

FEDERAL AVIATION ADMINISTRATION

OE/AAA® WEB API RESTFUL SERVICES USER GUIDE

January 3, 2013

**Prepared by,
CGH Technologies, Inc.
600 Maryland Ave., SW Suite 800W
Washington, DC 20024**

All references to software products remain the protected trademarks of their manufacturers.

Version Control Table

Version No.	Date	Purpose / Changes	Author
2011.2.0	09/29/2011	First version	CGH Technologies Inc.
2012.1.0	03/29/2012	Typographical update	CGH Technologies Inc.
2012.2.0	06/28/2012	Web Service to MCAT	CGH Technologies Inc.
2012.4.0	01/03/2013	Added Glossary Statement	CGH Technologies Inc.

Change Control Table

Version No.	Date	Purpose / Changes	Author
2012.1.0	03/29/2012	Authenticated FAA Access	CGH Technologies Inc.
2012.2.0	06/28/2012	Web Service to MCAT	CGH Technologies Inc.
2012.4.0	01/03/2013	Added Glossary Statement	CGH Technologies Inc.

Contents

1	Welcome	4
2	Web Services	5
2.0	Public Access	5
2.0.1	Caselist - No login required.....	5
•	Find cases by type and date range.....	5
•	Find cases by type, year and region or nearest state code.....	5
2.0.2	Circ – No login required.....	5
•	Find Circ cases by nearest state code.....	5
2.1	Authenticated FAA Access	5
2.1.1	Box - Login required.	5
•	Find cases by boxed search.....	5
2.1.2	NOTAMs - Login required.	5
•	Find NOTAM cases by date range, nearest state, or case ID.....	5
2.1.3	MCAT - Login required.....	5
•	Find OE/NRA cases, including Navy, Army, Air Force, Homeland Security responses, by date range	5
3	Before You Start.....	6
3.0.1	What You Should Already Know.....	6
4	Acronyms/Abbreviations and Meanings.....	6
4.0.1	Glossary.....	7
5	Using OE/AAA Web API RESTful Services	16
6	Find On Airport or Off Airport Case by ASN.....	16
6.0	Sample query.....	16
6.1	Sample result.....	16
7	Find Circ cases by nearest state code.....	17
7.0	Sample query.....	17
7.1	Sample result.....	17
8	Find cases by type and date range.....	20
8.0	Sample query.....	20
8.1	Sample result.....	20
9	Find cases by type, year, and region or nearest state code.....	22
9.0	Sample query.....	22
9.1	Sample result.....	22
10	Find cases by boxed search	24
10.0	Sample query.....	24
10.1	Sample result.....	24
11	Find NOTAM cases by date range, nearest state or case ID.....	26
11.0	Sample query.....	26
11.1	Sample result.....	26
12	Find OE/NRA cases, including Navy, Army, Air Force, Homeland Security responses, by date range.....	28
12.0	Sample query.....	28
12.1	Sample result.....	28

1 Welcome

Thank you for using the Obstruction Evaluation and Airport Airspace Analysis (OE/AAA) System. *OE/AAA* consists of public and internal Web sites provided by the Aeronautical Information Management (AIM) Division of the Federal Aviation Administration (FAA) at <https://oeaaa.faa.gov> (public) and <https://ioeaaa.faa.gov> (internal).

The *OE/AAA* Web services enable individuals and organizations to easily communicate computer to computer to receive construction/alteration data of potential obstructions; both on location at airports (On Airport) and those external to the airport periphery (Off Airport) as described in CFR Title 14 Part 77.

The *OE/AAA*® Web API RESTful Services User Guide is a tool designed to facilitate the use of this service on the *OE/AAA* Web site.

2 Web Services

OE/AAA Web services available for computer to computer receipt of on and off airport potential obstruction data.

2.0 Public Access

2.0.1 Caselist - No login required

- Find On Airport or Off Airport Case by ASN
- Find cases by type and date range
- Find cases by type, year and region or nearest state code

2.0.2 Circ – No login required.

- Find Circ cases by nearest state code
- Find On Airport or Off Airport Case by ASN

2.1 Authenticated FAA Access

2.1.1 Box - Login required.

- Find cases by boxed search

2.1.2 NOTAMs - Login required.

- Find NOTAM cases by date range, nearest state, or case ID

2.1.3 MCAT - Login required.

- Find OE/NRA cases, including Navy, Army, Air Force, Homeland Security responses, by date range

3 Before You Start

3.0.1 What You Should Already Know

Before you continue, you should have a basic understanding of the following:

HTML

XML

4 Acronyms/Abbreviations and Meanings

Acronym/Abbreviation	Meaning
API	Application Program Interface
Caselist	Used to find cases
Circ	Circularized cases where the FAA solicits input from the public.
HTML	HyperText Markup Language
MCAT	Mission Compatibility Assessment Tool (MCAT)
NOTAM	Notice To Airmen (NOTAM)
OEWEBAPI	Obstruction Evaluation Web application program interface
REST	Representational State Transfer (REST)
RESTful	Conforming to the REST constraints
SDAT	Sector Design and Analysis Tool (SDAT)
WADL	Web Application Description Language (WADL)
XML	Extensible Markup Language (XML)

4.0.1 Glossary

The glossary list possible columns for any OE/AAA RESTful web service. The list is not inclusive of any specific service, as specific services may have specific columns in their results. Sample data for each Public Access and Authenticated FAA Access service is located in section 5 of this document.

Names Column / Field	Description
aglStructureHeight	Proposed total structure height above ground level in whole feet rounded to the next highest foot. The total structure height should include anything mounted on top of the structure such as antennas, lightning rods, obstruction lights, etc.
aglStructureHeightDet	FAA confirmed total structure height above ground level.
aglStructureHeightDne	Maximum height that a proposed structure's total height above ground level can't exceed in order to not exceed FAA obstruction standards.
asn	Aeronautical Study Number (Case) Year-Region-Number-Case type (e.g. 2012-AAL-23-OE or NRA)
asnSequence	ASN sequence number (i.e. "23")
autoScreenCode	Line of business indicator that a response was not required for an ASN.
beginDate	ASN start date of temporary work schedule.
countyName	Name of On Airport county
currentStatus	Current status of aeronautical study
dateBuilt	Date an Off Airport structure reached its greatest construction height.
dateCompleted	Aeronautical Study completion date
dateDismantled	Date an Off Airport structure was dismantled.
dateEntered	Date an On or Off Airport ASN was accepted.
determinedDate	Date a determination was made for an ASN.
dispositionChar	D = Destroyed, R = Sent to records center
dispositionDate	Date when ASN disposition must be addressed.
distanceFromNearestAirport	Off Airport structure's distance in feet from the

	nearest Airport.
directionFromNearestAirport	Off Airport structure's direction in degrees from the nearest Airport.
durationPeriodDays	Length of days a temporary structure is estimated to be in place.
durationPeriodMonths	Length of months a temporary structure is estimated to be in place.
durationType	Length of time a structure will be in place; Permanent or Temporary.
endDate	Date an ASN was completed.
expirationDate	Date an ASN determination expires.
faaGeographyId	FAA Regional Boundaries IDs across the country: AAL, ACE, AEA, AGL, ANE, ANM, ASO, ASW, AWP, WTE and WTW
fastTrack	Off Airport rapid case determination process
fccAsrNumber	Federal Communications Commission (FCC) Antenna Structure Registration Number. (Issued to an existing tower that has been registered with the FCC).
followupDate	Date ASN follow up action is required.
id	Number assigned as a case identifier
isOnAirport	Indicates the Off Airport (OE) case is located on an airport.
lastModifiedBy	Case correspondence creator.
lastModifiedDate	Case correspondence creation date.
latitude	Precise geographic coordinate entered in Degrees, Minutes and Seconds to the hundredth of a second (e.g. 25-47-4.75 N).
legacyNacoNumber	National Aeronautical Charting Office (NACO) tracking number.
locationDescription	Description of the actual location of the Off Airport site.

longitude	Precise geographic coordinate entered in Degrees, Minutes and Seconds to the hundredth of a second (e.g. 80-19-7.26 W).
nacgAcceptedDate	National Aeronautical Charting Group (NACG) accepted date.
nacgNumber	National Aeronautical Charting Group (NACG) tracking number.
nearestAirport	Identifier of the nearest airport where the Off Airport structure will be located (ie. LAX = Los Angeles International).
nearestAirportName	Name of the nearest airport to where the Off Airport structure will be located.
nearestAOR	Name of the nearest area of responsibility where the Off Airport structure will be located.
nearestCity	Name of the nearest city where the Off Airport structure will be located.
nearestCountyName	Name of the nearest county where an Off Airport structure will be located.
nearestState	Name of the actual state where the Off Airport structure will be located.
noticeOf	The proposal Type: <i>New Construction.</i> <i>Alteration</i> to an existing structure. <i>Existing</i> structure information has never been studied by the FAA.
nraCity	Name of the city where the On Airport structure will be located.
nraCounty	Name of the county where the On Airport structure will be located.
pointAccuracyCode	Obstacle vertical and horizontal accuracy codes (i.e. 1A, 2C, 4D).
priorAsn	Prior Aeronautical Study Number. (Only if an FAA aeronautical study was previously conducted for the same location).

projectId	Number assigned to a project containing batched cases.
projectName	Name assigned to a project containing batched cases.
proposalDescription	Description that details the nature of an Off Airport filing.
recommendedMarkLightTypeOther	FAA recommended marking and/or lighting type.
regionId	Nine regional IDs across the country: AAL, ACE, AEA, AGL, ANE, ANM, ASO, ASW, AWP.
regionName	Nine regional names across the country: Alaska, Central, Eastern, great lakes, New England, Northwest mountain, Southern, Southwest, Western Pacific.
remarks	Description of the nature of the filing.
repAddress1	Sponsor Representative's mailing address
repAddress2	Sponsor Representative's mailing address
repAttnOf	Attention of specific person or department for a Sponsor Representative.
repCity	Sponsor Representative's mailing address city
repPostalCode	Sponsor Representative's mailing address zip code.
representative	Sponsor Representative
repState	Sponsor Representative's mailing address state
requestedMarkLightType	Proposed marking and/or lighting type desired.
requestedMarkLightTypeOther	Proposed marking and/or lighting type designated.
required74602Code	Indicates the type of Supplemental notice is required by the FAA, if any. A 7460-2 (PART I) prior to start of construction or A 7460-2 (PART II) after the construction reaches its greatest height or None.

returned74602Date	Date a Supplemental Notice is received within OE/AAA by the FAA.
siteElevationProposed	Proposed site elevation above mean sea level. Expressed in whole feet rounded to the nearest foot.
sourceSystem	Data supplier (i.e. NASR)
specialistEmailAddress	Off Airport case specialist e-mail address
specialistPhone	Off Airport case specialist phone number
specialistName	Off Airport case specialist name
sponsor	Person or business ultimately responsible for the construction or alteration.
sponsorAddress1	Sponsor's mailing address
sponsorAddress2	Sponsor's mailing address
sponsorAttnOf	Attention of specific person or department for a Sponsor.
sponsorCity	Sponsor's mailing address city
sponsorCountry	Sponsor's mailing address country
sponsorEmail	Sponsor's e-mail address
sponsorPhone	Sponsor's phone number
sponsorPostalCode	Sponsor's mailing address zip code
sponsorState	Sponsor's mailing address state or Non-us state.
statusCode	Case status codes: CIR Circularized DET-DNE Determination Does Not Exceed Letter has been sent DET-DNE-EXT Determination Does Not Exceed Extension letter has been sent

<p>statusCode (Cont.)</p>	<p>DET-DNE-EXT-Denied Determination Does Not Exceed Extension Denial letter has been sent</p> <p>DET-DNE-FasttrackDetermination Does Not Exceed DNE-Fasttrack letter has been sent.</p> <p>DET-DNE-Fasttrack18 Determination Does Not Exceed DNE-Fasttrack18 letter has been sent.</p> <p>DET-DNE-PSF-SentDetermination Does Not Exceed Project Status Request Follow-Up Letter has been sent</p> <p>DET-DNE-PSR-Removed Determination Does Not Exceed, no Project Status Request letter sent but user removed from PSR report</p> <p>DET-DNE-PSR-Sent Determination Does Not Exceed and Project Status Request letter sent</p> <p>DET-DNE-TMP Determination Does Not Exceed, Temporary Crane/structure</p> <p>DET-DNH Determination of No Hazard Letter has been sent</p> <p>DET-DNH-EXT Determination of No Hazard Extension letter has been sent</p> <p>DET-DNH-EXT-Denied Determination of No Hazard Extension Denial letter has been sent</p> <p>DET-DNH-PSF-Sent Determination of No Hazard Project Status Request Follow-Up Letter has been sent</p> <p>DET-DNH-PSR-Removed Determination of No Hazard, no PSR letter sent but user removed from PSR report</p> <p>DET-DNH-PSR-Sent Determination of No Hazard and Project Status Request letter sent</p> <p>DET-DOH Determination of Hazard Letter has been sent</p>
----------------------------------	--

statusCode (Cont.)	<p>DET-DPH Determination of Presumed Hazard letter has been sent</p> <p>DET-EBO Determination of Exceeds But Okay Letter has been sent</p> <p>DET-EBO-EXT Determination of Exceeds But Okay Extension letter has been sent</p> <p>DET-EBO-EXT-Denied Determination of Exceeds But Okay Extension Denial letter has been sent</p> <p>DET-EBO-PSF-Sent Determination of Exceeds But Okay Project Status Request Follow-Up Letter has been sent</p> <p>DET-EBO-PSR-Sent Determination of Exceeds But Okay Project Status Request letter has been sent</p> <p>DET-EBO-TMP Determination of Exceeds But Okay, Temporary Crane/structure</p> <p>DET-FSB Determination of Feasibility Letter has been sent</p> <p>DET-M&L Determination of Marking and Lighting letter has been sent</p> <p>DET-M&L-Denied Determination of Marking and Lighting Denial letter has been sent</p> <p>DET-NNR No Notice Required, It is Legacy Status last used 1999</p> <p>DET-NPH Notice of Presumed Hazard Letter has been sent</p> <p>DET-OTH OE Determination, Mostly Legacy Cases (before 2001)</p>
statusDescription	Case status description
structureDescription	Structure location
structureType	Off Airport Type of structure; (e.g. Crane, Wind Turbine, Building, etc...).

studyComponentType	On Airport Component Type; (e.g. Buildings, Hangar, etc...).
studyDevelopmentType	On Airport Development Type; (e.g. Construction, Expansion, etc...).
studyTypeOther	If used, contains more description of certain On Airport Component/Development Type combinations.
subsequentASN	Next ASN
transmissionDate	Date to WRK status - Earliest date available for FAA division users to begin evaluation of a case.
traverseway	Crossing for mobile objects: NO = None, WW = Waterway, IH = Interstate Highway, PH = Public Highway, PR = Private Road and RR = Railroad
year	Year of case

5 Using OE/AAA Web API RESTful Services

5.1 OEWEBAPI

All requests are RESTful, **with an endpoint** of the following format: [https://<hostname>\[:port\]/<restful query>](https://<hostname>[:port]/<restful query>)

Endpoint URL: <https://oeaaa.faa.gov/oeaaa/services/list>

Port: 443 (standard)

RESTful query: one of the following queries.

6 Find On Airport or Off Airport Case by ASN

```
/oeaaa/services/case/{asn}
```

Description

Case ASN

6.0 Sample query

```
/oeaaa/services/case/2010-AEA-100-NRA
```

6.1 Sample result

```
- <NRACase>
<id>122784658</id>
<asn>2010-AEA-100-NRA</asn>
<asnSequence>100</asnSequence>
<dateCompleted>2010-04-16</dateCompleted>
<caseType>NRA</caseType>
<nearestAirportName>WILLIAMSPORT RGNL</nearestAirportName>
<nearestState>PA</nearestState>
<aglStructureHeight>21</aglStructureHeight>
<faaGeographyId>AEA</faaGeographyId>
<statusCode>DET-to-Prop</statusCode>
<year>2010</year>
<sponsor>Williamsport Airport</sponsor>
<sponsorAddress1>700 Airport Road</sponsorAddress1>
<sponsorCity>Montoursville</sponsorCity>
<sponsorState>PA</sponsorState>
<sponsorPostalCode>17754</sponsorPostalCode>
<locatorId>IPT</locatorId>
<latitude>41.24649444444444</latitude>
<longitude>-76.92790833333333</longitude>
<receivedDate>2010-02-17T00:00:00-05:00</receivedDate>
<amslOverallHeightProposed>547</amslOverallHeightProposed>
</NRACase>
```


7 Find Circ cases by nearest state code

/oeaaa/services/caseList/circ/{state}

Parameter	Required	Description
State	Yes	Case ASN

7.0 Sample query

/oeaaa/services/caseList/circ/CA

7.1 Sample result

```
<caseList>
- <OECASE>
  <id>619127</id>
  <asn>2009-AWP-709-OE</asn>
  <asnSequence>709</asnSequence>
  <dateEntered>2009-02-11</dateEntered>
  <dateCompleted>2009-03-09</dateCompleted>
  <caseType>OE</caseType>
  <nearestAirportName>LGB</nearestAirportName>
  <nearestState>CA</nearestState>
  <nearestCity>Lakewood</nearestCity>
  <siteElevationProposed>449</siteElevationProposed>
  <aglStructureHeight>30</aglStructureHeight>
  <statusCode>CIR</statusCode>
  <year>2009</year>
  <sponsor>The Boeing Company</sponsor>
  <sponsorAddress1>4501 E. Conant St., Bldg 851,</sponsorAddress1>
  <sponsorCity>Long Beach</sponsorCity>
  <sponsorState>CA</sponsorState>
  <sponsorPostalCode>90808</sponsorPostalCode>
  <faaGeographyId>AWP</faaGeographyId>
  <distanceFromNearestAirport>3607.64720909226</distanceFromNearestAirport>
<directionFromNearestAirport>338.39306206986527</directionFromNearestAirport>
  <structureDescription>Light Pole 1</structureDescription>
  <structureType>Light Pole</structureType>
  <locatorId>LGB</locatorId>
  <latitude>33.82693333333336</latitude>
  <longitude>-118.1560027777777</longitude>
  <sponsorEmail>salvatore.m.stavale@boeing.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
  <sponsorPhone>562-497-6153</sponsorPhone>
  <receivedDate>2009-02-11T20:40:58-05:00</receivedDate>
  <amslOverallHeightProposed>80</amslOverallHeightProposed>
</OECASE>
- <OECASE>
  <id>619128</id>
  <asn>2009-AWP-710-OE</asn>
```

```

<asnSequence>710</asnSequence>
<dateEntered>2009-02-11</dateEntered>
<dateCompleted>2009-03-09</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>LGB</nearestAirportName>
<nearestState>CA</nearestState>
<nearestCity>Lakewood</nearestCity>
<siteElevationProposed>449</siteElevationProposed>
<aglStructureHeight>30</aglStructureHeight>
<statusCode>CIR</statusCode>
<year>2009</year>
<sponsor>The Boeing Company</sponsor>
<sponsorAddress1>4501 E. Conant St., Bldg 851,</sponsorAddress1>
<sponsorCity>Long Beach</sponsorCity>
<sponsorState>CA</sponsorState>
<sponsorPostalCode>90808</sponsorPostalCode>
<faaGeographyId>AWP</faaGeographyId>
<distanceFromNearestAirport>3716.87104279247</distanceFromNearestAirport>
<directionFromNearestAirport>338.502817806012</directionFromNearestAirport>
<structureDescription>Light Pole 2</structureDescription>
<structureType>Light Pole</structureType>
<locatorId>LGB</locatorId>
<latitude>33.827219444444445</latitude>
<longitude>-118.15611388888888</longitude>
<sponsorEmail>salvatore.m.stavale@boeing.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>562-497-6153</sponsorPhone>
<receivedDate>2009-02-11T20:40:58-05:00</receivedDate>
<amslOverallHeightProposed>80</amslOverallHeightProposed>
</OECASE>
- <OECASE>
<id>619129</id>
<asn>2009-AWP-711-OE</asn>
<asnSequence>711</asnSequence>
<dateEntered>2009-02-11</dateEntered>
<dateCompleted>2009-03-09</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>LGB</nearestAirportName>
<nearestState>CA</nearestState>
<nearestCity>Lakewood</nearestCity>
<siteElevationProposed>449</siteElevationProposed>
<aglStructureHeight>30</aglStructureHeight>
<statusCode>CIR</statusCode>
<year>2009</year>
<sponsor>The Boeing Company</sponsor>
<sponsorAddress1>4501 E. Conant St., Bldg 851,</sponsorAddress1>
<sponsorCity>Long Beach</sponsorCity>
<sponsorState>CA</sponsorState>
<sponsorPostalCode>90808</sponsorPostalCode>
<faaGeographyId>AWP</faaGeographyId>
<distanceFromNearestAirport>3795.25396737547</distanceFromNearestAirport>
<directionFromNearestAirport>337.40903438271386</directionFromNearestAirport>

```

<structureDescription>Light Pole 3</structureDescription>
<structureType>Light Pole</structureType>
<locatorId>LGB</locatorId>
<latitude>33.82734444444444</latitude>
<longitude>-118.15643055555556</longitude>
<sponsorEmail>salvatore.m.stavale@boeing.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>562-497-6153</sponsorPhone>
<receivedDate>2009-02-11T20:40:58-05:00</receivedDate>
<amslOverallHeightProposed>80</amslOverallHeightProposed>
</OECASE>

8 Find cases by type and date range

/oeaaa/services/caseList/date/{type}?start={start}&end={end}

Parameter	Required	Description
type	Yes	Case type {OE NRA}
start	Yes	Start date
end	Yes	End date

8.0 Sample query

/oeaaa/services/caseList/date/NRA?start=01-05-2011&end=08-29-2011

8.1 Sample result

```
- <caseList>
- <NRACase>
  <id>131789021</id>
  <asn>2010-AEA-755-NRA</asn>
  <asnSequence>755</asnSequence>
  <dateCompleted>2011-01-05</dateCompleted>
  <caseType>NRA</caseType>
  <nearestAirportName>RALEIGH COUNTY MEMORIAL</nearestAirportName>
  <nearestState>WV</nearestState>
  <aglStructureHeight>35</aglStructureHeight>
  <faaGeographyId>AEA</faaGeographyId>
  <statusCode>DET-to-Prop</statusCode>
  <year>2010</year>
  <sponsor>Tom Cochran</sponsor>
  <sponsorAddress1>176 Airport Circle</sponsorAddress1>
  <sponsorCity>Beaver</sponsorCity>
  <sponsorState>WV</sponsorState>
  <sponsorPostalCode>25813</sponsorPostalCode>
  <locatorId>BKW</locatorId>
  <latitude>37.79278055555555</latitude>
  <longitude>-81.12146944444444</longitude>
  <receivedDate>2010-10-06T09:38:53-04:00</receivedDate>
  <amslOverallHeightProposed>2513</amslOverallHeightProposed>
</NRACase>
- <NRACase>
  <id>124329826</id>
  <asn>2010-ANE-146-NRA</asn>
  <asnSequence>146</asnSequence>
  <dateCompleted>2011-01-05</dateCompleted>
  <caseType>NRA</caseType>
  <nearestAirportName>MOUNT WASHINGTON RGNL</nearestAirportName>
  <nearestState>NH</nearestState>
  <aglStructureHeight>15</aglStructureHeight>
  <faaGeographyId>ANE</faaGeographyId>
  <statusCode>DET-to-Prop</statusCode>
```

```

<year>2010</year>
<sponsor>Mt. Washington Regional Airport Commission</sponsor>
<sponsorAddress1>38 King Square</sponsorAddress1>
<sponsorCity>Whitefield</sponsorCity>
<sponsorState>NH</sponsorState>
<sponsorPostalCode>03598</sponsorPostalCode>
<locatorId>HIE</locatorId>
<latitude>44.3675</latitude>
<longitude>-71.54583333333333</longitude>
<receivedDate>2010-04-01T00:00:00-04:00</receivedDate>
<amslOverallHeightProposed>1060</amslOverallHeightProposed>
</NRACase>
- <NRACase>
  <id>124330214</id>
  <asn>2010-ANE-147-NRA</asn>
  <asnSequence>147</asnSequence>
  <dateCompleted>2011-01-05</dateCompleted>
  <caseType>NRA</caseType>
  <nearestAirportName>MOUNT WASHINGTON RGNL</nearestAirportName>
  <nearestState>NH</nearestState>
  <aglStructureHeight>15</aglStructureHeight>
  <faaGeographyId>ANE</faaGeographyId>
  <statusCode>DET-to-Prop</statusCode>
  <year>2010</year>
  <sponsor>Mt. Washington Regional Airport Commission</sponsor>
  <sponsorAddress1>38 King Square</sponsorAddress1>
  <sponsorCity>Whitefield</sponsorCity>
  <sponsorState>NH</sponsorState>
  <sponsorPostalCode>03598</sponsorPostalCode>
  <locatorId>HIE</locatorId>
  <latitude>44.3675</latitude>
  <longitude>-71.54583333333333</longitude>
  <receivedDate>2010-04-01T00:00:00-04:00</receivedDate>
  <amslOverallHeightProposed>1060</amslOverallHeightProposed>
  </NRACase>

```

9 Find cases by type, year, and region or nearest state code

/oeaaa/services/caseList/{type}/{year}?region={region}&state={state}

Parameter	Required	Description
type	Yes	Case type {OE NRA}
year	Yes	Year
region	No	Region
state	No	State code

9.0 Sample query

/oeaaa/services/caseList/OE/2010?region=ANE

9.1 Sample result

```
- <caseList>
- <OECASE>
  <id>676421</id>
  <asn>2010-ANE-36-OE</asn>
  <asnSequence>36</asnSequence>
  <dateEntered>2010-01-12</dateEntered>
  <dateCompleted>2010-03-11</dateCompleted>
  <caseType>OE</caseType>
  <nearestAirportName>9B1</nearestAirportName>
  <nearestState>MA</nearestState>
  <nearestCity>Northborough</nearestCity>
  <siteElevationProposed>449</siteElevationProposed>
  <aglStructureHeight>120</aglStructureHeight>
  <statusCode>DET-DNE-PSR-Sent</statusCode>
  <recommendedMarkLightType>None</recommendedMarkLightType>
  <year>2010</year>
  <sponsor>T-Mobile Northeast LLC.</sponsor>
  <sponsorAddress1>15 Commerce Way, Suite B</sponsorAddress1>
  <sponsorCity>Norton</sponsorCity>
  <sponsorState>MA</sponsorState>
  <sponsorPostalCode>02766</sponsorPostalCode>
  <faaGeographyId>ANE</faaGeographyId>
  <distanceFromNearestAirport>31471.0672448238</distanceFromNearestAirport>
<directionFromNearestAirport>259.7627603379414</directionFromNearestAirport>
  <structureDescription>4BS2645C</structureDescription>
  <structureType>Antenna Tower</structureType>
  <locatorId>9B1</locatorId>
  <latitude>42.32781666666667</latitude>
  <longitude>-71.62353888888889</longitude>
  <sponsorEmail>Adam.Sullivan@T-Mobile.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
```

```

<sponsorPhone>401-996-7134</sponsorPhone>
<receivedDate>2010-01-12T15:52:35-05:00</receivedDate>
<amslOverallHeightProposed>432</amslOverallHeightProposed>
</OECASE>
- <OECASE>
  <id>678377</id>
  <asn>2010-ANE-59-OE</asn>
  <asnSequence>59</asnSequence>
  <dateEntered>2010-01-20</dateEntered>
  <dateCompleted>2010-02-05</dateCompleted>
  <caseType>OE</caseType>
  <nearestAirportName>PVD</nearestAirportName>
  <nearestState>RI</nearestState>
  <nearestCity>Warwick</nearestCity>
  <siteElevationProposed>449</siteElevationProposed>
  <aglStructureHeight>110</aglStructureHeight>
  <statusCode>DET-DNE-PSR-Sent</statusCode>
  <recommendedMarkLightType>None</recommendedMarkLightType>
  <year>2010</year>
  <sponsor>T-Mobile Northeast LLC.</sponsor>
  <sponsorAddress1>15 Commerce Way, Suite B</sponsorAddress1>
  <sponsorCity>Norton</sponsorCity>
  <sponsorState>MA</sponsorState>
  <sponsorPostalCode>02766</sponsorPostalCode>
  <faaGeographyId>ANE</faaGeographyId>
  <distanceFromNearestAirport>9242.53102943466</distanceFromNearestAirport>
<directionFromNearestAirport>187.1421417619819</directionFromNearestAirport>
  <structureDescription>4PR0270C</structureDescription>
  <structureType>Antenna Tower</structureType>
  <locatorId>PVD</locatorId>
  <latitude>41.69883333333333</latitude>
  <longitude>-71.43244444444444</longitude>
  <sponsorEmail>Adam.Sullivan@T-Mobile.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
  <sponsorPhone>401-996-7134</sponsorPhone>
  <receivedDate>2010-01-20T16:43:35-05:00</receivedDate>
  <amslOverallHeightProposed>150</amslOverallHeightProposed>
</OECASE>

```

10 Find cases by boxed search

Authenticated login required for access.

```
/oeaaa/services/secure/caseList/boxed/{type}?swlon={swlon}&swlat={swlat}&nelon={nelon}&nelat={nelat}
```

Parameter	Parameter	Parameter
type	type	type
swlat	swlat	swlat
swlon	swlon	swlon
nelat	nelat	nelat

10.0 Sample query

```
/oeaaa/services/secure/caseList/boxed/OE?swlon=77&swlat=38.5&nelon=-77&nelat=46
```

10.1 Sample result

```
<caseList>
- <OECASE>
  <id>147572859</id>
  <asn>2011-AEA-3067-OE</asn>
  <asnSequence>3067</asnSequence>
  <dateEntered>2011-08-11</dateEntered>
  <caseType>OE</caseType>
  <nearestAirportName>1E8</nearestAirportName>
  <nearestState>NY</nearestState>
  <nearestCity>Clifton</nearestCity>
  <siteElevationProposed>449</siteElevationProposed>
  <aglStructureHeight>105</aglStructureHeight>
  <statusCode>WRK-Part77</statusCode>
  <year>2011</year>
  <sponsor>Independent Towers, LLC</sponsor>
  <sponsorAddress1>11 Herbert Drive</sponsorAddress1>
  <sponsorCity>Latham</sponsorCity>
  <sponsorState>NY</sponsorState>
  <sponsorPostalCode>12110</sponsorPostalCode>
  <faaGeographyId>AEA</faaGeographyId>
  <distanceFromNearestAirport>84868.8755567979</distanceFromNearestAirport>
  <directionFromNearestAirport>137.7623096865918</directionFromNearestAirport>
  <structureDescription>IND-148 Cranberry Lake</structureDescription>
  <structureType>Antenna Tower</structureType>
  <locatorId>1E8</locatorId>
  <latitude>44.21562222222222</latitude>
  <longitude>-74.84833333333333</longitude>
  <sponsorEmail>kfretto@independenttowers.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
  <sponsorPhone>518-690-0790</sponsorPhone>
  <receivedDate>2011-08-11T09:52:20-04:00</receivedDate>
  <amslOverallHeightProposed>1786</amslOverallHeightProposed>
</OECASE>
- <OECASE>
  <id>148023600</id>
```


<asn>2011-AEA-3173-OE</asn>
<asnSequence>3173</asnSequence>
<dateEntered>2011-08-18</dateEntered>
<caseType>OE</caseType>
<nearestAirportName>ADW</nearestAirportName>
<nearestState>MD</nearestState>
<nearestCity>Andrews AFB</nearestCity>
<siteElevationProposed>449</siteElevationProposed>
<aglStructureHeight>15</aglStructureHeight>
<statusCode>WRK-Part77</statusCode>
<year>2011</year>
<sponsor>Applicators, Inc.</sponsor>
<sponsorAddress1>14700 Old Gunpowder Road</sponsorAddress1>
<sponsorCity>Laurel</sponsorCity>
<sponsorState>MD</sponsorState>
<sponsorPostalCode>20707</sponsorPostalCode>
<faaGeographyId>AEA</faaGeographyId>
<distanceFromNearestAirport>4128.68690983026</distanceFromNearestAirport>
<directionFromNearestAirport>325.4584224973135</directionFromNearestAirport>
<structureDescription>Repair Equip - Taxiway Whiskey-Point
</structureDescription>
<structureType>Other w/o Antenna</structureType>
<locatorId>ADW</locatorId>
<latitude>38.82015833333334</latitude>
<longitude>-76.87523888888889</longitude>
<sponsorEmail>applicators@cs.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>301-953-7447</sponsorPhone>
<receivedDate>2011-08-18T10:57:51-04:00</receivedDate>
<amslOverallHeightProposed>282</amslOverallHeightProposed>
</OECASE>

11 Find NOTAM cases by date range, nearest state or case ID

Authenticated login required for access.

```
/oeaaa/services/secure/caseList/notam?state=RI&fromDate=mm-dd-yyyy&aglHeightProposedGT=200&toDate=mm-dd-yyyy
```

11.0 Sample query

```
/oeaaa/services/secure/caseList/notam?state=RI&fromDate=11-21-2010&aglHeightProposedGT=200&toDate=01-15-2011
```

11.1 Sample result

```
- <caseList>
- <OECASE>
  <id>132554618</id>
  <asn>2010-WTE-14953-OE</asn>
  <asnSequence>14953</asnSequence>
  <dateEntered>2010-10-26</dateEntered>
  <dateCompleted>2010-11-29</dateCompleted>
  <caseType>OE</caseType>
  <nearestAirportName>PVD</nearestAirportName>
  <nearestState>RI</nearestState>
  <nearestCity>Bristol</nearestCity>
  <siteElevationProposed>449</siteElevationProposed>
  <aglStructureHeight>450</aglStructureHeight>
  <statusCode>DET-NPH</statusCode>
  <year>2010</year>
  <sponsor>Alteris Renewables, Inc.</sponsor>
  <sponsorAddress1>51 Dugway Road</sponsorAddress1>
  <sponsorCity>Waitsfield</sponsorCity>
  <sponsorState>VT</sponsorState>
  <sponsorPostalCode>05673</sponsorPostalCode>
  <faaGeographyId>WTE</faaGeographyId>
  <distanceFromNearestAirport>38242.0423721523</distanceFromNearestAirport>
  <directionFromNearestAirport>118.00440535298922</directionFromNearestAirport>
  <structureDescription>RI DEM - 450' - Colt Park</structureDescription>
  <structureType>Wind Turbine</structureType>
  <locatorId>PVD</locatorId>
  <latitude>41.6748</latitude>
  <longitude>-71.30453055555556</longitude>
  <sponsorEmail>aroth@alterisinc.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
  <sponsorPhone>802-496-5155</sponsorPhone>
  <receivedDate>2010-10-26T23:33:42-04:00</receivedDate>
  <amslOverallHeightProposed>483</amslOverallHeightProposed>
</OECASE>
- <OECASE>
  <id>132554614</id>
  <asn>2010-WTE-14951-OE</asn>
  <asnSequence>14951</asnSequence>
```

<dateEntered>2010-10-26</dateEntered>
<dateCompleted>2010-12-06</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>PVD</nearestAirportName>
<nearestState>RI</nearestState>
<nearestCity>Warwick</nearestCity>
<siteElevationProposed>449</siteElevationProposed>
<aglStructureHeight>400</aglStructureHeight>
<statusCode>DET-NPH</statusCode>
<year>2010</year>
<sponsor>Alteris Renewables, Inc.</sponsor>
<sponsorAddress1>51 Dugway Road</sponsorAddress1>
<sponsorCity>Waitsfield</sponsorCity>
<sponsorState>VT</sponsorState>
<sponsorPostalCode>05673</sponsorPostalCode>
<faaGeographyId>WTE</faaGeographyId>
<distanceFromNearestAirport>21206.5599499552</distanceFromNearestAirport>
<directionFromNearestAirport>127.84491284969383</directionFromNearestAirport>
<structureDescription>RI DEM - 400' - Rocky Point</structureDescription>
<structureType>Wind Turbine</structureType>
<locatorId>PVD</locatorId>
<latitude>41.688361111111114</latitude>
<longitude>-71.366825</longitude>
<sponsorEmail>aroth@alterisinc.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>802-496-5155</sponsorPhone>
<receivedDate>2010-10-26T23:33:41-04:00</receivedDate>
<amslOverallHeightProposed>440</amslOverallHeightProposed>
</OECASE>

12 Find OE/NRA cases, including Navy, Army, Air Force, Homeland Security responses, by date range

Authenticated login required for access.

/oeaaa/services/secure/caseList/mcat?fromDate=yyyy-mm-dd&toDate=yyyy-mm-dd

12.0 Sample query

/oeaaa/services/secure/caseList/mcat?fromDate=2012-03-21&toDate=2012-04-01

12.1 Sample result

```
<OECASE>
  <id>161603480</id>
  <asn>2012-ASO-3209-OE</asn>
  <asnSequence>3209</asnSequence>
  <dateEntered>2012-03-28</dateEntered>
  <dateCompleted>2012-04-12</dateCompleted>
  <caseType>OE</caseType>
  <nearestAirportName>SIG</nearestAirportName>
  <nearestState>PR</nearestState>
  <nearestCity>Guaynabo</nearestCity>
  <siteElevationProposed>195</siteElevationProposed>
  <aglStructureHeight>199</aglStructureHeight>
  <statusCode>DET-DNE-Fastrack</statusCode>
  <recommendedMarkLightType>None</recommendedMarkLightType>
  <year>2012</year>
  <sponsor>Global Tower, LLC</sponsor>
  <sponsorAddress1>750 Park of Commerce Blvd</sponsorAddress1>
  <sponsorCity>Boca Raton</sponsorCity>
  <sponsorState>FL</sponsorState>
  <sponsorPostalCode>33487</sponsorPostalCode>
  <faaGeographyId>ASO</faaGeographyId>
  <distanceFromNearestAirport>38958.8025638733</distanceFromNearestAirport>
  <directionFromNearestAirport>191.81485234551747</directionFromNearestAirport>
  <structureDescription>PR-5104 - Guaynabo Cantagnallo</structureDescription>
  <structureType>Antenna Tower</structureType>
  <locatorId>SIG</locatorId>
  <latitude>18.35180555555558</latitude>
  <longitude>-66.12159999999999</longitude>
  <sponsorEmail>fcc-contact@gtpsites.com</sponsorEmail>
  <sponsorCountry>US</sponsorCountry>
```

```

<sponsorPhone>561-995-0320</sponsorPhone>
<receivedDate>2012-03-28T18:12:53-04:00</receivedDate>
<amslOverallHeightProposed>394</amslOverallHeightProposed>
<lastUpdateDate>2012-04-24T13:41:17-04:00</lastUpdateDate>
<responses>
  <response>
    <department>HOMELAND_SECURITY</department>
    <responseCode>N</responseCode>
  </response>
  <response>
    <department>ARMY</department>
    <responseCode>N</responseCode>
  </response>
  <response>
    <department>AIR_FORCE</department>
    <responseCode>S</responseCode>
  </response>
  <response>
    <department>NAVY</department>
    <responseCode>S</responseCode>
  </response>
</responses>
</OECCase>
<NRACase>
  <id>127512292</id>
  <asn>2010-AAL-154-NRA</asn>
  <asnSequence>154</asnSequence>
  <dateCompleted>2010-07-23</dateCompleted>
  <caseType>NRA</caseType>
  <nearestAirportName>EDWARD G. PITKA SR</nearestAirportName>
  <nearestState>AK</nearestState>
  <aglStructureHeight>31</aglStructureHeight>
  <faaGeographyId>AAL</faaGeographyId>
  <statusCode>DET-to-Prop</statusCode>
  <year>2010</year>
  <sponsor>CH2M Hill</sponsor>
  <sponsorAddress1>301 W. Northern Lights Blvd, Suite 601</sponsorAddress1>
  <sponsorCity>Anchorage</sponsorCity>
  <sponsorState>AK</sponsorState>
  <sponsorPostalCode>99503</sponsorPostalCode>
  <locatorId>GAL</locatorId>
  <latitude>64.73431388888889</latitude>
  <longitude>-156.91982777777775</longitude>
  <receivedDate>2010-06-29T00:00:00-04:00</receivedDate>
  <amslOverallHeightProposed>187</amslOverallHeightProposed>
  <lastUpdateDate>2012-03-21T15:15:53-04:00</lastUpdateDate>

```

```
<responses>
  <response>
    <department>ARMY</department>
    <responseCode>S</responseCode>
  </response>
  <response>
    <department>AIR_FORCE</department>
    <responseCode>N</responseCode>
  </response>
  <response>
    <department>NAVY</department>
    <responseCode>S</responseCode>
  </response>
</responses>
</NRACase>
```