

# CDM 2015 Spring Training

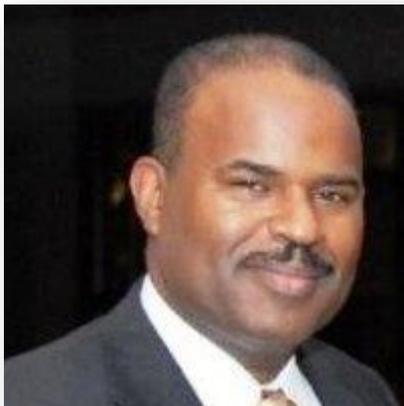


**CDM**

Collaborative  
Decision Making



# CDM Training Team Co-Leads



Darnell Jones  
FAA



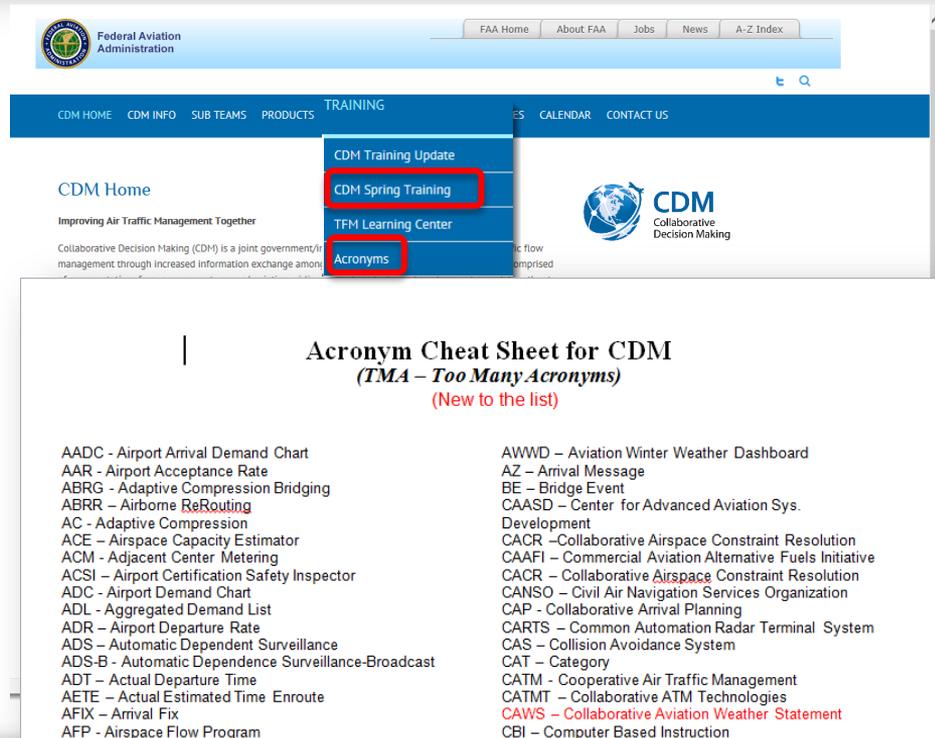
Gary Dockan  
American Airlines  
/ US Airways

The intent of this presentation is to **bring an awareness of changes to procedures and technology** that have taken place since Spring of last year and new procedures and policies that will effect you and the NAS this spring / summer. We also included additional **CDM reference material** for your use.

This presentation will include more information than you would normally need to teach with. **Use this material as necessary to meet the needs of your audience.**

This presentation can be downloaded at  
the CDM website ([cdm.fly.faa.gov](http://cdm.fly.faa.gov))  
Go to > Training > CDM Spring Training

Free Acronym list to the first 5,000  
that download this years CDM  
Spring Training.



The screenshot shows the FAA website's navigation menu with 'CDM Spring Training' and 'Acronyms' highlighted in red. Below the menu is a section titled 'Acronym Cheat Sheet for CDM (TMA - Too Many Acronyms) (New to the list)'. The list includes:

- AADC - Airport Arrival Demand Chart
- AAR - Airport Acceptance Rate
- ABRG - Adaptive Compression Bridging
- ABRR - Airborne ReRouting
- AC - Adaptive Compression
- ACE - Airspace Capacity Estimator
- ACM - Adjacent Center Metering
- ACSI - Airport Certification Safety Inspector
- ADC - Airport Demand Chart
- ADL - Aggregated Demand List
- ADR - Airport Departure Rate
- ADS - Automatic Dependent Surveillance
- ADS-B - Automatic Dependence Surveillance-Broadcast
- ADT - Actual Departure Time
- AETE - Actual Estimated Time Enroute
- AFIX - Arrival Fix
- AFP - Airspace Flow Program
- AWWD - Aviation Winter Weather Dashboard
- AZ - Arrival Message
- BE - Bridge Event
- CAASD - Center for Advanced Aviation Sys. Development
- CACR - Collaborative Airspace Constraint Resolution
- CAAFI - Commercial Aviation Alternative Fuels Initiative
- CACR - Collaborative Airspace Constraint Resolution
- CANSO - Civil Air Navigation Services Organization
- CAP - Collaborative Arrival Planning
- CARTS - Common Automation Radar Terminal System
- CAS - Collision Avoidance System
- CAT - Category
- CATM - Cooperative Air Traffic Management
- CATMT - Collaborative ATM Technologies
- CAWS - Collaborative Aviation Weather Statement
- CBI - Computer Based Instruction

# Training Team Contributors

Gary Dockan – US Airways/American Airlines

Darnell Jones – ATCSCC

Frank McIntosh – ATCSCC

James Hamilton – UPS

Laura Robinson-Flores - ATCSCC

Tim Niznik – American Airlines

Michael D. Murphy ATCSCC

Ernie Stellings – NBAA

Lisa Ake – NATCA

Don Wolford – United Airlines

Mark Holben – ATCSCC

Mack Horton - NATCA

Kevin Johnston – ATCSCC

Tom Lloyd – JetBlue

Matt Tucker - NATCA

Jill Sparrow – ATCSCC

Charlie Meade – American Airlines

Keith Alexander - ATCSCC

Mike Sterenchuck– American Airlines

Robert Goldman – Delta

Kyle Andrews - NATCA

Tim Stull – American Airlines

Mark Hopkins – Delta



# TOPICS FOR 2015 CDM SPRING TRAINING

- CDM Subgroup Update Presentations
  - WET/FET/CAT/FCT/SCT/FPRT
- Applications, Procedures, Programs & Updates
  - CCFP / CAWS
  - CTOP UPDATE
  - NAS VISION 2015
  - TMA-RT TIMES FOR INDUSTRY
- CDM Training Team Resources



# CDM Subgroup Updates



Weather Evaluation Team



Flow Evaluation Team



CDM Automation Team



Future Concepts Team



Surface CDM Team



Flight Plan Resolution Team



- CCFP / CAWS
- NAS VISION 2015
- CTOP UPDATE
- TSD-C Reference Material
- TMA-RT TIMES FOR INDUSTRY
- Playbook/CDR changes for 2015



# CCFP and CAWS



**Aviation Weather Statement**  
 NOTE: The Operational Bridging Demonstration and Aviation Weather Statement (AWS) will run from June 3 - Aug 30, 2013. During the month of May, intermittent AWS may appear on this page in preparation for the full demonstration, as convective events occur.

Number 0123 issued at 2013/07/22 1801UTC

AVIATION WEATHER STATEMENT VALID: 1900Z

AVIATION WEATHER CENTER (NWS/AW/ACEP) ISSUED: 1801 UTC MON 22 JUL 2013

AVIATION WEATHER STATEMENT 0123  
 NWS AVIATION WEATHER CENTER KANSAS CITY MO  
 1800 UTC MON 22 JUL 2013

VALID TIME...1900Z

NAS ELEMENTS EFFECTED...WEST GATES

CONSTRAINTS...ISOL TOPS TO FL400 WEST OF PHL WILL MOVE NORTH TO THE WEST GATES OVER THE NEXT HOUR AND INCREASE TO +40% COVERAGE IN THE AREA OUTLINED WITH TOPS FL420.

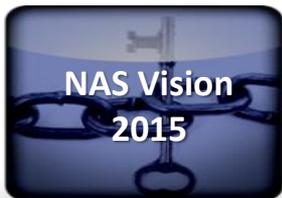
The WET CDM Subgroup updates us with the Automated CCFP, CAWS (Collaborative Aviation Weather Statement) and Operational Bridging.



CDM

Collaborative  
Decision Making

# NAS Vision 2015



- Presenter 1 (P1) is primary speaker to start (NTMO/NOM)
- Welcome and introductions.
- Happy to be here to share NV2015 with you. This information rarely gets communicated directly to the field. Great opportunity to get floor personnel to the field to talk with those on the other side of the phone. Put a face to the voice.
- Specifically thank Facility Chief, TMO, Facrep and Area Rep
- Who am I and what I do at DCC
- Briefing is about 90 minutes with extra time built in for Q&A. We blocked 3 hours for the presentation. We can do a break ½ way if we want.
- Please ask questions as we go.

Notes Included in Presentation

- In an effort to better support the Industry during the Planning Team Telcons, ATCSCC is working to improve the Planning Telcon preparation, situational awareness, communication, create a consistent message and enhance stakeholder input.
- This ppt highlights these objectives.



# TMA-RT Times for Industry



Flight List: PHL 06/1547 LIVE

File View Flight List Help

PHL 03/06/2015 15:47Z

Current Info

Data: Arrivals  
Filter(s): Ground Stopped OR Dep (Past ETD) OR Dep (No CTD) OR Dep (CTD Issued) OR Dep (CTD Other Element) OR 06/1700 and 06/1759

	ACID	TYPE	ETD	ETA ▲	DCENTR	ORIG	AFIX	DFIX	DEST	TMA-RT
1	AWE775	B752	E06/1341	E06/1705	ZSU	TJSJ	JHMS	-	PHL	-
2	RPA4637	E170	A06/1637	L06/1706	ZDC	BWI	DQO	SWANN	PHL	-
3	AAL1210	B738	A06/1458	E06/1707	ZMA	MIA	ESSO	HEDLY	PHL	-
4	SWA1128	B737	A06/1547	E06/1709	ZTL	ATL	ESSO	DAWGS	PHL	-
5	TCF5900	E145	L06/1623	E06/1713	ZDC	RDU	ESSO	FAK	PHL	-
6	AW10275	CRJ2	A06/1625	E06/1716	ZAU	GRR	BUNTS	-	PHL	-
						EWR	PTW	WHITE	PHL	-
						PIT	BUNTS	JST	PHL	-
						DEN	BUNTS	EXTAN	PHL	-
11	EJA565	C56X	A06/1504	E06/1724	ZMA	07FA	ESSO	-	PHL	-
12	AWE1748	A321	A06/1507	E06/1728	ZFW	DFW	ESSO	TRRCH	PHL	-
13	PDT4745	DH8A	L06/1635							
14	AWE1944	A319	L06/1639							
15	AW13896	CRJ2	L06/1655							
16	JIA5211	CRJ2	L06/1625							
17	AWE1933	A319	L06/1615	L06/1736	ZAU	ORD	BUNTS	MOBLE	PHL	-

ETD should update to TMA-RT time, pre-fixed with "M"

TMA-RT field in flight list will contain the scheduled TBFM departure time.

- TBFM scheduled departure times are expected to populate TFMS/FSM in Spring 2015 (TBFM data exchange is still in testing)
- Once TBFM scheduled departure times begin populating the data, they can be viewed in FSM/ESM version 11 by selecting the field "TMA-RT" (TMA Release Time)

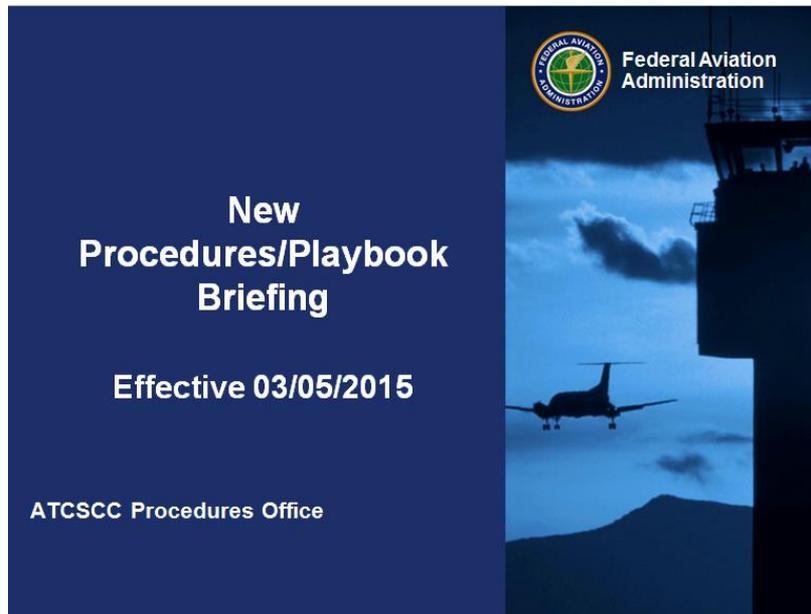


# Playbook/CDR changes for 2015

Playbook/CDR  
2015 Changes  
Briefing

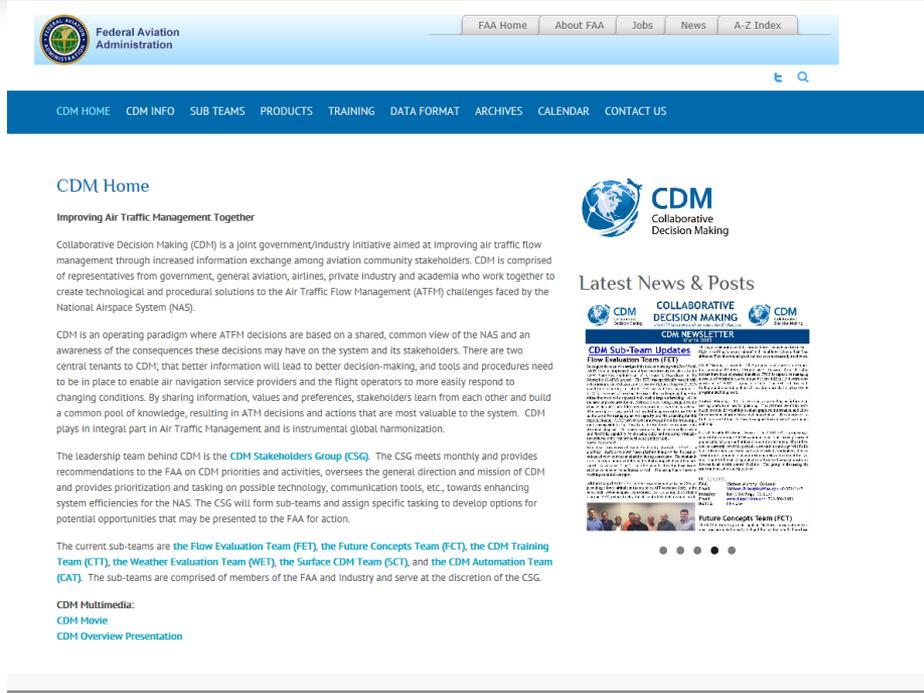
2015 Playbook  
Changes

2015 CDR  
Changes



Briefing for 2015 Playbook / CDR changes.

- DC Metro New Procedures
- IND New Procedures
- AUS New Procedures
- MSP New Procedures
- ZOA New Procedures
- Amended Playbooks
- Deleted Playbooks
- New Playbooks
- CAN Route Changes



The screenshot shows the FAA CDM website with the following content:

- Navigation:** FAA Home, About FAA, Jobs, News, A-Z Index
- Menu:** CDM HOME, CDM INFO, SUB TEAMS, PRODUCTS, TRAINING, DATA FORMAT, ARCHIVES, CALENDAR, CONTACT US
- Section: CDM Home**
  - Improving Air Traffic Management Together**

Collaborative Decision Making (CDM) is a joint government/industry initiative aimed at improving air traffic flow management through increased information exchange among aviation community stakeholders. CDM is comprised of representatives from government, general aviation, airlines, private industry and academia who work together to create technological and procedural solutions to the Air Traffic Flow Management (ATFM) challenges faced by the National Airspace System (NAS).

CDM is an operating paradigm where ATFM decisions are based on a shared, common view of the NAS and an awareness of the consequences these decisions may have on the system and its stakeholders. There are two central tenants to CDM; that better information will lead to better decision-making, and tools and procedures need to be in place to enable air navigation service providers and the flight operators to more easily respond to changing conditions. By sharing information, values and preferences, stakeholders learn from each other and build a common pool of knowledge, resulting in ATM decisions and actions that are most valuable to the system. CDM plays an integral part in Air Traffic Management and is instrumental global harmonization.

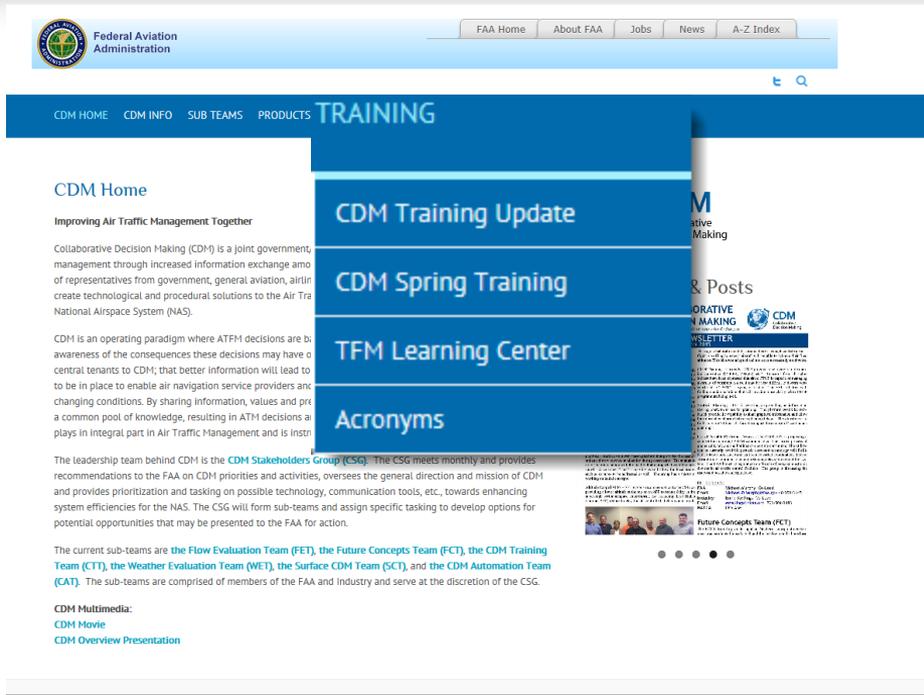
The leadership team behind CDM is the **CDM Stakeholders Group (CSG)**. The CSG meets monthly and provides recommendations to the FAA on CDM priorities and activities, oversees the general direction and mission of CDM and provides prioritization and tasking on possible technology, communication tools, etc., towards enhancing system efficiencies for the NAS. The CSG will form sub-teams and assign specific tasking to develop options for potential opportunities that may be presented to the FAA for action.

The current sub-teams are the **Flow Evaluation Team (FET)**, the **Future Concepts Team (FCT)**, the **CDM Training Team (CTT)**, the **Weather Evaluation Team (WET)**, the **Surface CDM Team (SCT)**, and the **CDM Automation Team (CAT)**. The sub-teams are comprised of members of the FAA and Industry and serve at the discretion of the CSG.
  - CDM Multimedia:**
    - [CDM Movie](#)
    - [CDM Overview Presentation](#)
- Latest News & Posts**
  - CDM NEWSLETTER**
  - CDM Sub-Team Updates**
  - Flow Evaluation Team (FET)**
  - Future Concepts Team (FCT)**

[cdm.fly.faa.gov](http://cdm.fly.faa.gov)

The CDM Training Drop Down Menu allows you easy access to:

- CDM Training Updates
- CDM Spring Training
- TFM Learning Center
- Acronyms



The screenshot shows the FAA website's CDM Training page. A blue navigation bar at the top contains links for 'CDM HOME', 'CDM INFO', 'SUB TEAMS', 'PRODUCTS', and 'TRAINING'. The 'TRAINING' dropdown menu is open, displaying four options: 'CDM Training Update', 'CDM Spring Training', 'TFM Learning Center', and 'Acronyms'. The main content area on the left is titled 'CDM Home' and includes sections for 'Improving Air Traffic Management Together', a description of CDM, the 'CDM Stakeholders Group (CSG)', and 'CDM Multimedia' with links to 'CDM Movie' and 'CDM Overview Presentation'.

## CDM Training Update Page

TRAINING

CDM Training Update

CDM Spring Training

TFM Learning Center

Acronyms

### CDM Training Update

Training on new procedures and processes is critical in the successful implementation of new products that originate from the CDM community. The goal is to ensure members are educated and proficient on these upcoming tools through periodic updates as the year progresses. This gives NAS users the opportunity to have common situational awareness of current CDM training products by way of a CDM training distribution center.

Current Training Materials:

 <a href="#">CDM-CCFP_CAWS-Spring2015-FINAL.pptx</a>	3.0 MB	2/3/2015 1:27 pm
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Supporting Documents:

 <a href="#">AIM_Acronym.docx</a>	23.9 KB	1/31/2015 4:33 am
 <a href="#">ATC Coordinators Acronym Sheet.doc</a>	50.5 KB	1/31/2015 4:35 am
 <a href="#">CDM_Common_Terms_Acronym.docx</a>	29.4 KB	1/31/2015 4:35 am
 <a href="#">Centers_Tracons_Acronym.docx</a>	16.3 KB	1/31/2015 4:35 am
 <a href="#">TFM_in_the_NAS_Booklet_ca10.pdf</a>	739.2 KB	1/31/2015 4:35 am
 <a href="#">UDP_GDP_GA_Presence.doc</a>	232.5 KB	1/31/2015 4:33 am

Additional Documents: [Training Archive](#)

CDM Training Update page is a supplement to the CDM Spring Training page. Anytime there is a CDM related training update after CDM Spring Training has been released, the update will be loaded on this page and a notification will be sent out to the CDM Community.



## CDM Spring Training

- TRAINING
- CDM Training Update
- CDM Spring Training**
- TFM Learning Center
- Acronyms

### CDM Spring Training

Training on new procedures and processes is critical in the successful implementation of new products that originate from the CDM community. The goal is to ensure members are educated and proficient on these upcoming tools through annual spring training. This gives NAS users the opportunity to have common situational awareness of current CDM training products by way of a CDM training distribution center.

Current Training Materials:

<a href="#">Spring Training 2015.zip</a>	44.3 MB	8/7/2014 12:00 am
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Supporting Documents:

<a href="#">AIM_Acronym.doc</a>	155.5 KB	8/4/2014 4:42 pm
<a href="#">ATC Coordinators Acronym Sheet.doc</a>	50.5 KB	2/26/2014 5:03 pm
<a href="#">CDM_Common_Terms_Acronym.doc</a>	122.0 KB	7/24/2014 5:40 pm
<a href="#">Centers_Tracons_Acronym.doc</a>	76.0 KB	7/24/2014 5:40 pm
<a href="#">TFM_in_the_NAS_Booklet_ca10.pdf</a>	739.2 KB	2/26/2014 5:03 pm
<a href="#">UDP_GDP_GA_Presence.doc</a>	232.5 KB	8/8/2014 1:13 am

The “CDM Spring Training” page is the epicenter for access to all CDM related CDM training that will be introduced or updated for the upcoming Spring/Summer/Fall.

## TFM Learning Center

- TRAINING
- CDM Training Update
- CDM Spring Training
- TFM Learning Center
- Acronyms

Welcome To The Traffic Flow Management Learning Center



POTOMAC CONSOLIDATED SYSTEMS  
AIR TRAFFIC CONTROL SYSTEM  
COMMAND CENTER ENTRANCE

Customer Training	Learning Library	NTMC 50113	ARTCC Training	Useful Links	Training Apps
Upcoming Training		Portal Login		Ongoing Training	

 <p><b>Air Traffic Flow Management Workshop</b></p>	 <p><b>NAS 2015 OPS Strategies</b></p>	<table border="1"> <thead> <tr> <th>Course Name</th> <th>Completed Date</th> </tr> </thead> <tbody> <tr> <td>March 2015 RT</td> <td>04/06/15</td> </tr> </tbody> </table>	Course Name	Completed Date	March 2015 RT	04/06/15
Course Name	Completed Date					
March 2015 RT	04/06/15					
 <p><b>TSD-F Training</b></p>	 <p><b>CDM Collaborative Decision Making</b> CCFP and CAWS WET Date: Spring 2015</p>	<p><b>Chicago Approach Briefing</b></p> <p>"East Flow" Runway 10R/28L Utilization</p>				
<p>Collaborative Strategy Forum Training</p>	 <p><b>Air Traffic Control System Command Center Overview</b></p>	 <p><b>THIS IS CTOP</b></p>				

TFM Learning Center is a great resource for Industry as well as FAA. (Click on the TFM Learning picture to launch the website.)





# TFM Learning Center

## TFM Learning Center

- TRAINING
- CDM Training Update
- CDM Spring Training
- TFM Learning Center
- Acronyms

Welcome To The Traffic Flow Management Learning Center

POTOMAC CONSOLIDATED TERMINAL  
AIR TRAFFIC CONTROL SYSTEM  
COMMAND CENTER ENTRANCE

Customer Training	Learning Library	NTMC 50113	ARTCC Training	Useful Links	Training Apps
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Upcoming Training      Portal Login      Ongoing Training

		<table border="1"> <thead> <tr> <th>Course Name</th> <th>Completed Date</th> </tr> </thead> <tbody> <tr> <td>March 2015 RT</td> <td>04/06/15</td> </tr> </tbody> </table>	Course Name	Completed Date	March 2015 RT	04/06/15
Course Name	Completed Date					
March 2015 RT	04/06/15					
		<b>Chicago Approach Briefing</b> "East Flow" Runway 10R/28L Utilization				
Collaborative Strategy Forum Training						



Overview of how ATCSCC is set up.



# TFM Learning Center

## TFM Learning Center

- TRAINING
- CDM Training Update
- CDM Spring Training
- TFM Learning Center
- Acronyms

Welcome To The Traffic Flow Management Learning Center

Customer Training	Learning Library	NTMC 50113	ARTCC Training	Useful Links	Training Apps
Upcoming Training		Portal Login		Ongoing Training	

Course Name	Completed Date
March 2015 RT	04/06/15



Overview of how Severe Weather ReRoutes are developed.

# TFM Learning Center

## TFM Learning Center

- TRAINING
- CDM Training Update
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Welcome To The Traffic Flow Management Learning Center



POTOMAC CONSOLIDATED TRAINING  
AIR TRAFFIC CONTROL SYSTEM  
COMMAND CENTER ENTRANCE

<b>Customer Training</b>	Learning Library	NTMC 50113	ARTCC Training	Useful Links	Training Apps
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Upcoming Training      Portal Login      Ongoing Training





Course Name	Completed Date
March 2015 RT	04/06/15





**Chicago Approach Briefing**  
"East Flow"  
Runway 10R/28L  
Utilization







Welcome to the FAA Customer Training Webpage

The Training Materials section of the TFM Learning Center allows all FAA customers and CDM participants to access the current offering of training courses. Click for Instructions.

Links	Projects	Release Date
	<a href="#">Thin Client Replay TSD-U</a>	Available Now
	<a href="#">NAS Briefing MSP RNAV STARs</a>	Available Now
	<a href="#">Playbook &amp; CAN Route Changes 2015</a>	Available Now
	<a href="#">What's New TFMS Rel 11</a>	Available Now
	<a href="#">NY Airspace Application</a>	Available Now
	<a href="#">Introduction to CTOP</a>	Available Now
	<a href="#">Managing CTOP's</a>	Available Now
	<a href="#">LAX RSA Tower Briefing</a>	Available Now
	<a href="#">What's New TFMS R10</a>	Available Now

Links for  
Customer Training.

# TFM Learning Center

## TFM Learning Center

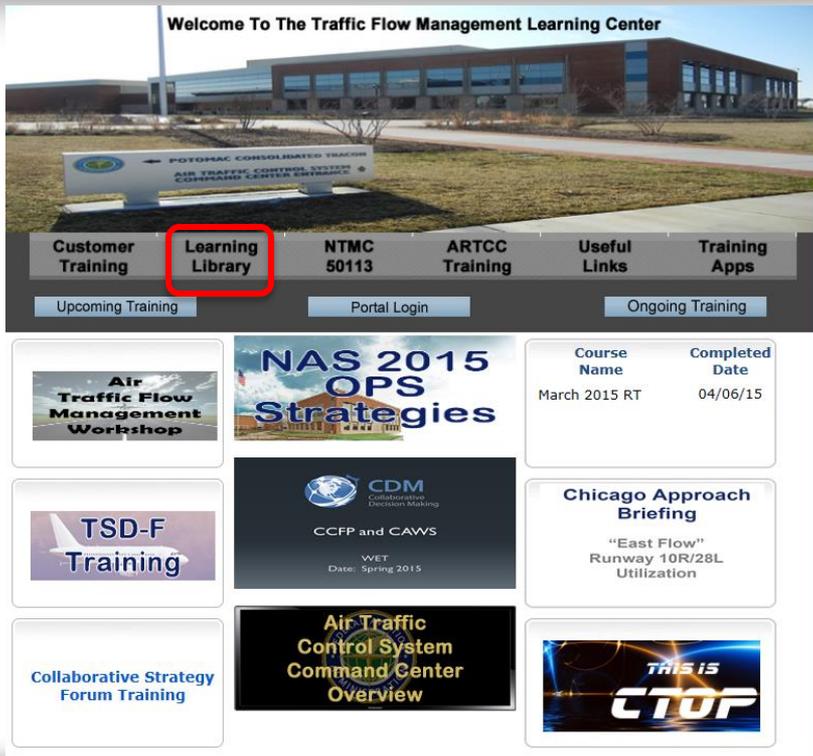
### TRAINING

CDM Training Update

CDM Spring Training

TFM Learning Center

Acronyms



Welcome To The Traffic Flow Management Learning Center

POTOMAC CONSOLIDATED TRAINING  
AIR TRAFFIC CONTROL SYSTEM  
COMMAND CENTER ENTRANCE

Customer Training | **Learning Library** | NTMC 50113 | ARTCC Training | Useful Links | Training Apps

Upcoming Training | Portal Login | Ongoing Training

Course Name	Completed Date
March 2015 RT	04/06/15

**NAS 2015 OPS Strategies**

**Chicago Approach Briefing**  
"East Flow"  
Runway 10R/28L Utilization

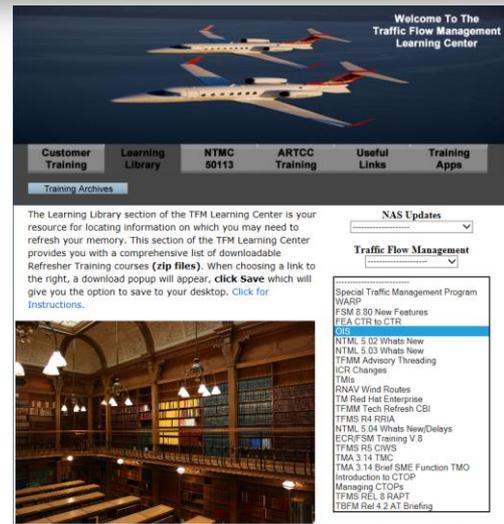
**Air Traffic Management Workshop**

**TSD-F Training**

**Collaborative Strategy Forum Training**

**Air Traffic Control System Command Center Overview**

**THIS IS CTOP**



Welcome To The Traffic Flow Management Learning Center

Customer Training | Learning Library | NTMC 50113 | ARTCC Training | Useful Links | Training Apps

Training Archives

The Learning Library section of the TFM Learning Center is your resource for locating information on which you may need to refresh your memory. This section of the TFM Learning Center provides you with a comprehensive list of downloadable Refresher Training courses (**zip files**). When choosing a link to the right, a download popup will appear, **click Save** which will give you the option to save to your desktop. **Click for Instructions.**

NAS Updates

Traffic Flow Management

Special Traffic Management Program  
WARP  
FSM 5.80 New Features  
FEA CTR to CTR  
CTOP  
NTML 5.02 Whats New  
NTML 5.03 Whats New  
TFM Advisory Threading  
ICR Changes  
TMA  
RNAV Wind Routes  
TM Rad Hat Enterprise  
TFM Tech Refresh CBI  
TFMS R4 RRIA  
NTML 5.04 Whats New/Delays  
ICRFSM Training V.9  
TFMS RS CWS  
TMA 3.14 TMC  
TMA 3.14 Brief SME Function TMO  
Introduction to CTOP  
Managing CTOPs  
TFMS REL 8 RAPT  
TBFM Rel 4.2 AT Briefing

Additional  
Resources in the  
"Learning Library"



## Acronyms

TRAINING

CDM Training Update

CDM Spring Training

TFM Learning Center

Acronyms

### Acronym Cheat Sheet for CDM

*(TMA – Too Many Acronyms)*

*(New to the list)*

AADC - Airport Arrival Demand Chart	AWWD – Aviation Winter Weather Dashboard
AAR - Airport Acceptance Rate	AZ – Arrival Message
ABRG - Adaptive Compression Bridging	BE – Bridge Event
ABRR – Airborne <b>ReRouting</b>	CAASD – Center for Advanced Aviation Sys. Development
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ACM - Adjacent Center Metering	CACR – Collaborative <b>Airspace</b> Constraint Resolution
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ADT – Actual Departure Time	CATMT – Collaborative ATM Technologies
AETE – Actual Estimated Time Enroute	<b>CAWS – Collaborative Aviation Weather Statement</b>
AFIX – Arrival Fix	CBI – Computer Based Instruction
AFP - Airspace Flow Program	<b>CbTA - Controlled by Time of Arrival</b>
AGT – Actual Ground Time	CCAN – Controlled Times Cancelled
AGTD – Actual Gate Time of Arrival	CCFP - Collaborative Convective Forecast Product
AIM – Aviation Impact Map	CCSD - Common Constraint Situation Display
AIRE – Atlantic Interoperability Initiative to Reduce Emissions	CDM - Collaborative Decision Making
AMA – Airport Movement Area	CDMSS - CDM Strategy System

Latest list of  
Acronyms as of  
March 2015.



# Sign up to Receive CDM Training Updates

If you wish to be notified of CDM Spring Training or any CDM Update Training, send an email to: [Gary.Dockan@aa.com](mailto:Gary.Dockan@aa.com)



# CDM 2015 Spring Training



**CDM**

Collaborative  
Decision Making