



# Aeronautical Information NFDC Sub-Team B

Revision  
2.0

**Title: Standard CTAF and UNICOM Frequencies**

**AJV-5332**

**DATE: 11/1/17**

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<b>Approving Position</b>	Richard S. Jerdan	<b>Signature:</b>	
<b>Approving Position</b>		<b>Signature:</b>	

REVISION HISTORY		
Rev	Description of Change	Effective Date
1.0	Original	8/17/2010
1.1	New Diagrams and formatting	6/6/2011
1.2	Updated authorized sources and information	4/4/2012
2.0	Major Revision: Updated organization info, changed format, updated content with more detailed instructions, updated authorized sources, added examples of FCC documentation.	11/1/2017



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**NASR fields:**

The screenshot shows the 'Airport DCA' application window. On the left is a 'Navigator' pane with a tree view. The 'Services and Facilities' item is selected and highlighted with a red box. Below it, 'CTAF (E100)' and 'UNICOM (A82)' are also highlighted with red boxes. The main window is divided into two sections: 'Associated FAA Facilities' and 'Services and Facilities'. In the 'Associated FAA Facilities' section, 'NOTAM Acctability' is set to 'DCA' and 'NOTAM for Airport' is checked. In the 'Services and Facilities' section, 'CTAF' is set to an empty dropdown and 'UNICOM' is set to '122.950', both highlighted with red boxes. Other fields include 'Fuels' (A), 'Other Services' (CARGO), 'Airframe Repairs' (Minor), 'Pwr Plant Repairs' (Minor), 'Bottle Oxygen' (None), and 'Bulk Oxygen' (None).

**Data Sources:**

Data Type:	Data Field in NASR:	Authorized data source:	Data Receipt Mode:
Common Traffic Advisory Frequency (CTAF)	CTAF>	Information to be derived by NFDC specialist using the SOP instructions below.	
Universal Communications (UNICOM) Frequency	UNICOM>	Airport Manager Airport Owner FAA Certified Inspector State DOA/ State DOT Inspectors Military  <i>(UNICOM frequencies must be supported by an FCC license)</i>	ADC Portal Email

	<h1 style="margin: 0;">Aeronautical Information</h1> <h2 style="margin: 0;">NFDC Sub-Team B</h2>	Revision <b>2.0</b>
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**Overview:**

**UNICOM Frequencies**

1. All airports do not have an FCC-assigned UNICOM frequency.
2. When a UNICOM frequency has not been assigned by the FCC, do not enter one.
3. To airports **with** an Air Traffic Control tower or FSS (Alaska only) on the airport, enter UNICOM frequency 122.950 when assigned by FCC (exceptions in congested areas where closely spaced airports would normally be using the same frequency, the FCC may assign one of the below-listed frequencies normally used at non-towered airports, but this alternate frequency must be assigned by the FCC)
4. To airports **without** an Air Traffic Control tower or FSS on the airport, one of the following FCC-assigned frequencies (or none) may be assigned:
  - 122.700
  - 122.725
  - 122.800
  - 122.975
  - 123.000
  - 123.050
  - 123.075
5. If an airport submits a request to publish a UNICOM frequency, the NFDC specialist **must** request a copy of FCC license to verify the official assignment of the frequency, the class and usage. The FCC license will be stored as part of the source documentation.
6. UNICOM frequency is NOT REQUIRED to be assigned to every public-use airport. If UNICOM is deleted from a public-use airport without an Air Traffic Control tower or FSS on the airport, change the CTAF to the MULTICOM frequency of 122.9. MULTICOM use is described in the Aeronautical Information Manual (AIM). Do not add a referenced remark to the 122.9 in the CTAF field stating a "UNICOM" usage. Do not add a referenced remark to the UNICOM field stating a "MULTICOM" usage.

**CTAF (Common Traffic Advisory Frequency)**

1. Private-use non-military airports/balloonports/seaplane base/gliderport/heliports/ultra-lights (including medical heliports) shall not be assigned a CTAF.  
(Exclusion to this rule: In designated "CTAF Areas" (primarily in Alaska), Private-use airports may be assigned the CTAF of the designated area. This CTAF may not agree with the FCC-assigned UNICOM frequency.)
2. Public-use or military airports with a full time ATC tower on airport shall not be assigned a CTAF.
3. Public-use airports without an ATC tower or FSS on airport:
  - a. When a UNICOM frequency has been assigned by FCC, enter CTAF to agree with UNICOM.  
(Exclusion to this rule: In designated "CTAF Areas" (primarily in Alaska), the CTAF entered shall be that of the designated area and may not agree with the FCC-assigned UNICOM frequency.)
  - b. When no UNICOM frequency has been assigned by FCC, enter the MULTICOM frequency 122.9 as the CTAF. Do not add a referenced remark to the 122.9 in the CTAF field stating "MULTICOM" usage.



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- Public-use or military airports with a part time ATC tower on airport, enter the LCL/P VHF tower frequency as the CTAF. (Note that in these cases UNICOM may not exist or may not be the same as the CTAF.)
- Public-use airports with an FSS on airport (primarily Alaska) but without an ATC tower on airport, enter the FSS PRIMARY/ADVISORY frequency (normally 123.6) as the CTAF frequency. (Note that in these cases UNICOM may not exist or may not be the same as the CTAF.)

## Verification of FCC License/Documentation

Below is an example of an FCC Radio Station Authorization for a UNICOM frequency.

Note the "Station Class" of "FAA". (see list of FCC Station Class Codes below)

Also note the frequency (ie. 122.975) is on the above list of approved UNICOM frequencies and check the expiration date.



### Federal Communications Commission Wireless Telecommunications Bureau

#### RADIO STATION AUTHORIZATION

LICENSEE: VILLAGE OF BOLINGBROOK, ILLINOIS DEPARTMENT OF PUBLIC WORKS

ATTN: MR. MICHAEL J. DREY  
VILLAGE OF BOLINGBROOK, ILLINOIS DEPARTMENT  
375 WEST BRIARCLIFF ROAD  
BOLINGBROOK, IL 60440-0951

Call Sign WQIQ621	File Number 0003352837	
Radio Service AF - Aeronautical and Fixed		
Station Class FAA		
Coast ID	Sel Call	Aviation ID

FCC Registration Number (FRN): 0016789331

Grant Date 04-15-2008	Effective Date 04-15-2008	Expiration Date 04-15-2018	Print Date 04-16-2008
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#### STATION TECHNICAL SPECIFICATIONS

##### Fixed Location Address or Mobile Area of Operation

Loc. 1 Address: Bolingbrook's Clow International Airport 130 South Clow International Parkway  
City: Bolingbrook County: WILL State: IL  
Lat (NAD83): 41-41-43.8 N Long (NAD83): 088-07-40.4 W ASR No.: 1262118 Ground Elev: 200.4  
No. of units:

##### Antennas

Loc. No.	Ant. No.	Frequencies (MHz)	Emission Designator	Output Power (watts)	Hours of Operation	Ant. Ht./Tp meters	Construct Deadline Date
1	1	000122.97500000	6K00A3E	5.000	0000-2400	2.0	04-15-2009

##### Control Points

Control Pt. No. 1  
Address: 130 South Clow International Parkway  
City: Bolingbrook County: WILL State: IL Telephone Number: (630)378-0479

##### Associated Call Signs

JOT

##### Waivers/Conditions:

NONE



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Below is an example of an FCC Radio Station Authorization that does **NOT** support publication of a UNICOM frequency.

Note the "Station Class" of "FAS" (see list of FCC Station Class Codes below) and the "Waiver/Condition" field below which indicates this frequency is for "flight school operations only."  
This frequency would not be entered as a UNICOM in NASR.



## Federal Communications Commission Wireless Telecommunications Bureau

### RADIO STATION AUTHORIZATION

LICENSEE: VILLAGE OF BOLINGBROOK, ILLINOIS

ATTN: MR. MICHAEL J. DREY  
VILLAGE OF BOLINGBROOK, ILLINOIS  
375 WEST BRIARCLIFF ROAD  
BOLINGBROOK, IL 60440-0951

Call Sign WQIN726	File Number 0003352984	
Radio Service AF - Aeronautical and Fixed		
Station Class FAS		
Coast ID	Sel Call	Aviation ID

FCC Registration Number (FRN): 0016789331

Grant Date 03-28-2008	Effective Date 03-28-2008	Expiration Date 03-28-2018	Print Date 03-29-2008
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#### STATION TECHNICAL SPECIFICATIONS

##### Fixed Location Address or Mobile Area of Operation

Loc. 1 Address: Bolingbrook's Clow International Airport  
City: Bolingbrook County: WILL State: IL  
Lat (NAD83): 41-41-43.8 N Long (NAD83): 088-07-40.4 W ASR No.: 1262118 Ground Elev: 200.4  
No. of units:

##### Antennas

Loc. No.	Ant. No.	Frequencies (MHz)	Emission Designator	Output Power (watts)	Hours of Operation	Ant. Ht./Tp meters	Construct Deadline Date
1	1	000123.5000000	6K00A3E	5.000	0000-2400	2.0	

##### Control Points

Control Pt. No. 1  
Address: 130 South Clow International Parkway  
City: Bolingbrook County: WILL State: IL Telephone Number: (630)378-0479

##### Associated Call Signs

JOT

Waivers/Conditions:  
License authorized for flight school operations only.





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## List of FCC Station Class Codes

Only codes FAA and FAA1 are acceptable for UNICOM frequency authorization.

## Full List of FCC Station Class Codes

FCC Station Class Codes

Code	Description
AOX	Operational Fixed
APC	ALASKA PUBLIC
APX	ALASKA PRIVATE
APX2	ALASKA PRIVATE (TEMPORARY)
AX	AERONAUTICAL FIXED
AX1	AERONAUTICAL FIXED (MOBILE)
AX2	AERONAUTICAL FIXED (TEMPORARY)
DGP	DIFFERENTIAL GPS
ELT	ELT TEST
ELT1	ELT TEST (MOBILE)
FA	AERONAUTICAL ENROUTE
FA1	AERONAUTICAL ENROUTE (MOBILE)
FA2	AERONAUTICAL ENROUTE (TEMPORARY)
FAA	AERONAUTICAL ADVISORY (UNICOM)
FAA1	AERONAUTICAL ADVISORY (UNICOM) (MOBILE)
FAA2	AERONAUTICAL ADVISORY (UNICOM) (TEMPORARY)
FAB	AUTOMATIC WEATHER OBSERVATION
FAC	AIRPORT CONTROL TOWER
FAS	AVIATION SUPPORT INSTRUCTIONAL
FAS1	AVIATION SUPPORT INSTRUCTIONAL (MOBILE)
FAT	FLIGHT TEST
FAT1	FLIGHT TEST (MOBILE)
FAT3	FLIGHT TEST (ITINERANT)
FB	Base
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## FCC Universal Licensing System

The FCC has a universal licensing system that can be used as a secondary source. A search can be performed at <http://wireless2.fcc.gov/UlsApp/UlsSearch/searchAdvanced.jsp>



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FCC Federal Communications Commission

**Universal Licensing System**

FCC > WTB > ULS > Online Systems > License Search

### License Search

The ULS License Search enables you to search for a wide range of licenses in the Universal Licensing System. The License Search here provides access to the mo combinations with the [Advanced Search](#) and search within services like [Amateur](#) using service-specific criteria. Please be aware that some combinations of search

**Advanced Search**

Want to search for licenses of any radio service code based on combinations of general license attributes?

[Advanced License Search](#)

Advanced License Search includes:

- ▶ Licensee State, ZIP, and Name
- ▶ Dates (Grant, Last Action, etc)
- ▶ License Status
- ▶ Radio Service Code
- ▶ And more.

**License Search**

By Call Sign =

exact matches only

[Advanced License Search](#)

**Service Specific Search**

Want to search for licenses within a service using criteria relevant to that specific service?

- ▶ [Aircraft](#)
- ▶ [Amateur](#)  
Vanity Call Signs, Operator Class, and more.
- ▶ [Commercial/Restricted Permits](#)  
Operator Class, COLEM, and more.
- ▶ [GMRS](#)
- ▶ [Ship](#)  
MMSI#, Ship Name, and more.

Example:

Click on "Advanced License Search". On the next page, CTRL+click on the following radio services: AA, AF, and AR. And enter the city/state or zip code (you can also do a GEOSEARCH with lat/longs). Leave everything else to the default settings and Click "Search"

**Universal Licensing System**

FCC > WTB > ULS > Online Systems > License Search

License Search  
**Advanced License Search**  
[License Search Home](#)

\*Please be aware that some combinations of search criteria may result in a longer wait.

Exact Matches Only

Exclude Leases

**Call Sign & Radio Services**

Call Sign:

Service Group:

Match all radio services within this group

Match only the following radio service(s):

AA - Aviation Auxiliary Group

AB - Aural Microwave Booster

AC - Aircraft

AD - AWS-4 (2000-2020 MHz and 2180-2200 MHz)

AF - Aeronautical and Fixed

**Licensee**

Name:

FRN:

City\*:

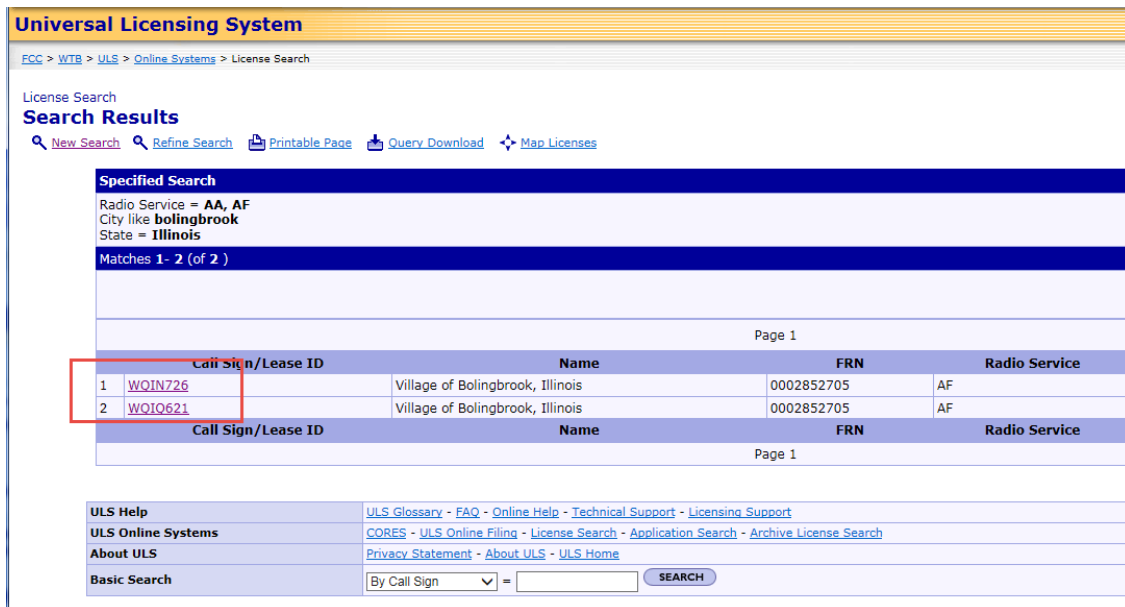
State\*:

ZIP Code\*:

\*: Matches licensee mailing address, not transmit locations.



From the search results, select the Lease ID to see the details.



**Universal Licensing System**

FCC > WTB > ULS > Online Systems > License Search

License Search  
**Search Results**

[New Search](#) [Refine Search](#) [Printable Page](#) [Query Download](#) [Map Licenses](#)

**Specified Search**  
Radio Service = **AA, AF**  
City like **bolingbrook**  
State = **Illinois**

Matches 1- 2 (of 2 )

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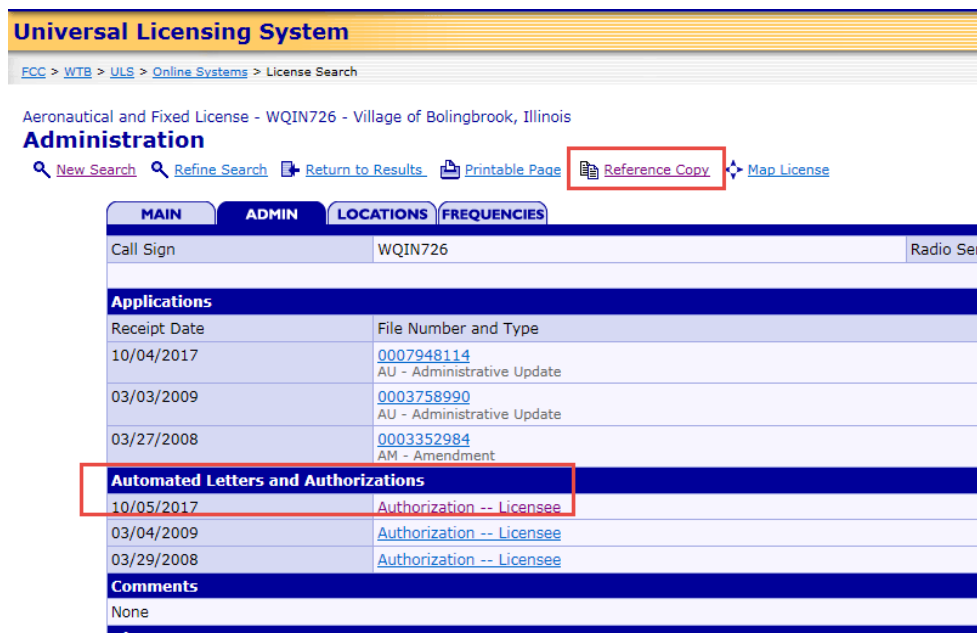
Call Sign/Lease ID	Name	FRN	Radio Service
1 <b>WQIN726</b>	Village of Bolingbrook, Illinois	0002852705	AF
2 <b>WQIQ621</b>	Village of Bolingbrook, Illinois	0002852705	AF

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**About ULS** [Privacy Statement](#) - [About ULS](#) - [ULS Home](#)

**Basic Search** By Call Sign  =

Click on “Reference Copy” or the “Admin” tab to see the “Authorization letters. Refer to the information above regarding the verification of the data (Station Class, Frequency, Conditions, Expiration Dates, etc.).



**Universal Licensing System**

FCC > WTB > ULS > Online Systems > License Search

Aeronautical and Fixed License - WQIN726 - Village of Bolingbrook, Illinois

**Administration**

[New Search](#) [Refine Search](#) [Return to Results](#) [Printable Page](#) [Reference Copy](#) [Map License](#)

**MAIN** **ADMIN** **LOCATIONS** **FREQUENCIES**

Call Sign: WQIN726 Radio Serv: [blank]

**Applications**

Receipt Date	File Number and Type
10/04/2017	<a href="#">0007948114</a> AU - Administrative Update
03/03/2009	<a href="#">0003758990</a> AU - Administrative Update
03/27/2008	<a href="#">0003352984</a> AM - Amendment

**Automated Letters and Authorizations**

10/05/2017	<a href="#">Authorization -- Licensee</a>
03/04/2009	<a href="#">Authorization -- Licensee</a>
03/29/2008	<a href="#">Authorization -- Licensee</a>

**Comments**  
None

**History**