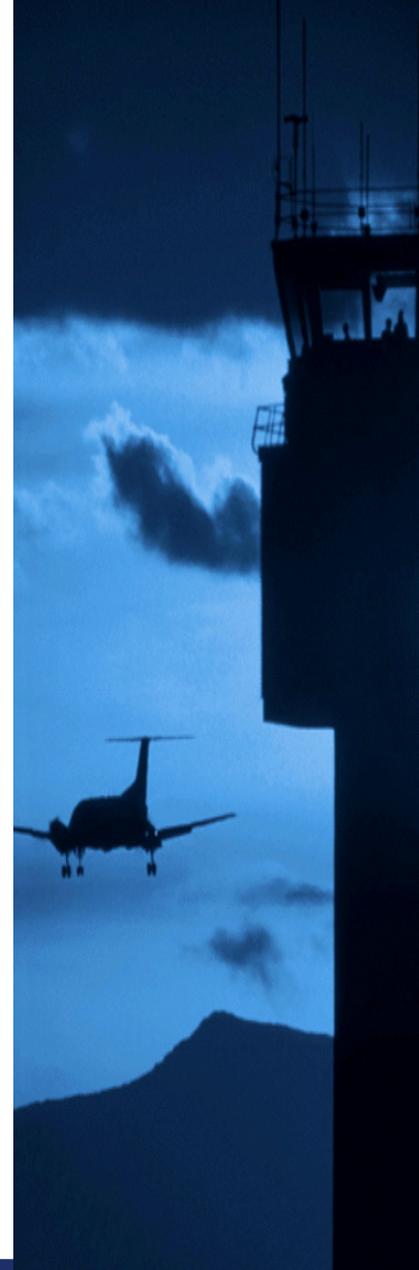


**Presentation of the  
Changes to OPSNET Traffic Reporting Requirements  
National Database Perspective**



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# Order of Events

1. Summary of Changes for Current Airport Operations
2. Description of the New Daily Tower Operations
3. Summary of Changes for Current Instrument Operations
4. Populating the old Instrument Operations Structure with the New Data
5. Description of New TRACON Operations
6. Populating the new Tower Structure with historical data
7. Populating the new TRACON Structure with historical data
8. Populating the old Airport Operations structure with the New Data
9. Summary of changes to the Interface
10. Interface: Description of New Main Screen
11. Interface: Description of the New “Tower Operations” section
12. Interface: Description of the New “TRACON Operations” section
13. Summary of Risks



# Changes to OPSNET Traffic Reporting – National Database Perspective

## Summary of Changes for Current Airport Operations

- Will be the same data as reported currently under the “Towers” link but data will be derived from the New Tower Operations format.
- Database structure changes to add IFR from VFR Itinerant data.
- Detail report will have IFR and VFR breakouts for Itinerant traffic
- FAA order 7210.3 will be updated to reflect changes effective 7/1/2008

### Current T\_Daily Structure

Fld#	Name	Type	Description
1	LOCID	Char(4)	Location ID
2	STATE	Char(2)	2 Character State
3	REGION	Char(3)	3 Character Region Code
4	FTYPE	Char(1)	Facility Type (A - H)
5	AC	Integer	Itinerant Air Carrier
6	ATAXI	Integer	Itinerant Air Taxi
7	GA	Integer	Itinerant General Aviation
8	MIL	Integer	Itinerant Military
9	LOCAL_GA	Integer	Local General Aviation
10	LOCAL_MIL	Integer	Local Military
11	TOTAL	Integer	OPS record Total
12	YYYYMM (COMPUTED)	Integer	Year+Month
13	DAYNUM (COMPUTED)	Integer	Day Number
14	CYEAR (COMPUTED)	Integer	Calendar Year
15	FYEAR (COMPUTED)	Integer	Fiscal Year
16	SERV_AREA	Varchar(2)	Service Area
17	CLASS_ID	Smallint	Classification ID (1 - 12)

### New T\_Daily Structure

Fld#	Name	Type	Description
1	LOCID	Char(4)	Location ID
2	STATE	Char(2)	2 Character State
3	REGION	Char(3)	3 Character Region Code
4	FTYPE	Char(1)	Facility Type (A - H)
5	AC	Integer	Itinerant Air Carrier
6	ATAXI	Integer	Itinerant Air Taxi
7	GA	Integer	Itinerant General Aviation
8	MIL	Integer	Itinerant Military
9	LOCAL_GA	Integer	Local General Aviation
10	LOCAL_MIL	Integer	Local Military
11	TOTAL	Integer	OPS record Total
12	YYYYMM (COMPUTED)	Integer	Year+Month
13	DAYNUM (COMPUTED)	Integer	Day Number
14	CYEAR (COMPUTED)	Integer	Calendar Year
15	FYEAR (COMPUTED)	Integer	Fiscal Year
16	SERV_AREA	Varchar(2)	Service Area
17	CLASS_ID	Smallint	Classification ID (1 - 12)
18	IFR_Itin_AC	Integer	IFR Itinerant Air Carrier
19	IFR_Itin_ATAXI	Integer	IFR Itinerant Air Taxi
20	IFR_Itin_GA	Integer	IFR Itinerant General Aviation
21	IFR_Itin_MIL	Integer	IFR Itinerant Military
22	VFR_Itin_AC	Integer	VFR Itinerant Air Carrier
23	VFR_Itin_ATAXI	Integer	VFR Itinerant Air Taxi
24	VFR_Itin_GA	Integer	VFR Itinerant General Aviation
25	VFR_Itin_MIL	Integer	VFR Itinerant Military

**New**



## Description of the New Daily Tower Operations

- Include all tower reported facility operations separated by IFR, VFR, Overflights and Local
- Difference between Airport and Tower Operations is that Tower OPS include Overflights
- Historical data will be a combination of Airport and Instrument Operations. Itinerant Totals will not change and the current Airport Operations will be the source.
- Historical Instrument Operations for facilities without a TRACON under the same ID (Non-Add) will dictate the separation between IFR Itinerant and VFR Itinerant and populate the Overflights.

See Figure 4 Formula for populating historical data for Tower Operations (next slide)

- FAA order 7210.3 will be updated to reflect changes effective 7/1/2008

Fld#	Name	Type	Description
1	LOCID	Char(4)	Location ID
2	STATE	Char(2)	2 Character State
3	REGION	Char(3)	3 Character Region Code
4	FTYPE	Char(1)	Facility Type (A - H)
5	IFR_Itin_AC	Integer	IFR Itinerant Air Carrier
6	IFR_Itin_ATAXI	Integer	IFR Itinerant Air Taxi
7	IFR_Itin_GA	Integer	IFR Itinerant General Aviation
8	IFR_Itin_MIL	Integer	IFR Itinerant Military
9	IFR_Over_AC	Integer	IFR Overflights Air Carrier
10	IFR_Over_ATAXI	Integer	IFR Overflights Air Taxi
11	IFR_Over_GA	Integer	IFR Overflights General Aviation
12	IFR_Over_MIL	Integer	IFR Overflights Military
13	VFR_Itin_AC	Integer	VFR Itinerant Air Carrier
14	VFR_Itin_ATAXI	Integer	VFR Itinerant Air Taxi
15	VFR_Itin_GA	Integer	VFR Itinerant General Aviation

Fld#	Name	Type	Description
16	VFR_Itin_MIL	Integer	VFR Itinerant Military
17	VFR_Over_AC	Integer	VFR Overflights Air Carrier
18	VFR_Over_ATAXI	Integer	VFR Overflights Air Taxi
19	VFR_Over_GA	Integer	VFR Overflights General Aviation
20	VFR_Over_MIL	Integer	VFR Overflights Military
21	LOCAL_GA	Integer	Local General Aviation
22	LOCAL_MIL	Integer	Local Military
23	TOTAL	Integer	OPS record Total
24	YYYYMM (COMPUTED)	Integer	Year+Month
25	DAYNUM (COMPUTED)	Integer	Day Number
26	CYEAR (COMPUTED)	Integer	Calendar Year
27	FYEAR (COMPUTED)	Integer	Fiscal Year
28	SERV_AREA	Varchar(2)	Service Area
29	CLASS_ID	Smallint	Classification ID (1 - 12)

## Summary of Changes for Current Instrument Operations

- Instrument Operations” – Due to Instrument Operations will no longer be defined in the FAA Order 7210.3- being replaced by “TRACON Operations” for “Add” facilities and “Tower Operations” for the “Non-add” facilities.
- Decision to remove Instrument Operation counts from the system is on the table.
- FAA order 7210.3 will be updated to reflect changes effective 7/1/2008

### If we keep Instrument Operations:

- Data from TRACONS and Towers will populate the data for TRACON and ATCT/TRACON facilities.
- Data from Towers only will populate the data for non-TRACON facilities.
- We will loose the ability to populate the secondary operations for non-TRACONS like JFK.



# Changes to OPSNET Traffic Reporting – National Database Perspective

## If we keep Instrument Operations (Cont):

How do we populate the Instrument Operations data from the New data set?

### TRACON Facilities: Population of Instrument Operations

Identify the primary facility (Pri-Fac)

**Instrument Primary:** Pri-Fac Tower Operations IFR Itinerant

**Instrument Secondary:** TRACON Operations IFR (Arr:Dep) - Pri-Fac Tower Operations IFR Itinerant

**Instrument Overflights:** TRACON Operations IFR Overflights

**Stage III Primary:** ? Stage III Primary + Secondary must = TRACONS operations VFR Arr:Dep

**Stage III Secondary:** ?

**Stage III Overflights:** TRACON Operations VFR Overflights

### Non-Tracon Facilities: Population of Instrument Operations

**Instrument Primary:** Facility's IFR Itinerant

**Instrument Secondary:** 0

**Instrument Overflights:** Facility's IFR Overflight

**Stage III Primary:** Facility's VFR Itinerant

**Stage III Secondary:** 0

**Stage III Overflights:** Facility's VFR Overflight

Example of data we can not populate from the New Data Set.

#### Instrument Operations : Detail : Period Report

From 01/2007 To 12/2007 : JFK: (Calendar Year)

Instrument Operations Detail

FACILITY	DATE	PRIMARY				IO Only SECONDARY				OVERFLIGHTS				PRIMARY				Stage III/TCA SECONDARY				OVERFLIGHTS				TOTAL
		AC	AT	GA	MIL	AC	AT	GA	MIL	AC	AT	GA	MIL	AC	AT	GA	MIL	AC	AT	GA	MIL	AC	AT	GA	MIL	
JFK I	2007	356360	88947	4339	143	0	22	11	1	0	0	0	0	0	4575	2492	79	0	73	13696	130	58	4725	19591	1033	496275

(!) - NonAdd Values



# Changes to OPSNET Traffic Reporting – National Database Perspective

## Description of New TRACON Operations

- **TRACON Operations:** Will take the place of all facilities labeled as an Add facility. The non-add facilities data will be distributed within the Tower Operations section.
- **TRACON Operations:** Includes all TRACON facility operations. We will only receive traffic counts from Stand alone TRACONS and ATCT/TRACONS (Up/Down)
- **TRACON Operations:** Data will be separated by “Arrival/Departures”, “Overflights” for IFR and VFR operations.
- **TRACON Operations:** We will no longer receive Primary, Secondary and Overflights for Instrument and TRSA, Class B and C operations
- **FAA order 7210.3** will be updated to reflect changes effective 7/1/2008

### New TRACON Operations Structure

Fld#	Name	Type	Description
1	LOCID	Char(4)	Location ID
2	STATE	Char(2)	2 Character State
3	REGION	Char(3)	3 Character Region Code
4	FTYPE	Char(1)	Facility Type (A - H)
5	IFR_AC	Integer	IFR Arr:Dep Air Carrier
6	IFR_ATAXI	Integer	IFR Arr:Dep Air Taxi
7	IFR_GA	Integer	IFR Arr:Dep General Aviation
8	IFR_MIL	Integer	IFR Arr:Dep Military
9	IFR_Over_AC	Integer	IFR Overflights Air Carrier
10	IFR_Over_ATAXI	Integer	IFR Overflights Air Taxi
11	IFR_Over_GA	Integer	IFR Overflights General Aviation
12	IFR_Over_MIL	Integer	IFR Overflights Military
13	VFR_AC	Integer	VFR Arr:Dep Air Carrier

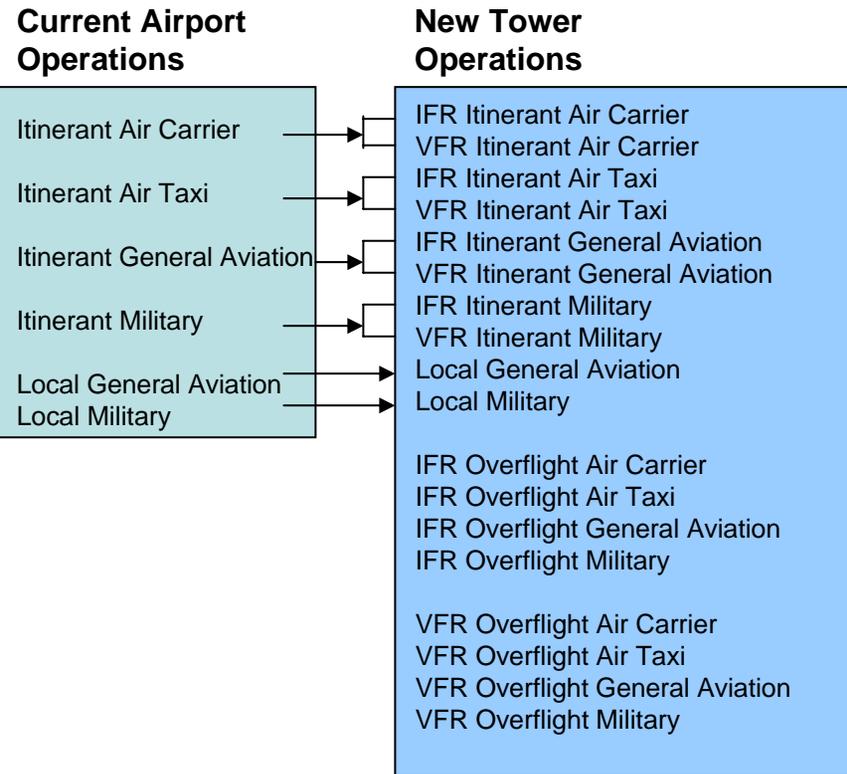
Fld#	Name	Type	Description
14	VFR_ATAXI	Integer	VFR Arr:Dep Air Taxi
15	VFR_GA	Integer	VFR Arr:Dep General Aviation
16	VFR_MIL	Integer	VFR Arr:Dep Military
17	VFR_Over_AC	Integer	VFR Overflights Air Carrier
18	VFR_Over_ATAXI	Integer	VFR Overflights Air Taxi
19	VFR_Over_GA	Integer	VFR Overflights General Aviation
20	VFR_Over_MIL	Integer	VFR Overflights Military
21	TOTAL	Integer	OPS record Total
22	YYYYMM (COMPUTED)	Integer	Year+Month
23	DAYNUM (COMPUTED)	Integer	Day Number
24	CYEAR (COMPUTED)	Integer	Calendar Year
25	FYEAR (COMPUTED)	Integer	Fiscal Year
26	SERV_AREA	Varchar(2)	Service Area
27	CLASS_ID	Smallint	Classification ID (1 - 12)



# Changes to OPSNET Traffic Reporting – National Database Perspective

## Populating the new Tower Structure with historical data

Figure 1



Current Instrument Operations for Non-Add facilities

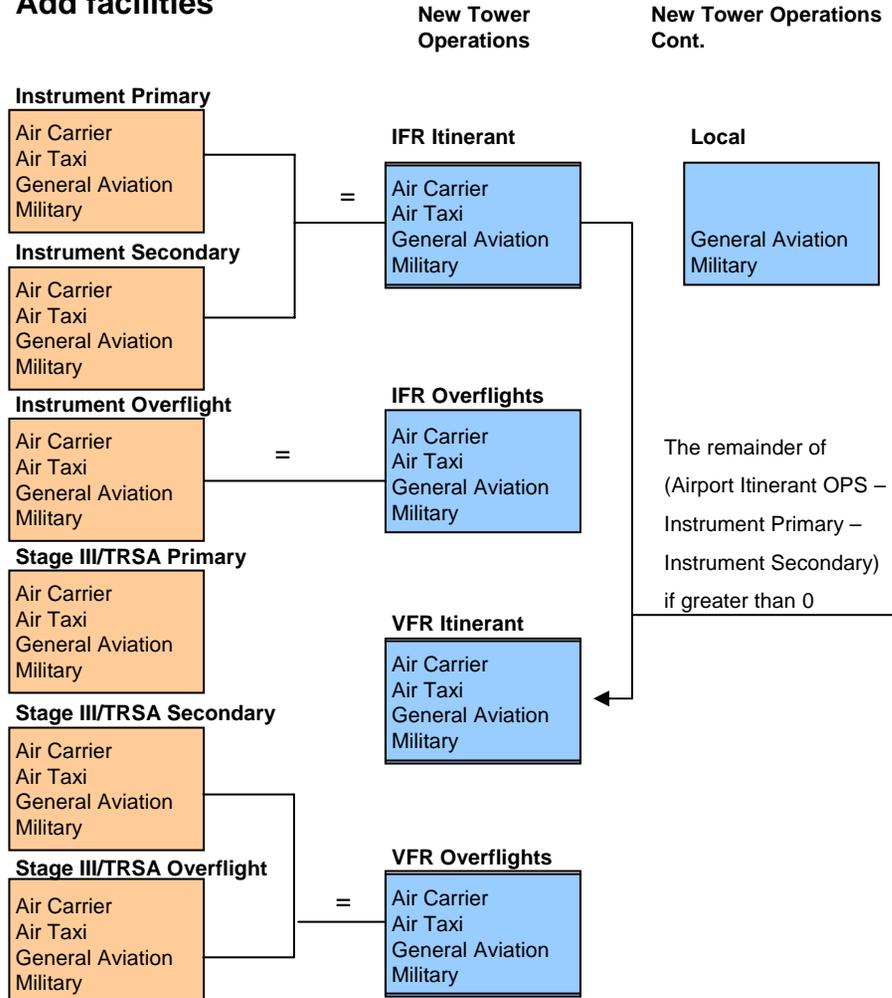
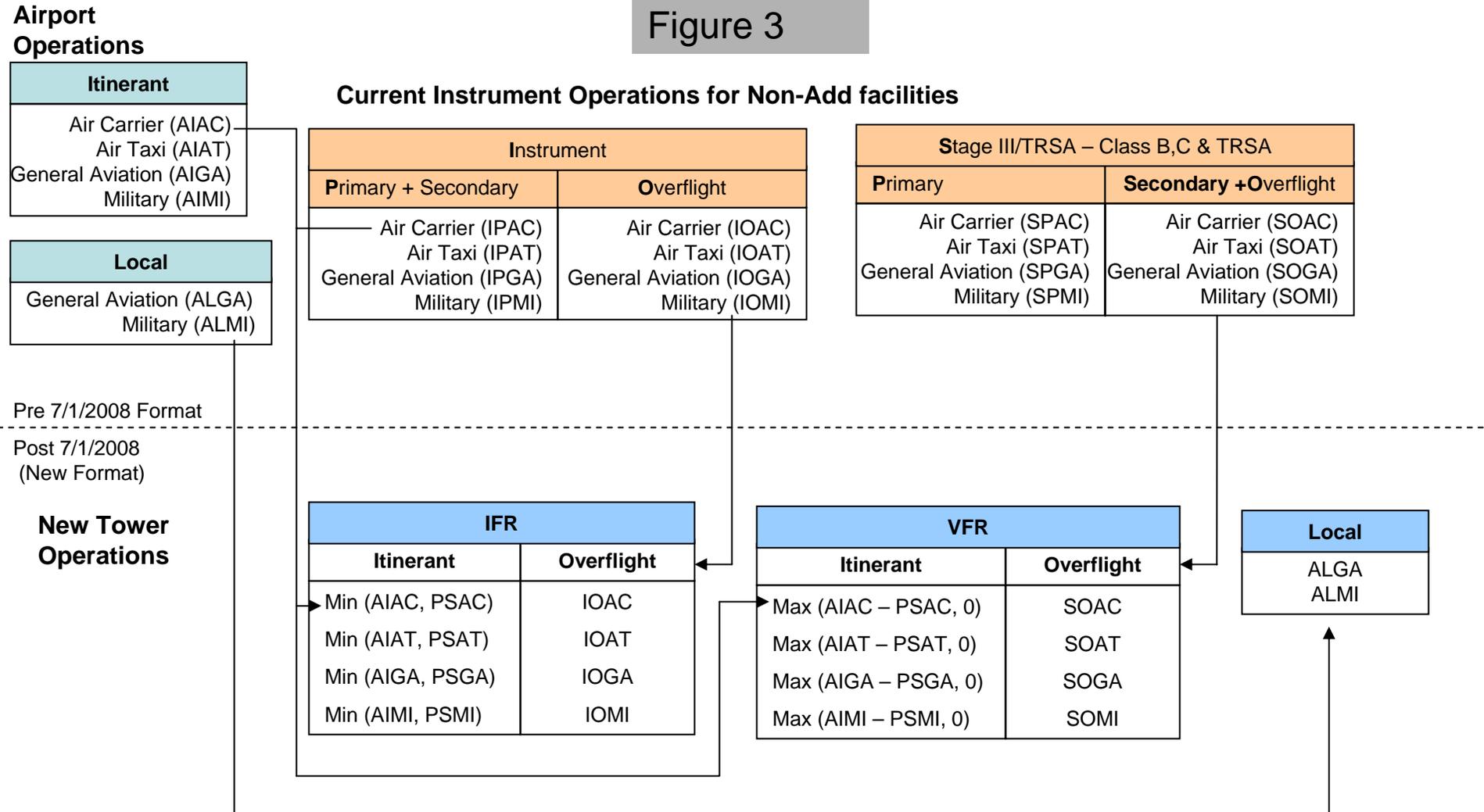


Figure 2

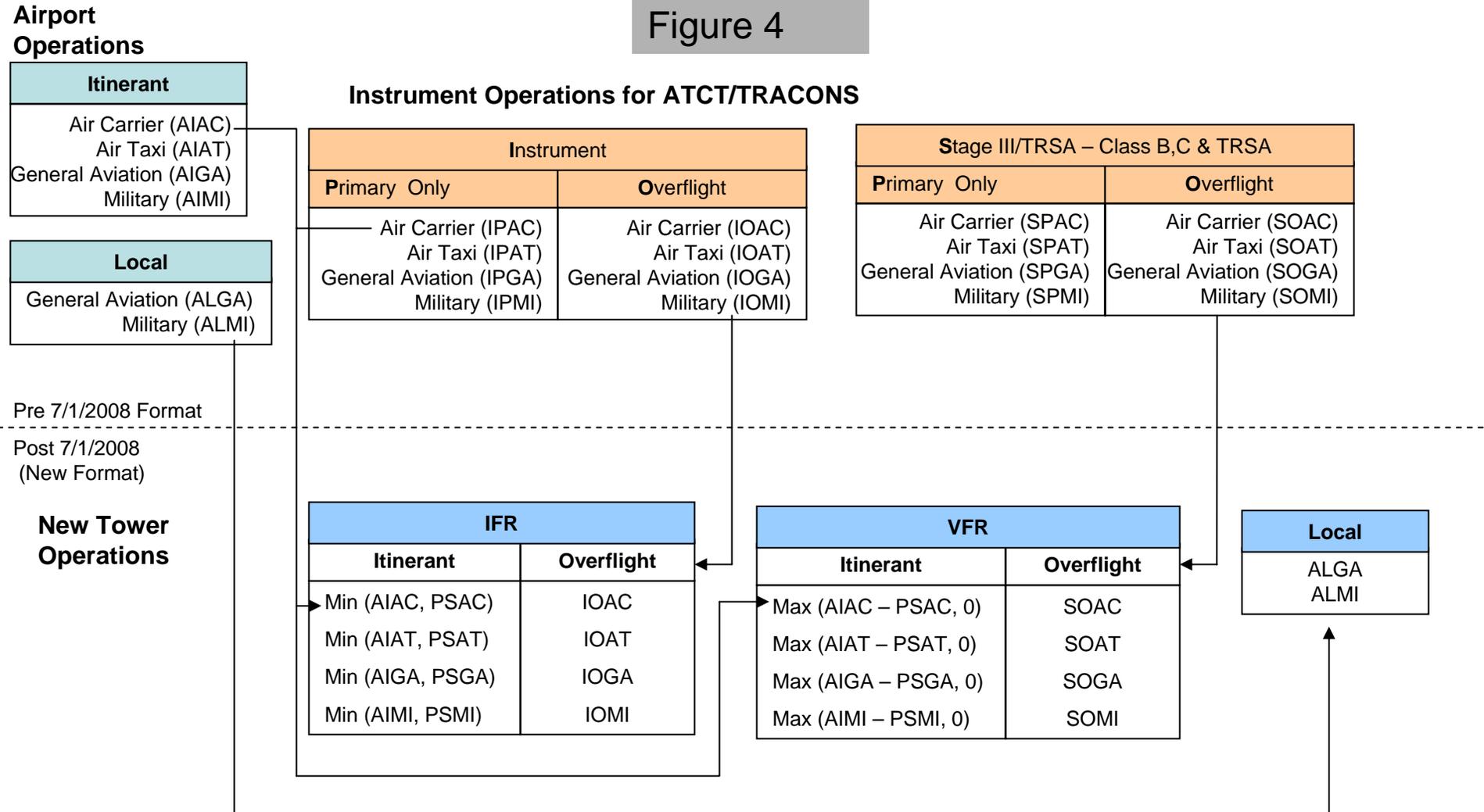
## Formula for Populating the new Tower Structure with historical data

Figure 3



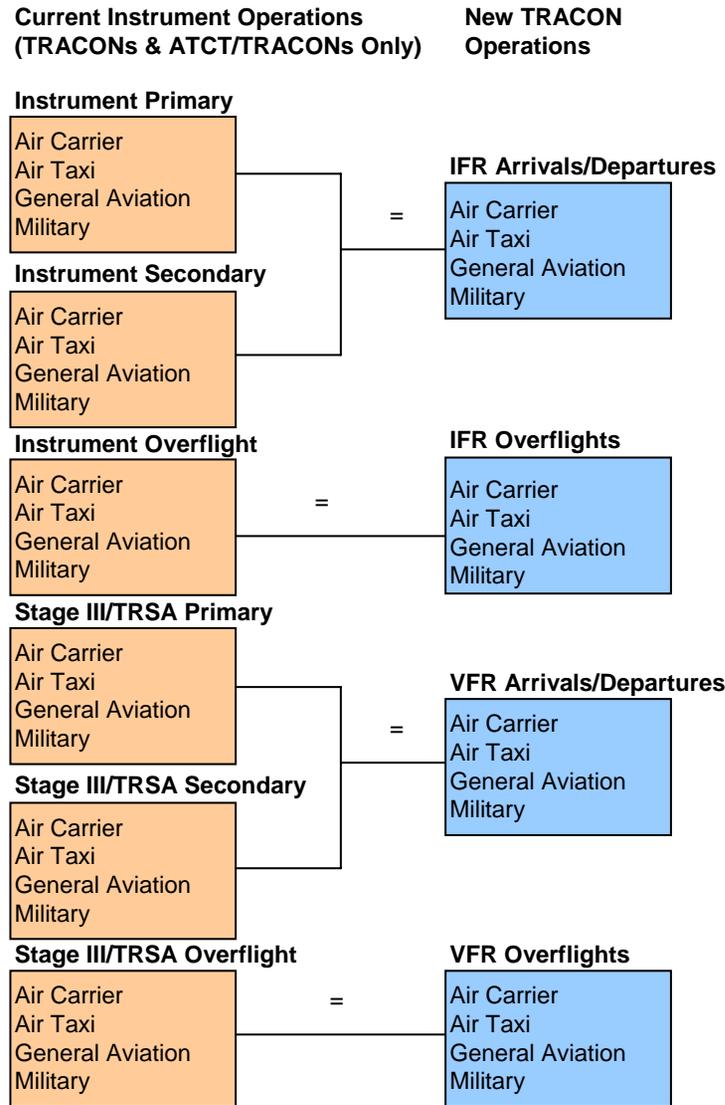
## Formula for Populating the new Tower Structure with historical data

Figure 4



## Populating the new TRACON Structure with historical data

Figure 5



# Changes to OPSNET Traffic Reporting – National Database Perspective

## Populating the old Airport Operations structure with the New Data

- **Airport Itinerant: Sum of (IFR Itinerant + VFR Itinerant) for each category (ac,at, ga, mil) from Tower Operations**
- **Local: Direct link from Tower Operations Local data.**

## Tower Operations Report

FACILITY DATE	IFR ITINERANT					TOTAL					VFR ITINERANT				TOTAL				IFR Overflights				TOTAL				VFR Overflights		TOTAL		LOCAL		TOTAL
	AC	AT	GA	MIL		AC	AT	GA	MIL		AC	AT	GA	MIL		AC	AT	GA	MIL		AC	AT	GA	MIL		CIV	MIL						
AAC Jan-07	15,175	5,801	1,136	141	22,252	5,058	1,934	379	47	7,417	4	5	115	22	145	11	14	344	65	439	44	74	118								<b>30,366</b>		
AAC Feb-07	13,493	5,292	1,089	159	20,033	4,498	1,764	363	53	6,678	3	1	147	21	173	9	4	442	64	516	242	56	298							<b>27,699</b>			
AAC Mar-07	15,341	6,212	1,279	158	22,989	5,114	2,071	426	53	7,663	10	5	163	22	200	31	16	489	65	600	236	26	262							<b>31,714</b>			
AAC Apr-07	15,196	5,933	1,265	147	22,541	5,065	1,978	422	49	7,514	5	4	75	21	104	15	11	224	64	310	452	96	548							<b>31,019</b>			
AAC May-07	16,557	6,058	1,349	153	24,117	5,519	2,019	450	51	8,039	5	6	142	13	167	16	19	427	39	500	236	56	292							<b>33,115</b>			
AAC Jun-07	16,807	6,204	1,244	205	24,459	5,602	2,068	415	68	8,153	6	16	115	20	156	18	47	344	59	467	258	46	304							<b>33,539</b>			
AAC Jul-07	17,413	6,368	1,149	193	25,123	5,804	2,123	383	64	8,374	7	8	165	19	199	20	24	494	58	596	236	58	294							<b>34,585</b>			
AAC Aug-07	17,890	6,460	1,195	143	25,487	5,897	2,153	398	48	8,496	7	11	214	14	246	21	34	642	42	736	254	54	308							<b>35,276</b>			
AAC Sep-07	16,896	5,833	1,187	148	24,063	5,632	1,944	396	49	8,021	6	22	196	24	248	18	67	589	71	745	562	52	614							<b>33,691</b>			
AAC Oct-07	17,602	6,135	1,304	216	25,256	5,867	2,045	435	72	8,419	4	13	54	25	95	11	39	161	74	284	523	22	545							<b>34,598</b>			
AAC Nov-07	17,084	5,678	1,194	179	24,136	5,695	1,893	398	60	8,045	4	3	89	24	119	12	8	267	71	358	236	98	334							<b>32,992</b>			
AAC Dec-07	17,349	5,714	974	134	24,170	5,783	1,905	325	45	8,057	6	10	137	19	172	19	31	410	56	516	258	54	312							<b>33,226</b>			
AAC Jan-08	16,574	5,313	866	161	22,914	5,525	1,771	289	54	7,638	8	6	213	19	245	24	17	639	56	736	588	96	684							<b>32,217</b>			
<b>Total AAC</b>	<b>213,176</b>	<b>77,000</b>	<b>15,227</b>	<b>2,137</b>	<b>307,539</b>	<b>71,059</b>	<b>25,667</b>	<b>5,076</b>	<b>712</b>	<b>102,513</b>	<b>75</b>	<b>109</b>	<b>1,823</b>	<b>261</b>	<b>2,268</b>	<b>224</b>	<b>328</b>	<b>5,470</b>	<b>783</b>	<b>6,804</b>	<b>4,125</b>	<b>788</b>	<b>4,913</b>							<b>424,037</b>			

Airport Operations will be derived from the Tower Operations

## Summary of changes to the Interface

- Rename “Towers” to “Airport Operations”: Airport Operations will be the same as reported currently under the “Towers” link but data will be derived from the Tower Operations
- Add “Tower Operations”: reports will be pulled primarily from the New Towers Database
- Deleted “Instrument Operations” - being replaced by “TRACON Operations”
- Add “TRACON Operations”: Data will be pulled primarily from the New TRACON database
- Delete “Approach Operations” – No demand for data
- Change “Terminal Facilities” to “Total Terminal Operations” (New requirements from ATO-T needed)



## Interface: Description of New Main Screen

### • Current Screen

Federal Aviation Administration

Air Traffic Activity System (ATADS)

- Towers
- Instrument Operations
- Centers
- **Approach Operations**
- Terminal Facilities
- Facility Information
- Glossary
- What's New

Delete

The Air Traffic Act air traffic operations for annual counts are available tables are also available

Guide on how to use the

### • Revised Screen

Federal Aviation Administration

Air Traffic Activity System (ATADS)

- **Airport Operations**
- **Tower Operations**
- **TRACON Operations**
- **Total Terminal Operations**
- Centers
- Facility Information
- Glossary
- What's New

The Air Traffic Act air traffic operations for annual counts are available tables are also available



## Operations Network (OPSNET)

The Operations Network (OPSNET) is the official source of historical NAS air traffic Delays and Operations. Daily Data is available on a next day basis. Monthly and annual counts are also available from the system either by facility, state, region, service area, or nationally. Some ranking tables are also available. Data is available from January 1990 through the prior day. All historical operations are synchronized with ATADS.

Delays

Airport Operations

Tower Operations

TRACON Operations

Total Terminal Operations

Center Acft Handled

Facility Information

### Saved Reports

No saved reports available.

### Additional Resources

[About OPSNET](#)

[OPSNET Manual for using this website](#)

[View OPSNET Order \(7210.55D\) Effective October 22, 2007](#)

[Glossary](#)

### What's new in the past 90 days

▶ [03/18/2008 ASPM OPSNETcounts System Monthly Update](#)

▶ [01/21/2008 ASPM OPSNETcounts System Monthly Update](#)

▶ [03/06/2008 Daylight Savings Time Notice](#)

[Email Notifications](#) [Event Search](#)

- We are proposing a change to our interface effective 7/1/2008 to coordinate with the changes of the traffic count reporting.
- This interface will be complete for the Airport Operations, Tower Operations, TRACON Operations and Total Terminal Operations by the 7/1/2008 deadline.
- The Delays, Center Acft Handled and Facility Information is expected to be complete by 10/01/2008



## Opsnet > Airport Operations



### My Reports [?](#)

Your saved reports, if any, are displayed below. You may save a report after you have entered your search criteria and clicked the 'Run' button. Then you may name your report and save it for future use.

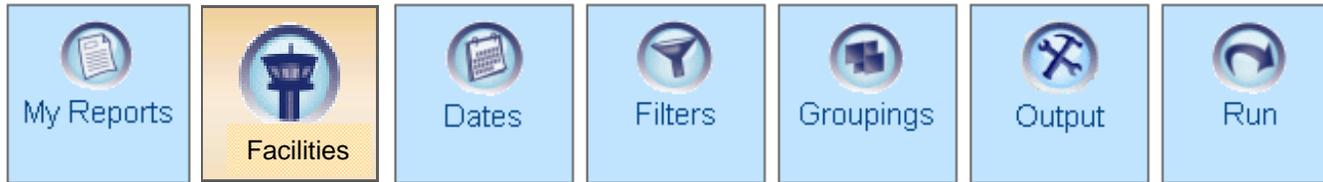
### Saved Reports

- [i](#)  Tim`s test 1
- [i](#)  OPSNET45 in Jan 2008
- [i](#)  US Towers in Montana - pas 12 months
- [i](#)  ATL on Jan 16

Once you select Airport Operations, the reports saved under the login ID will be displayed to retrieve again. The Buttons on the top of the page will help navigate the user in creating a query against the Airports Database.

To navigate back to the main screen, select the “OPSNET” crumb at the very top of the white space

## Opsnet > Airport Operations



Facilities    State    Region    Service Area    Classification

### Select Airports ?

Find an airport:

Quick Entry Mode

[ASPM 77](#) | [OPSNET 45](#) | [OEP 35](#) | [Advanced Search Options](#)

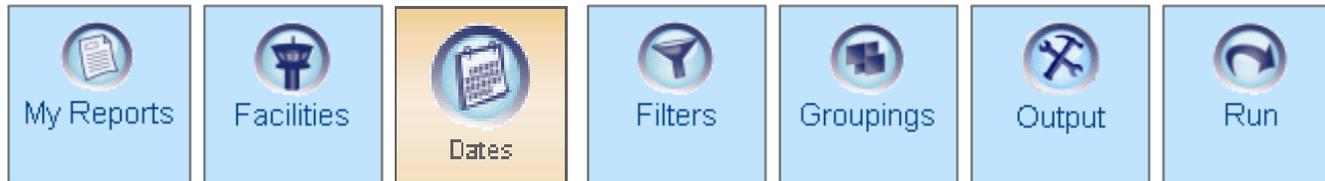
All airports

[Remove All](#)

Summarized as One

**Selected options:**  
Dates : None  
Display : Show Totals  
Format : HTML

## Opsnet > Airport Operations



**Select Dates**   Compare Dates

Base  Comparison

Days  Months  Years  Range  Period

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

<< February 2008 >>

[Add All](#) [Remove All](#)

Please select date

**Selected options:**  
Dates : None  
Display : Show Totals  
Format : HTML

Last available data : February 2008

## Opsnet > Airport Operations



<p><input checked="" type="checkbox"/> No Filters</p> <p><input type="checkbox"/> FAA Only</p> <p><input type="checkbox"/> Contract Towers Only</p>	<p><b>Selected options:</b></p> <p>Dates : None Display : Show Totals Format : HTML</p>
---	---

## Opsnet > Airport Operations



### Select Groupings ?

**Available Fields**

- Date
- Airport

**Selected Fields**

Please Select Fields

[Remove All](#)

**Selected options:**

Dates : None  
Display : Show Totals  
Format : HTML

## Opsnet > Airport Operations



### Reports

#### Standard

- Period
- Ranking
- Comparison
- Day of Week

Auto Selected  
(Dates) →

#### Custom Fields

- Itinerant
  - IFR
  - VFR
- Local
- Total

#### Ranking

- Total
- Air Taxi
- Air Carrier
- General Av.
- Military
- Facility

### Select Output

- Display:  Show Totals  
 Show Daily Averages
- Format:  HTML  
 MS Excel  
 MS Word  
 No Sub-Totals

### Selected options:

Dates : None  
Display : Show Totals  
Format : HTML

## Opsnet > Airport Operations



### Run

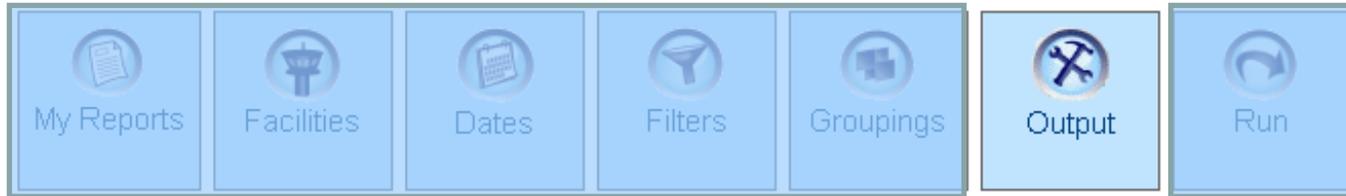
Do you want to save the search criteria you used to create this report? If so, please enter a name and click the 'Save' button.

Name:

### Selected options:

Dates : None  
Display : Show Totals  
Format : HTML

## Opsnet > Airport Operations



For the remainder of the sections (Towers, TRACONS, and Total Terminal Facilities) the differences is only in the Output section.

## Opsnet > Towers



### Reports

#### Standard

Auto Selected  
(Dates) →

- Period
- Ranking
- Comparison
- Day of Week
- Detail

#### Custom Fields

Itinerant

- IFR
- VFR

Overflights

- IFR
- VFR

- Local
- Total

#### Ranking

- Total
- Air Taxi
- Air Carrier
- General Av.
- Military
- Facility

### Select Output ?

- Display:  Show Totals  
 Show Daily Averages
- Format:  HTML  
 MS Excel  
 MS Word  
 No Sub-Totals

### Selected options:

Dates : None  
 Display : Show Totals  
 Format : HTML

## Opsnet > TRACONS



### Reports

#### Standard

#### Custom Fields

#### Ranking

Auto Selected → (Dates)

- Period
- Ranking
- Comparison
- Day of Week
- Detail

Arr/Dep    IFR  
 VFR

Overflights    IFR  
 VFR

Total

- Total
- Air Taxi
- Air Carrier
- General Av.
- Military
- Facility

### Select Output ?

#### Selected options:

- Display:  Show Totals  
 Show Daily Averages
- Format:  HTML  
 MS Excel  
 MS Word  
 No Sub-Totals

Dates : None  
Display : Show Totals  
Format : HTML

## Opsnet > Total Terminal Facilities



### Reports   Standard

- Detail
- Facility

#### Select Output [?](#)

- Display:  Show Totals  
 Show Daily Averages
- Format:  HTML  
 MS Excel  
 MS Word  
 No Sub-Totals

#### Selected options:

Dates : None  
Display : Show Totals  
Format : HTML