



Federal Aviation
Administration

FEDERAL AVIATION ADMINISTRATION

OE/AAA[®] Obstruction Evaluation / Airport Airspace Analysis

WEB APPLICATION PROGRAMMING INTERFACE (API) RESTFUL SERVICES

USER GUIDE

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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.
2013.1.0	03/28/2013	Added Web Service for USAF & DHS	CGH Technologies Inc.
2014.1.0	01/30/2014	MCAT Data Changes	CGH Technologies Inc.
2014.3.0	08/01/2014	Document Revision Changes	CGH Technologies Inc.
2016.1.0	04/21/2016	Revised Web Services Glossary	CGH Technologies Inc.
2018.2.0	12/08/2018	Document Revision Changes	CGH Technologies Inc.
2020-DEC.2	01/12/2021	Document Revision Changes	CGH Technologies Inc.
2021-SEP	09/30/2021	Document Revision Changes	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.
2013.1.0	03/28/2013	Added Permission Based Security Access	CGH Technologies Inc.
2013.1.0	03/28/2013	Added DHS Web Service	CGH Technologies Inc.
2013.1.0	03/28/2013	Added USAF Web Service	CGH Technologies Inc.
2013.1.0	03/28/2013	Added Date Transmitted to MCAT	CGH Technologies Inc.
2013.1.0	03/28/2013	Added Project Name to MCAT	CGH Technologies Inc.
2013.1.0	03/28/2013	Added OSD Division Response Data	CGH Technologies Inc.
2014.1.0	01/09/2014	Typographical and format updates	CGH Technologies Inc.
2014.1.0	01/30/2014	Added New Data Fields to MCAT	CGH Technologies Inc.
2014.3.0	08/01/2014	Removed Authenticated Web Services	CGH Technologies Inc.
2014.3.0	08/01/2014	Added Authenticated login Verbiage	CGH Technologies Inc.
2014.3.0	08/01/2014	Revised Web Services Glossary	CGH Technologies Inc.
2016.1.0	04/21/2016	Revised Web Services Glossary	CGH Technologies Inc.
2018.2.0	12/08/2018	Removed CGH Logo	CGH Technologies Inc.
2018.2.0	12/08/2018	Updated Example Web Service Query	CGH Technologies Inc.
2020-DEC.2	01/12/2021	Added NPF-Notice of Preliminary Finding status	CGH Technologies Inc.
2021-SEP	09/30/2021	Added Expiration Date to Public Web Services	CGH Technologies Inc.



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2021-SEP	09/30/2021	Added Structure Types Table	CGH Technologies Inc.



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1 Welcome

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

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 (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 Before You Start

2.0 What You Should Already Know

Web services provide data exchange operability to link data between different applications and platforms. Before you continue, you should have a basic understanding of HTML and XML.

3 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
NOTAM	Notice To Airmen (NOTAM)
NRA	Non-Ruled Airports (case type)
OE	Obstruction Evaluation (case type)
OEWBAPI	Obstruction Evaluation Web Application Program Interface
REST	Representational State Transfer (REST)
RESTful	Conforming to the REST constraints



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WADL	Web Application Description Language (WADL)
XML	Extensible Markup Language (XML)

4 Web Services

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

4.0 Public Access

4.0.1 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

4.0.2 Circ – No login required.

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

4.1 Authenticated FAA Access

Authenticated login is required to access OE/AAA web services that support internal FAA processes. Authenticated login access is restricted to FAA employees, contractors and partners.



OE/AAA Administrative system security users assign web service permission(s) to authenticated user accounts.



5 Performance of RESTful Services

The public RESTful web services communicate by transferring a representation of an OE/AAA resource in a format matching one of an evolving set of standard data types.

These services are selected dynamically based on the desires of a recipient based and the nature of the resource data (i.e. by ASN, etc.).

6 Best Practices

Rendering a complex RESTful service query is discouraged as this can take a lot of time, especially if the user is accessing it with an older browser or with a low-performance computer, such as a netbook.

To ensure the best performance and system-wide user satisfaction please break down large request into multiple service calls.

To provide a smooth user experience while optimizing the performance of all OE/AAA system resources, web service queries are limited to 2000.

7 Using Non-Authenticated OE/AAA Public Web API RESTful Services

7.0 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.

7.1 OE/AAA Public Web Services

*** Login is NOT required for access.**

Name	Detail	Provider	Type	Frequency
Public	OE/NRA Case Data https://oeaaa.faa.gov/oeaaa/services/?_wadl&_type=xml	OE/AAA	RESTFul	On Demand



7.2 Find On Airport or Off Airport Case by ASN

*** Login is NOT required for access.**

/oeaaa/services/case/{asn}

Parameter Name	Element Description	Required
asn	Case ASN	Yes

7.2.1 Sample query - OE

/oeaaa/services/case/2021-ACE-1349-OE

7.2.2 Sample result - OE

```
<caseData>
<OECASE>
<id>469101279</id>
<asn>2021-ACE-1349-OE</asn>
<asnSequence>1349</asnSequence>
<dateEntered>2021-02-11</dateEntered>
<expirationDate>2022-10-01</expirationDate>
<dateCompleted>2021-03-31</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>M66</nearestAirportName>
<nearestState>KS</nearestState>
<nearestCity>Hillsboro</nearestCity>
<siteElevationProposed>1407</siteElevationProposed>
<aglStructureHeight>180</aglStructureHeight>
<aglStructureHeightDet>180</aglStructureHeightDet>
<statusCode>DET-DNE</statusCode>
<recommendedMarkLightType>None</recommendedMarkLightType>
<year>2021</year>
<sponsor>Countryside Feed, LLC</sponsor>
<sponsorAddress1>101 Sante Fe St</sponsorAddress1>
<sponsorCity>Hillsboro</sponsorCity>
<sponsorState>KS</sponsorState>
<sponsorPostalCode>67063</sponsorPostalCode>
<faaGeographyId>ACE</faaGeographyId>
<distanceFromNearestAirport>11084.9836472585</distanceFromNearestAirport>
<directionFromNearestAirport>48.3250585525687</directionFromNearestAirport>
<structureDescription>Grain Elevator</structureDescription>
<structureType>GRAIN_ELEVATOR</structureType>
<locatorId>M66</locatorId>
<latitude>38.36180555555556</latitude>
<longitude>-97.18499722222222</longitude>
<sponsorEmail>bacton@countrysidefeed.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>417-531-1867</sponsorPhone>
<receivedDate>2021-02-11T16:08:51-05:00</receivedDate>
<amslOverallHeightProposed>1587</amslOverallHeightProposed>
<amslOverallHeightDet>1587</amslOverallHeightDet>
<latLongAccuracy>4D</latLongAccuracy>
```




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</OECASE>

7.2.3 Sample query - NRA

/oeaaa/services/case/2021-AWP-3291-NRA

7.2.4 Sample result - NRA

```
<caseData>
  <NRACase>
    <id>491334204</id>
    <asn>2021-AWP-3291-NRA</asn>
    <asnSequence>3291</asnSequence>
    <createdDate>2021-08-13T00:00:00-04:00</createdDate>
    <expirationDate/>
    <dateCompleted>2021-08-20</dateCompleted>
    <caseType>NRA</caseType>
    <nearestAirportName>SAN CARLOS</nearestAirportName>
    <nearestCity>SAN CARLOS</nearestCity>
    <nearestState>CA</nearestState>
    <siteElevationProposed>12</siteElevationProposed>
    <aglStructureHeight>44</aglStructureHeight>
    <faaGeographyId>AWP</faaGeographyId>
    <statusCode>DET-to-Prop</statusCode>
    <year>2021</year>
    <sponsor>Silicon Valley Clean Water</sponsor>
    <sponsorAddress1>1404 Radio Road</sponsorAddress1>
    <sponsorCity>Redwood City</sponsorCity>
    <sponsorState>CA</sponsorState>
    <sponsorCountry>US</sponsorCountry>
    <sponsorEmail>Bruce@MPF-Consulting.com</sponsorEmail>
    <sponsorPostalCode>94065</sponsorPostalCode>
    <sponsorPhone>650-825-5511</sponsorPhone>
    <structureDescription>Mobile Crane</structureDescription>
    <structureType>CRANE$MOBILE</structureType>
    <locatorId>SQL</locatorId>
    <latitude>37.50604444444444</latitude>
    <longitude>-122.24445833333334</longitude>
    <receivedDate>2021-08-13T00:00:00-04:00</receivedDate>
    <amslOverallHeightProposed>56</amslOverallHeightProposed>
    <latLongAccuracy>4D</latLongAccuracy>
  </NRACase>
</caseData>
```



7.3 Find Circ cases by nearest state code

*** Login is NOT required for access.**

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

Parameter Name	Element Description	Required
state	Case ASN	Yes

7.3.1 Sample query

/oeaaa/services/caseList/circ/VA

7.3.2 Sample result

```
<caseList>
<OECASE>
<id>456782814</id>
<asn>2020-AEA-12106-OE</asn>
<asnSequence>12106</asnSequence>
<dateEntered>2020-11-16</dateEntered>
<expirationDate/>
<dateCompleted>2021-02-08</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>DCA</nearestAirportName>
<nearestState>VA</nearestState>
<nearestCity>Arlington</nearestCity>
<siteElevationProposed>34</siteElevationProposed>
<aglStructureHeight>351</aglStructureHeight>
<aglStructureHeightDet>351</aglStructureHeightDet>
<statusCode>CIR</statusCode>
<year>2020</year>
<sponsor>JBG Smith TRS/LLC</sponsor>
<sponsorAddress1>4747 Bethesda Avenue</sponsorAddress1>
<sponsorCity>Bethesda</sponsorCity>
<sponsorState>MD</sponsorState>
<sponsorPostalCode>20814</sponsorPostalCode>
<faaGeographyId>AEA</faaGeographyId>
<distanceFromNearestAirport>6450.02986062765</distanceFromNearestAirport>
<directionFromNearestAirport>311.3440621321423</directionFromNearestAirport>
<structureDescription>Commercial Use Building</structureDescription>
<structureType>BUILDING$COMMERCIAL</structureType>
<locatorId>DCA</locatorId>
<latitude>38.86314166666667</latitude>
<longitude>-77.05472777777777</longitude>
<sponsorEmail>JDonaldson@jbgsmith.com</sponsorEmail>
```



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```
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>202-607-1775</sponsorPhone>
<receivedDate>2020-11-16T22:01:21-05:00</receivedDate>
<amslOverallHeightProposed>385</amslOverallHeightProposed>
<amslOverallHeightDet>385</amslOverallHeightDet>
<latLongAccuracy>1A</latLongAccuracy>
</OECASE>
<OECASE>
<id>456782821</id>
<asn>2020-AEA-12113-OE</asn>
<asnSequence>12113</asnSequence>
<dateEntered>2020-11-16</dateEntered>
<expirationDate/>
<dateCompleted>2021-02-08</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>DCA</nearestAirportName>
<nearestState>VA</nearestState>
<nearestCity>Arlington</nearestCity>
<siteElevationProposed>39</siteElevationProposed>
<aglStructureHeight>354</aglStructureHeight>
<aglStructureHeightDet>354</aglStructureHeightDet>
<statusCode>CIR</statusCode>
<year>2020</year>
<sponsor>JBG Smith TRS/LLC</sponsor>
<sponsorAddress1>4747 Bethesda Avenue</sponsorAddress1>
<sponsorCity>Bethesda</sponsorCity>
<sponsorState>MD</sponsorState>
<sponsorPostalCode>20814</sponsorPostalCode>
<faaGeographyId>AEA</faaGeographyId>
<distanceFromNearestAirport>6797.02116010514</distanceFromNearestAirport>
<directionFromNearestAirport>307.7333242662262</directionFromNearestAirport>
<structureDescription>Commercial Use Building</structureDescription>
<structureType>BUILDING$COMMERCIAL</structureType>
<locatorId>DCA</locatorId>
<latitude>38.8628638888889</latitude>
<longitude>-77.0566</longitude>
<sponsorEmail>JDonaldson@jbgsmith.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>202-607-1775</sponsorPhone>
<receivedDate>2020-11-16T22:01:25-05:00</receivedDate>
<amslOverallHeightProposed>393</amslOverallHeightProposed>
<amslOverallHeightDet>393</amslOverallHeightDet>
<latLongAccuracy>1A</latLongAccuracy>
</OECASE>
```



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```
<OECASE>
<id>456782829</id>
<asn>2020-AEA-12121-OE</asn>
<asnSequence>12121</asnSequence>
<dateEntered>2020-11-16</dateEntered>
<expirationDate/>
<dateCompleted>2021-02-08</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>DCA</nearestAirportName>
<nearestState>VA</nearestState>
<nearestCity>Arlington</nearestCity>
<siteElevationProposed>42</siteElevationProposed>
<aglStructureHeight>358</aglStructureHeight>
<aglStructureHeightDet>349</aglStructureHeightDet>
<statusCode>CIR</statusCode>
<year>2020</year>
<sponsor>JBG Smith TRS/LLC</sponsor>
<sponsorAddress1>4747 Bethesda Avenue</sponsorAddress1>
<sponsorCity>Bethesda</sponsorCity>
<sponsorState>MD</sponsorState>
<sponsorPostalCode>20814</sponsorPostalCode>
<faaGeographyId>AEA</faaGeographyId>
<distanceFromNearestAirport>7228.93271318629</distanceFromNearestAirport>
<directionFromNearestAirport>313.0380325799536</directionFromNearestAirport>
<structureDescription>Commercial Use Building</structureDescription>
<structureType>BUILDING$COMMERCIAL</structureType>
<locatorId>DCA</locatorId>
<latitude>38.86498888888889</latitude>
<longitude>-77.05627777777778</longitude>
<sponsorEmail>JDonaldson@jbgsmith.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>202-607-1775</sponsorPhone>
<receivedDate>2020-11-16T22:01:30-05:00</receivedDate>
<amslOverallHeightProposed>400</amslOverallHeightProposed>
<amslOverallHeightDet>391</amslOverallHeightDet>
<latLongAccuracy>1A</latLongAccuracy>
</OECASE>
```



7.4 Find cases by type and date range

*** Login is NOT required for access.**

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

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

7.4.1 Sample query - OE

`/oeaaa/services/caseList/date/OE?start=2020-11-20&end=2021-01-08`

7.4.2 Sample result - OE

```
<caseList>
<OECase>
<id>453685572</id>
<asn>2020-ASO-31219-OE</asn>
<asnSequence>31219</asnSequence>
<dateEntered>2020-10-13</dateEntered>
<expirationDate>2022-05-20</expirationDate>
<dateCompleted>2020-11-20</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>NIP</nearestAirportName>
<nearestState>FL</nearestState>
<nearestCity>Jacksonville</nearestCity>
<siteElevationProposed>7</siteElevationProposed>
<aglStructureHeight>150</aglStructureHeight>
<aglStructureHeightDet>150</aglStructureHeightDet>
<statusCode>DET-DNE-TMP</statusCode>
<recommendedMarkLightType>Red lights and flags</recommendedMarkLightType>
<year>2020</year>
<sponsor>T-Mobile South LLC</sponsor>
<sponsorAddress1>7025 A.C. Skinner Parkway</sponsorAddress1>
<sponsorCity>Jacksonville</sponsorCity>
<sponsorState>FL</sponsorState>
<sponsorPostalCode>32256</sponsorPostalCode>
<faaGeographyId>ASO</faaGeographyId>
<distanceFromNearestAirport>19197.3504776814</distanceFromNearestAirport>
<directionFromNearestAirport>284.695919355947</directionFromNearestAirport>
<structureDescription>Derrick/Gantry Crane</structureDescription>
<structureType>CRANE$GANTRY</structureType>
<locatorId>NIP</locatorId>
<latitude>30.24708333333332</latitude>
<longitude>-81.7348638888889</longitude>
```



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```
<sponsorEmail>kelly.williamson@T-Mobile.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>904-251-7000</sponsorPhone>
<receivedDate>2020-10-13T16:33:43-04:00</receivedDate>
<amslOverallHeightProposed>157</amslOverallHeightProposed>
<amslOverallHeightDet>157</amslOverallHeightDet>
<latLongAccuracy>4D</latLongAccuracy>
</OECASE>
<OECASE>
<id>454207427</id>
<asn>2020-ANE-5868-OE</asn>
<asnSequence>5868</asnSequence>
<dateEntered>2020-10-19</dateEntered>
<expirationDate>2021-05-20</expirationDate>
<dateCompleted>2020-11-20</dateCompleted>
<caseType>OE</caseType>
<nearestAirportName>BTV</nearestAirportName>
<nearestState>VT</nearestState>
<nearestCity>South Burlington</nearestCity>
<siteElevationProposed>307</siteElevationProposed>
<aglStructureHeight>150</aglStructureHeight>
<aglStructureHeightDet>150</aglStructureHeightDet>
<statusCode>DET-DNE-TMP</statusCode>
<recommendedMarkLightType>Red lights and flags</recommendedMarkLightType>
<year>2020</year>
<sponsor>Demag Riggers & Crane</sponsor>
<sponsorAddress1>100 Demag</sponsorAddress1>
<sponsorCity>Williston</sponsorCity>
<sponsorState>VT</sponsorState>
<sponsorPostalCode>05495</sponsorPostalCode>
<faaGeographyId>ANE</faaGeographyId>
<distanceFromNearestAirport>8351.71426295148
</distanceFromNearestAirport>
<directionFromNearestAirport>250.59236940364588</directionFromNearestAirport>
<structureDescription>Derrick/Gantry Crane CRANE$GANTRY</structureDescription>
<structureType>CRANE$GANTRY</structureType>
<locatorId>BTV</locatorId>
<latitude>44.46433888888889</latitude>
<longitude>-73.18344722222223</longitude>
<sponsorEmail>crane@demagridders.com</sponsorEmail>
<sponsorCountry>US</sponsorCountry>
<sponsorPhone>802-863-3642</sponsorPhone>
<receivedDate>2020-10-19T09:50:41-04:00</receivedDate>
<amslOverallHeightProposed>457</amslOverallHeightProposed>
<amslOverallHeightDet>457</amslOverallHeightDet>
<latLongAccuracy>4D</latLongAccuracy>
</OECASE>
```



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7.4.3 Sample query - NRA

/oeaaa/services/caseList/date/NRA?start=2020-05-13&end=2021-06-13

7.4.4 Sample result - NRA

```
<caseList>
  <NRACase>
    <id>436854867</id>
    <asn>2020-ASO-2197-NRA</asn>
    <asnSequence>2197</asnSequence>
    <createdDate>2020-04-17T00:00:00-04:00</createdDate>
    <expirationDate/>
    <dateCompleted>2020-05-13</dateCompleted>
    <caseType>NRA</caseType>
    <nearestAirportName>HARTSFIELD - JACKSON ATLANTA INTL</nearestAirportName>
    <nearestCity>ATLANTA</nearestCity>
    <nearestState>GA</nearestState>
    <siteElevationProposed>1050</siteElevationProposed>
    <aglStructureHeight>12</aglStructureHeight>
    <faaGeographyId>ASO</faaGeographyId>
    <statusCode>DET-to-Prop</statusCode>
    <year>2020</year>
    <sponsor>City of Atlanta - DOA</sponsor>
    <sponsorAddress1>1255 South Loop Road</sponsorAddress1>
    <sponsorCity>Atlanta</sponsorCity>
    <sponsorState>GA</sponsorState>
    <sponsorCountry>US</sponsorCountry>
    <sponsorEmail>norma.click@atl.com</sponsorEmail>
    <sponsorPostalCode>30337</sponsorPostalCode>
    <sponsorPhone>404-382-1304</sponsorPhone>
    <structureDescription>Fuel Tank</structureDescription>
    <structureType>FUEL_SYSTEM</structureType>
    <locatorId>ATL</locatorId>
    <latitude>33.64048055555555</latitude>
    <longitude>-84.44309722222222</longitude>
    <receivedDate>2020-04-17T00:00:00-04:00</receivedDate>
    <amslOverallHeightProposed>1062</amslOverallHeightProposed>
    <latLongAccuracy>1A</latLongAccuracy>
  </NRACase>
  <NRACase>
    <id>436854868</id>
    <asn>2020-ASO-2198-NRA</asn>
    <asnSequence>2198</asnSequence>
    <createdDate>2020-04-17T00:00:00-04:00</createdDate>
    <expirationDate/>
    <dateCompleted>2020-05-13</dateCompleted>
    <caseType>NRA</caseType>
    <nearestAirportName>HARTSFIELD - JACKSON ATLANTA INTL</nearestAirportName>
    <nearestCity>ATLANTA</nearestCity>
```



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```
<nearestState>GA</nearestState>  
<siteElevationProposed>1050</siteElevationProposed>  
<aglStructureHeight>12</aglStructureHeight>  
<faaGeographyId>ASO</faaGeographyId>  
<statusCode>DET-to-Prop</statusCode>  
<year>2020</year>  
<sponsor>City of Atlanta - DOA</sponsor>  
<sponsorAddress1>1255 South Loop Road</sponsorAddress1>  
<sponsorCity>Atlanta</sponsorCity>  
<sponsorState>GA</sponsorState>  
<sponsorCountry>US</sponsorCountry>  
<sponsorEmail>norma.click@atl.com</sponsorEmail>  
<sponsorPostalCode>30337</sponsorPostalCode>  
<sponsorPhone>404-382-1304</sponsorPhone>  
<structureDescription>Construction Vehicle</structureDescription>  
<structureType>CONSTRUCTION$VEHICLE</structureType>  
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<latitude>33.64048055555555</latitude>  
<longitude>-84.44263333333333</longitude>  
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<amslOverallHeightProposed>1062</amslOverallHeightProposed>  
<latLongAccuracy>1A</latLongAccuracy>  
</NRACase>
```




8 Glossary

The glossary list possible columns for any public OE/AAA RESTful web service. Sample data for each Public Access service is located in **Section 5** of this document

Note: The list is not inclusive of any specific service, as specific services may have specific columns in their results.

Column / Field Names	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.
asn	Aeronautical Study Number (Case) Year-Region-Number-Case type (e.g. 2013-AAL-23-OE or NRA)
asnSequence	ASN sequence number (i.e. "23")
dateCompleted	Aeronautical Study completion date
dateEntered	Date an On or Off Airport ASN was accepted.
distanceFromNearestAirport	Off Airport structure's distance in feet from the nearest Airport.
directionFromNearestAirport	Off Airport structure's direction in degrees from the nearest Airport.
expirationDate	Date a case determination expires
faaGeographyId	FAA Regional Boundaries IDs across the country: AAL, ACE, AEA, AGL, ANE, ANM, ASO, ASW, AWP, WTE and WTW
id	Number assigned as a case identifier
latitude	Precise geographic coordinate entered in Decimal Degrees (e.g. 41.69883333333333).
longitude	Precise geographic coordinate entered in Decimal Degrees (e.g. 71.43244444444444).
nearestAirportName	Name of the nearest airport to where the Off Airport structure will be located.
nearestCity	Name of the nearest city where the Off Airport structure will be located.



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Column / Field Names	Description
nearestState	Name of the actual state where the Off Airport structure will be located.
siteElevationProposed	Proposed site elevation above mean sea level. Expressed in whole feet rounded to the nearest foot.
sponsor	Person or business ultimately responsible for the construction or alteration.
sponsorAddress1	Sponsor's mailing address
sponsorCity	Sponsor's mailing address city
sponsorCountry	Sponsor's mailing address country
sponsorEmail	Sponsor's e-mail address
sponsorPostalCode	Sponsor's mailing address zip code
sponsorState	Sponsor's mailing address state or Non-US state.
statusCode	Case status codes: CIR Circularized (for comments) DET-DNE Determination Does Not Exceed DET-DNE-EXT Determination Does Not Exceed - Extension DET-DNE-EXT-Denied Determination Does Not Exceed - Extension Denied DET-DNE-Fasttrack Determination Does Not Exceed - Fasttrack DET-DNE-Fasttrack18 Determination Does Not Exceed - Fasttrack18 DET-DNE-PSF-Sent Determination Does Not Exceed - Project Status Follow-up (PSF) sent DET-DNE-PSR-Removed Determination Does Not Exceed - PSR Removed DET-DNE-PSR-Sent Determination Does Not Exceed -PSR sent DET-DNE-TMP Determination Does Not Exceed - Temporary Structure DET-DNH Determination of No Hazard DET-DNH-EXT



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Column / Field Names	Description
statusCode (<i>continued</i>)	Determination of No Hazard - Extension
	DET-DNH-EXT-Denied Determination of No Hazard - Extension Denied DET-DNH- PSF Determination of No Hazard - Project Status Follow-up (PSF) Sent DET-DNH-PSR-Removed Determination of No Hazard - PSR Removed DET-DNH-PSR-Sent Determination of No Hazard – PSR sent DET-DOH Determination of Hazard DET-DPH Determination of Presumed Hazard DET-EBO Determination of Exceeds But Okay DET-EBO-EXT Determination of Exceeds But Okay - Extension DET-EBO-EXT-Denied Determination of Exceeds But Okay - Extension Denied DET-EBO-PSF-Sent Determination of Exceeds But Okay – PSF Follow-up sent DET-EBO-PSR-Sent Determination of Exceeds But Okay – PSR sent DET-EBO-TMP Determination of Exceeds But Okay, Temporary Structure DET-FSB Determination of Feasibility DET-M&L Determination of Marking and Lighting DET-M&L-Denied Determination of Marking and Lighting - Denied DET-NNR No Notice Required (Legacy Status before 2000) DET-NPH Notice of Presumed Hazard DET-OTH OE Determination – Other (Legacy Determination before 2001)



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Column / Field Names	Description
statusCode (continued)	NPF-Notice of Preliminary Finding
structureDescription	Structure Location
structureType	Type of Off Airport Structure; (e.g. Crane, Wind Turbine, Building, etc...).
year	Year of case

Appendix: Structure Types in WebServices

Structure Types Table

Structure Type Code	Structure Type Description
AG_EQUI	Ag Equipment
AMUSEMENT_PARK_STRUCTURE	Amusement Park Structure
TOWER\$ANTENNA	Antenna Tower
CRANE\$BARGE	Barge Crane
SIGN\$BILLBOARD	Billboard
BRIDGE	Bridge
BRIDGE\$SUPER	Bridge Superstructure
BRIDGE\$TOWER	Bridge Tower
BUILDING	Building
BUILDING\$WINDMILL	Building with Wind Turbine
CATENARY	Catenary Wire
TRANSMISSION_LINE	Catenary Wire
TOWER\$COW	Cell-On-Wheels
BUILDING\$CHURCH	Church
BUILDING\$COMMERCIAL	Commercial Use Building



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CONSTRUCTION\$VEHICLE	Construction Vehicle
LANDFILL\$C_D	Construction and Demolition (C&D) Landfill
CRANE	Crane
DAM	Dam
CRANE\$GANTRY	Derrick / Gantry Crane
BRIDGE\$DRAW	Draw Bridge
RIG\$DRILLING	Drilling Rig
LANDFILL\$EXIST	Existing Municipal Solid Waste Landfill
FENCE	Fence
POLE\$FENCE	Fence Pole / Fence Post
POLE\$FLAG	Flagpole
FUEL_SYSTEM	Fuel Tank
GRAIN_ELEVATOR\$SILO	Grain Bin / Silo
GRAIN_ELEVATOR	Grain Elevator
POLE\$HIGH_MAST	High Mast Illumination
BUILDING\$SKYSCRAPER	High Rise / Sky Scraper
TERRAIN\$HILL	Hill
TRAVERSE_WAY\$INTERSTATE	Interstate Highway
LANDFILL	Landfill
POLE\$LIGHTING	Light Pole
TRAVERSE_WAY\$LIGHT_RAILWAY	Light Railway
TOWER\$MET	Met Tower
WINDMILL_FARMS\$MET	Met Tower (w/WT Farm)
CONSTRUCTION\$OTHER	Miscellaneous
CRANE\$MOBILE	Mobile Crane



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POLE\$MONO	Monopole
TRAVERSE_WAY\$MONORAIL	Monorail
MONUMENT	Monument
BUILDING\$MULTI_PURPOSE	Multi-purpose Building
BUILDING\$MULTI_UNIT	Multi-unit Housing
LANDFILL\$NEW	New Municipal Solid Waste Landfill
TOWER\$NON	Non-Transmitting Tower
RIG\$OIL	Oil Derrick / Rig
OTHER	Other
TRAVERSE_WAY\$OTHER	Other Traverseway
STADIUM\$OUTDOOR_THEATER	Outdoor Theater
TRAVERSE_WAY\$PARKING	Parking Lot
POLE\$PARKING	Parking Lot Lighting
BUILDING\$PARKING	Parking Structure
CONSTRUCTION\$PILE_DRIVER	Pile Driver
POLE	Pole
POWER_PLANT	Power Plant
TRAVERSE_WAY\$PRIVATE_ROAD	Private Road
FENCE\$PROPERTY	Property Fencing
TRAVERSE_WAY\$PUBLIC_ROAD	Public Road
TRAVERSE_WAY\$RAILROAD	Railroad
RECREATIONAL_USE	Recreational Use Structure
REFINERY	Refinery
BUILDING\$HOME	Residential Home
RIG	Rig



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SIGN\$ROAD	Road Sign
BUILDING\$SCHOOL	School
FENCE\$SECURITY	Security Equip/Fencing
SIGN	Sign
ELECTRICAL_SYSTEM\$SOLAR_PANEL	Solar Panel
TOWER\$SOLAR	Solar Tower
STACK	Stack
STADIUM	Stadium
CRANE\$FIXED	Stationary / Fixed Crane
SIGN\$STREET	Street Sign
TRANSMISSION_LINE\$T_L_TOWER	TL Tower
TANK	Tank
TERRAIN	Terrain
TOWER	Tower
CRANE\$TOWER	Tower Crane
TREE	Tree
POLE\$UTILITY	Utility Pole
VEGETATION	Vegetation
VERTICAL_POINT	Vertical Point
CRANE\$WINDMILL	WT-Barge Crane
WASTEWATER_SYSTEM	Waste Management Facility
WATER_SYSTEM	Water Tank
WATER_TOWER	Water Tower
TRAVERSE_WAY\$WATERWAY	Waterway
WINDMILL	Wind Turbine



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WINDMILL_FARMS	Wind Turbine Farm
RIG\$WORKOVER	Workover Rig