

OE/AAA AIXM Services

May 12-14, 2009

AIXM/WXXM
Conference | 2009

Kevin Haggerty
FAA AIM
Obstruction Evaluation Services



Service Characteristics

- Open Invocation Protocol
 - WSDL (Web Service Description Language)
- Open Data Standard
 - AIXM 5.0
- Security
 - Access via HTTPS (secured HTTP)
 - Identity-Based Authentication
 - Role-Based Authorization
 - Publicly available (except OETS)

Services Provided

- NOW
 - OE Case Data Service
 - NRA Case Data Service
 - OE OETS Data Service
- June
 - NRA OETS Services
- Other services later



Support

- Management Support
 - Kevin Haggerty, FAA OES
- Development Support
 - Madhu Velamati (OE/AAA Team Lead)
mvelamati@cghtech.com
- User Assistance
 - ATA Lab Helpdesk: 202-580-7500
- On-Line Help
 - <https://oeaaa.faa.gov/oewebapi>



On-Line Assistance

https://oeaaa.faa.gov/owebapi/ - Windows Internet Explorer

https://oeaaa.faa.gov/owebapi/

Federal Aviation Administration
OE/AAA - Web API System
OE WebAPI - Rel 0.5

[wsdl](#)

Operations available in this release:

Operation	Input	Output
getOECASERequest	ASN (e.g. 2008-ASW-5900-OE) accessCode - N/A loginID(required) password(required)	AIXMPayload errorCode errorMessage
getOECASEListRequest	startDate (e.g. 01-SEP-08) endDate (e.g. 02-SEP-08) queryFilter - N/A accessKey - N/A loginID(required) password(required)	AIXMPayload errorCode errorMessage debugInformation
updateOECASERequest	ASN (e.g. 2008-ASW-5900-OE) remarks email (must be valid system registered user email) loginID(required) password(required)	errorCode errorMessage
getCaseRequest	ASN (e.g. 2008-ASW-5900-NR4 or 2008-ASW-5900-OE)	AIXMPayload errorCode errorMessage
getAsnListRequest	REGION ID (e.g. AEA or ASW) YEAR (e.g. 2008) CASE TYPE (e.g. OE or NR4)	AIXMPayload errorCode errorMessage



WSDL

```
https://oeaaa.faa.gov/owebapi/services/ocase?wsdl - Windows Internet Explorer
https://oeaaa.faa.gov/owebapi/services/ocase?wsdl
File Edit View Favorites Tools Help
Web Search Bookmarks Settings Messenger Mail MySpace News
Favorites Suggested Sites Free Hotmail Web Slice Gallery
CGH Technologies, Inc. - Home https://oeaaa.faa.gov/o... X
<?xml version="1.0" ?>
- <wsdl:definitions targetNamespace="http://webapi.oe.aim.faa.gov" xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
  xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/" xmlns:ns="http://new.webservice.namespace"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/" xmlns:tns="http://webapi.oe.aim.faa.gov"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:xs="http://www.w3.org/2001/XMLSchema">
- <wsdl:types>
- <xs:schema elementFormDefault="qualified" targetNamespace="http://webapi.oe.aim.faa.gov"
  xmlns:http="http://schemas.xmlsoap.org/wsdl/http/" xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
  xmlns:ns="http://new.webservice.namespace" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:tns="http://webapi.oe.aim.faa.gov" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:xs="http://www.w3.org/2001/XMLSchema">
- <xs:complexType name="getOECASEResponseType">
- <xs:sequence>
  <xs:element name="AIXMPayload" type="xs:string" />
  <xs:element name="errorCode" type="xs:string" />
  <xs:element name="errorMessage" type="xs:string" />
  </xs:sequence>
</xs:complexType>
- <xs:complexType name="getOECASERequestType">
- <xs:sequence>
  <xs:element name="ASN" type="xs:string" />
  <xs:element name="accessCode" type="xs:string" />
  <xs:element name="loginID" type="xs:string" />
  <xs:element name="password" type="xs:string" />
  </xs:sequence>
</xs:complexType>
- <xs:complexType name="getCaseResponseType">
- <xs:sequence>
  <xs:element name="AIXMPayload" type="xs:string" />
  <xs:element name="errorCode" type="xs:string" />
  <xs:element name="errorMessage" type="xs:string" />
  </xs:sequence>
</xs:complexType>
- <xs:complexType name="getCaseRequestType">
- <xs:sequence>
  <xs:element name="ASN" type="xs:string" />
  </xs:sequence>
</xs:complexType>
```



A Use Scenario

1. Login to OE/AAA
2. Search for the case
3. Verify case details
4. Invoke web service using case number to download the AIXM case data.

The following slides show the page flow of this scenario



OE/AAA Login

The screenshot shows a Windows Internet Explorer browser window displaying the OE/AAA Login Page. The address bar shows the URL: <https://oeaaa.faa.gov/oeaaa/external/userMgmt/permissionAction.jsp?action=showLoginForm>. The page header features the Federal Aviation Administration logo and the text "Federal Aviation Administration Bringing Safety to America's Skies". The main content area is titled "OE/AAA Login Page" and includes a "faa.gov Tools" section with a "Print this page" link. Below the title, there are links for "New User Registration", "Forgot my Username", and "Forgot my Password". The login form consists of two input fields: "Username:" and "Password:", followed by a blue "Submit" button. Below the form is a box for "OE/AAA Support Desk" with contact information: "Phone: 202-580-7500" and "Email: oeaaa_helpdesk@cghtech.com". On the left side, there is a navigation menu with categories: "Obstruction Evaluation", "OE/AAA Account", and "Information Resources". Under "Obstruction Evaluation", there are links for Home, FAA OE/AAA Offices, View Determined Cases, View Proposed Cases, View Supplemental Notices (Form 7460-2), View Circularized Cases, Search Archives, Download Archives, Circle Search for Cases, Circle Search for Airports, Discretionary Review FAQs, Notice Criteria Tool, DoD Preliminary Screening Tool, and Distance Calculation Tool. Under "OE/AAA Account", there are links for Login and New User Registration. Under "Information Resources", there is a link for FAA Acronyms.



OE/AAA Home

Federal Aviation Administration
Bringing Safety to America's Skies

OE/AAA Portal Page

Obstruction Evaluation

- Home
- FAA OE/AAA Offices
- View Determined Cases
- View Proposed Cases
- View Supplemental Notices (Form 7460-2)
- View Circularized Cases
- Search Archives
- Download Archives
- Circle Search for Cases
- Circle Search for Airports
- Discretionary Review FAQs
- Notice Criteria Tool
- DoD Preliminary Screening Tool
- Distance Calculation Tool

OE/AAA Account

- Portal Page
- My Cases (Off Airport)
- My Cases (On Airport)
- My Sponsors
- Add New Case (Off)

My Account

Name: C. Allen Sher
User Name: casher
Login Time: 05/08/2009 02:10:38 PM
IP Address: 38.105.99.161

Actions:
[Update Account Information](#)
[Change Password](#)
[Logout](#)

Off Airport Construction (includes on Military Airport)

[My Cases \(Off Airport\)](#) | [Add New Case \(Off Airport\)](#)
[My Sponsors](#) | [Add New Sponsor](#)
[Air Traffic Areas of Responsibility](#)

My Cases by Status:

Draft	0
Accepted	0
Add Letter	0
Work in Progress	0
Determined	0
Circularized	0
Terminated	0
All	0

On Airport Construction (excludes on Military Airport)

[My Cases \(On Airport\)](#) | [Add New Case \(On Airport\)](#)
[My Sponsors](#) | [Add New Sponsor](#)
[Airports Regional Contacts](#)

My Cases by Status:

Draft	0
Waiting	0
Accepted	0
Add Letter	0
Work In Progress	0
Determined	0
Terminated	0
All	0

faa.gov Tools: [Print this page](#)

NOTE: Please use this section for filing on-airport constructions electronically.



Search OE/AAA Cases

View Proposed Cases - Windows Internet Explorer

https://oeaaa.faa.gov/oeaaa/external/searchAction.jsp?action=showSearchProposedCasesForm

File Edit View Favorites Tools Help

CGH Technologies, Inc. - Home View Proposed Cases

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Obstruction Evaluation **View Proposed Cases** faa.gov Tools: Print this page

- Home
- FAA OE/AAA Offices
- View Determined Cases
- View Proposed Cases
- View Supplemental Notices (Form 7460-2)
- View Circularized Cases
- Search Archives
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Search For: Off Airport Cases On Airport Cases

State: Indiana

Search

Use this form to view recently proposed cases by state.
Proposed cases are with forms that are currently being processed but have not been determined yet.



OE/AAA Cases


Proposed Cases for IN - Windows Internet Explorer

https://oeaaa.faa.gov/oeaaa/external/searchAction.jsp?action=searchProposedCases&searchFor=off&state=IN

File Edit View Favorites Tools Help

Web Search Bookmarks Settings Messenger Mail MySpace News

CGH Technologies, Inc. - Home https://oeaaa.faa.gov/oe... Proposed Cases for IN

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Obstruction Evaluation **Proposed Cases for IN** [faa.gov Tools](#) [Print this page](#)

Home Page 1 of 3
 FAA OE/AAA Offices [Next page](#) →
 View Determined Cases
 View Proposed Cases
 View Supplemental Notices (Form 7460-2)
 View Circularized Cases
 Search Archives
 Download Archives
 Circle Search for Cases
 Circle Search for Airports
 Discretionary Review FAQs
 Notice Criteria Tool
 DoD Preliminary Screening Tool
 Distance Calculation Tool

OE/AAA Account
 Portal Page
 My Cases (Off Airport)
 My Cases (On Airport)
 My Sponsors
 Add New Case (Off Airport)
 Add New Case (On Airport)
 Update User Account
 Change Password

Records 1 to 20 of 50

Case Number	City	State	Latitude	Longitude	Site Elevation	Structure Height	Total Height
2009-AGL-899-OE	Vincennes	IN	38° 41' 10.80" N	87° 31' 13.30" W	425	130	555
2009-AGL-1146-OE	Greenwood	IN	39° 38' 07.00" N	86° 05' 53.00" W	819	35	854
2009-AGL-1159-OE	Ligonier	IN	41° 26' 46.41" N	85° 31' 23.48" W	1035	255	1290
2009-AGL-1430-OE	Schererville	IN	41° 28' 40.33" N	87° 25' 07.64" W	674	119	793
2009-AGL-1469-OE	Farmersburg	IN	39° 12' 53.25" N	87° 20' 47.79" W	559	306	865
2009-AGL-1489-OE	Mt Vernon	IN	37° 54' 52.20" N	87° 56' 43.63" W	397	295	692
2009-AGL-1494-OE	Wanatah	IN	41° 27' 04.56" N	86° 52' 38.26" W	743	15	758
2009-AGL-1496-OE	Batesville	IN	39° 13' 24.98" N	85° 15' 22.16" W	935	403	1338
2009-AGL-1497-OE	West Lafayette	IN	40° 25' 58.00" N	86° 54' 58.00" W	635	50	685
2009-AGL-1505-OE	Indianapolis	IN	39° 55' 15.24" N	86° 01' 55.38" W	988	260	1248
2009-AGL-1518-OE	Shoals	IN	38° 37' 02.95" N	86° 42' 35.17" W	517	300	817
2009-AGL-1519-OE	west Lafayette	IN	40° 25' 37.00" N	86° 54' 53.00" W	623	90	713
2009-AGL-1526-OE	Bainbridge	IN	39° 45' 47.29" N	86° 48' 08.57" W	908	265	1173
2009-AGL-1547-OE	Columbus	IN	39° 10' 24.80" N	85° 52' 18.30" W	651	220	871
2009-AGL-1658-OE	Newburgh	IN	37° 58' 26.59" N	87° 26' 43.72" W	393	120	513
2009-AGL-1665-OE	Peru	IN	40° 37' 46.00" N	86° 02' 30.00" W	810	318	1128
2009-AGL-1666-OE	West Lafayette	IN	40° 26' 12.00" N	86° 55' 02.00" W	665	80	745
2009-AGL-1667-OE	West Lafayette	IN	40° 26' 13.00" N	86° 55' 05.00" W	665	80	745
2009-AGL-1668-OE	French Lick	IN	38° 33' 04.88" N	86° 36' 07.28" W	731	271	1002
2009-AGL-1670-OE	Kokomo	IN	40° 28' 22.30" N	86° 09' 49.30" W	788	344	1132

Rows per Page: [Next page](#) →

Page: [1](#) [2](#) [3](#) Page 1 of 3



OE/AAA Case Detail


Form 7460-1 for ASN: 2009-AGL-1505-OE - Windows Internet Explorer

https://oeaaa.faa.gov/oeaaa/external/searchAction.jsp?action=displayOECASE&oeCaseID=628258

File Edit View Favorites Tools Help

Web Search Bookmarks Settings Messenger Mail MySpace News

CGH Technologies, Inc. - Home https://oeaaa.faa.gov/oe... Form 7460-1 for ASN: 20...

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Obstruction Evaluation **Form 7460-1 for ASN: 2009-AGL-1505-OE** [faa.gov Tools: Print this page](#)

Home

FAA OE/AAA Offices

View Determined Cases

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Download Archives

Circle Search for Cases

Circle Search for Airports

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DoD Preliminary Screening Tool

Distance Calculation Tool

OE/AAA Account

Portal Page

My Cases (Off Airport)

My Cases (On Airport)

My Sponsors

Add New Case (Off)

For information only.
This proposal has not yet been studied. Study outcomes will be posted at a later date.
Public comments are not requested, and will not be considered at this time.

Overview	
Study (ASN): 2009-AGL-1505-OE	Received Date: 04/07/2009
Prior Study:	Entered Date: 04/07/2009
Status: Work In Progress	Map: View Map

Construction Info	Structure Summary
Notice Of: CONSTR	Structure Type: Crane
Duration: TEMP (Months: 1 Days: 0)	Other Description: Bldg. D Crane
Work Schedule: 09/01/2009 to 09/30/2009	NACG Number:
	FCC Number:

Structure Details	Height and Elevation
Latitude (NAD 83): 39° 55' 15.24" N	Proposed
Longitude (NAD 83): 86° 01' 55.38" W	Site Elevation: 988
Datum: NAD 83	Structure Height: 260
City: Indianapolis	Total Height (AMSL): 1248
State: IN	

Frequencies				
Low Freq	High Freq	Unit	ERP	Unit



Conclusion

- OE/AAA is AIXM-compliant
- Baseline services available now
- More services later
- Fully-supported

