



## AERONAUTICAL ASSESSMENT FORM FOR OBSTRUCTION MARKING AND LIGHTING

TC File No/Ref No
Applicant File No/Ref No

**General Information**

<b>1.</b>	Owner's Name	Contact Person
	Address	
	City	Province
		Postal Code
	Telephone No.	Fax No.
	Email Address	
<b>2.</b>	Applicant's Name	Contact Person
	Address	
	City	Province
		Postal Code
	Telephone No.	Fax No.
	Email Address	
<b>3.</b>	Description of Proposal (or as attached)	
<b>4.</b>	Geographic Coordinates <input type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> WGS84	
	N Latitude deg _____ min _____ sec _____ W Latitude deg _____ min _____ sec _____	
<b>5.</b>	Nearest Community	
		Province
<b>6.</b>	Nearest Aerodrome	
<b>7.</b>	Have you contacted the aerodrome?	
	<input type="radio"/> Yes <input type="radio"/> No	
<b>8.</b>	Notice of	
	<input type="radio"/> New Construction <input type="radio"/> Change to existing structure	
<b>9.</b>	Duration	
	<input type="radio"/> Permanent <input type="radio"/> Temporary	
<b>10.</b>	Proposed Construction Date Beginning (yyyy-mm-dd)	
<b>11.</b>	Temporary Structure	
	From (yyyy-mm-dd)	To (yyyy-mm-dd)

12. Marking and Lighting Proposed (refer to Standard 621)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Red lights and paint      | <input type="checkbox"/> Red and M.I. white lights | <input type="checkbox"/> White M.I. lights           |
| <input type="checkbox"/> Red and H.I. white lights | <input type="checkbox"/> White H.I. lights         | <input type="checkbox"/> No painting                 |
| <input type="checkbox"/> No lighting               | <input type="checkbox"/> Paint marking only        | <input type="checkbox"/> Other (provide description) |

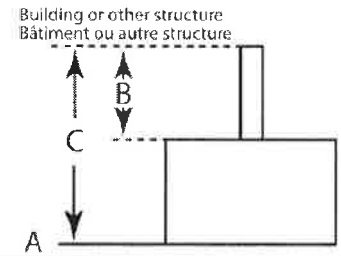
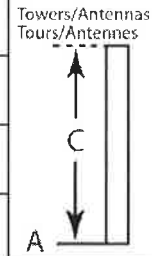
13. Monitoring to Standard 621, article 4.7

- |   |  |
|---|--|
| <input type="checkbox"/> Visual Inspection per 24 hours | <input type="checkbox"/> Automatic remote monitoring |
|---|--|

14. Catenary/Cable Crossing

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Paint supporting structures | <input type="checkbox"/> Cable marker spheres | <input type="checkbox"/> Shore markers |
| <input type="checkbox"/> Support structure lighting  | <input type="checkbox"/> Cable marker lights  |  |

		Feet	Metres
15. <b>A</b>	Ground Elevation (AMSL)		
16. <b>B</b>	Height of an addition to an existing structure		
17. <b>C</b>	Total structure height including #15 (AGL)		
18.	Overall height (#14 plus #16) (AMSL)		



19. Does the proposal comply with Airport Zoning Regulations?  Yes  No  N/A

I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge. Also, I agree to mark and/or light and maintain the structure with established marking and lighting standards as necessary.

Date (yyyy-mm-dd)	Name of person filing notice	Signature
-------------------	------------------------------	-----------

**Transport Canada Assessment**

Marking and lighting required (as per Standard 621)

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Lighting Required | <input type="checkbox"/> Paint Required | <input type="checkbox"/> Temporary Lighting Required | <input type="checkbox"/> No Lighting or Painting required |
|--|---|--|---|

Comments (Transport Canada use Only)

Civil Aviation Inspector	Signature	Date (yyyy-mm-dd)
--------------------------	-----------	-------------------

Note 1: This assessment is only valid for one year from the date of assessment and applicable to the proposal as submitted.

Note 2: If there is a change to the intended installation, a new submittal is required.

**USE AND INSTRUCTIONS FOR COMPLETING FORM**  
**(page 1)**

- A. **Purpose of Form:** The purpose of this form is to specify the location of new or altered structures that may pose a hazard to aviation. It also allows Transport Canada (TC) to identify proposals that conflict with Air Regulations or, as necessary, to advise the applicant of marking and lighting requirements. This form does not constitute authority for construction.
- B. **When to Complete the Form:** Completed forms, electronic or paper, are submitted at least 90 days prior to all alterations which increase the structure's height; or for proposed new structures if:
- (i) of such a height as to penetrate an airport obstacle limitation surface specified in the *Aerodrome Standards and Recommended Practices Manual - TP312*;
  - (ii) within 6 km of the centre of an aerodrome;
  - (iii) higher than 90 m AGL within 3.7 km of the centreline of a recognized VFR route such as, but not limited to, a valley, a railroad, a transmission line, a pipeline, a river or a highway;
  - (iv) higher than 150 m AGL at any other location; or
  - (v) a component of a catenary wire crossing where any portion of the wires or supporting structures exceed 90 m AGL;
- C. **Supporting Data and Documents**
- (i) a 1:50,000 scale map, or the most detailed map available showing ground contour elevations to allow determination of the structure's latitude and longitude.
  - (ii) sketches, plans or blueprints for structures other than radio or TV antennae.
- D. Please note that this assessment process applies to Transport Canada's requirements only, and assesses the proposed marking and lighting of objects in accordance with standards contained in Standard 621.
- E. This form does not constitute authority for construction.
- F. This form neither constitutes nor replaces any approvals, permits or assessments required by NAV CANADA, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval/assessment is required.
- G. Completed applications are to be forwarded to the applicable Transport Regional office listed in Appendix A.
- H. A separate application is to be submitted to NAV CANADA. For a detailed description on NAV CANADA's requirements and additional information, refer to the NAV CANADA Land Use Proposal website at [www.navcanada.ca](http://www.navcanada.ca).
- I. If the proposed construction does not take place, notification is sent to Transport Canada.

**Abbreviations**

AMSL	Above Mean Sea Level
AGL	Above Ground Level
M.I.	Medium Intensity
H.I.	High Intensity
VFR	Visual Flight Rule
ICAO	International Civil Aviation Organization

**USE AND INSTRUCTIONS FOR COMPLETING FORM**  
**(page 2)**

Item	
1	The Owner of the structure who is responsible for installation of marking and lighting. Include name, address and phone number of a personal contact point as well as the company name.
2	The Owner's representative who is making application, if other than ITEM #1 Include name, address and phone number of a personal contact point as well as the company name.
3	<p>Provide a narrative description of the proposal</p> <p>(a) - MANDATORY - Indicate the type of structure. (e.g. antenna, crane, building, power line, landfill, water tank, wind farm, moored balloon, kite, catenary/cable crossing, etc.)</p> <p>(b) - For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (Attach depiction).</p> <p>(c) - For each pole/support, include coordinates, site elevation, and structure height above ground level or water. For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials. For alterations, explain the alteration thoroughly.</p> <p>(d) - For a proposed wind farm, include a spreadsheet with Turbine ID, geographic coordinates (in minutes, degrees and seconds), height above ground, and ground elevation.</p> <p>(e) - For existing structures, thoroughly explain the reason for notifying Transport Canada (e.g. corrections, no record on file with Transport Canada or previous study, etc.).</p> <p>(f) - For Catenary crossings, the geographic coordinates for all pertinent support structures are provided along with heights AMSL and AGL including the height of wires above ground or water level.</p> <p>(g) - If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.</p> <p>(h) - Description of surrounding environment and structures. Provide photographs of the area of intended installation.</p>
4	Latitude and longitude must be geographic coordinates, to within the nearest second or to the nearest hundredth of a second if known. For accuracy of the measurement refer to ICAO Annex 15 <i>Aeronautical Information Services</i> .
5	Enter the name of the nearest community, city or town to the site. If the structure is or will be in a community, enter the name of that community.
6	Enter the name of the nearest aerodrome.
7	It is recommended that the nearest aerodrome be contacted to resolve any difficulties that the installation may pose to aerodrome operations.
8	<p>(a) - New Construction would be a structure that has not yet been built.</p> <p>(b) - Alteration is a change to an existing structure such as the addition of a top mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alteration is included in ITEM #3 "Description of Proposal".</p> <p>(c) - Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has not been assessed. The reason for the notice is included in ITEM #3 "Description of Proposal".</p>
9	A temporary structure would be such as a crane or drilling derrick.
10	Enter the date for the start of construction.
11	Enter the time period during which the temporary structure will be in place.
12	Refer to Standard 621 for requirements of marking and various lighting systems.
13	Indicate the means that will be used to monitor the status of the lighting and identify the occurrence of a failure.
14	Indicate the form of marking and lighting that is proposed for the catenary crossing.
15	Enter the ground elevation AMSL expressed in metres and feet. This data should match the ground contour elevations for site depiction submitted under ITEM #3.
16	Enter the height of the object if it is an addition to an existing structure. The height will determine the need for lighting of this object and may affect the heights of intermediate levels of lighting on the structure.
17	Enter the total structure height AGL in metres and feet. The total structure height includes anything mounted on top of the structure, such as antennae, obstruction lights, lightning rods, etc, in addition to the structure itself.
18	Enter the overall height AMSL. This will be the total of ITEM #15 plus ITEM #17.
19	Assistance in regard to zoning regulations can be obtained from Transport Canada. Refer to Standard 621, Appendix A.