
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New Look (cont'd)

TechNet Homepage - Microsoft Internet Explorer

File Edit View Favorites Tools Help Address

Back Forward Stop Home Search Favorites Media Print Copy Paste

SnagIt Google Go Bookmarks Check AutoLink Send to Settings

Links MIA MIA Search MIA Entry NMI Subscribers NMTS MIS MID Main Page BITS II KSN PBView PRISM ATO Online Delphi

Home Applications Facility Info Reference FAA Orders Weather Links Perf. Tools & Rpts Emerg Ops OCC NOCC <-> Help

Home | Go Back | Go Forward | Refresh | Print

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#	Title	Date
1	Management Show up	10/16/2007 1:35:04 PMZ
2	NOCC NOM: (7) This phone may elaborate additional	10/17/2007 4:31:35 PMZ
3	ATO-W FIR Leads Ntnl - Lynn M Williams 703-925-3094 ESA - Alan Stensland 404-305-6670 CSA - Shellie Sabatini 847-294-8463	5/17/2007 4:30:38 PMZ

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