To complete this form, select one of the Requested Action buttons and fill-in each field that applies to your request. Also include Contact information by clicking the 'Contact Information' button.

Always complete the 'Application Reason' field describing the action or situation prompting this application.

For non-obvious fields, hovering the mouse cursor over a field label (or field) will display an explanation of the information requested in the field. Units and formats for the data are included.

The antenna table at the bottom of the form is navigated using the up, down, left and right arrow keys. To navigate between cells, first click in a cell, then use the arrow keys.

For a cell with the focus, data and units required in the cell are described at the bottom of the screen, beneath the row of buttons. (Other form fields may also place information in this location.)

EDITING DATA +++++++++++++++++

An 'nrqzApplication.txt' file, present on the desktop in a folder named 'nrqzApplication', may be opened using the File/Open menu or via the Ctrl-O keys (Windows) or Cmd-O keys (Apple OSX).

Edit any field. When finished click on the Save button. Choose to overwrite when queried.

BUTTONS +++++++++++++++

Save - When finished filling the form, click Save. A folder named "nrqzApplication" will be created on your desktop. Inside that folder will be placed a file named "nrqzApplication.txt" containing the form information.

Clear - Clears information in all fields.

Exit or Cancel - Closes the program without saving.

Contact Information - Invokes the contact screen.

ANTENNA PATTERNS +++++++++++++++

All applications must include a manufacturer's azimuth and elevation data file for each antenna. The preferred data format is TIA-804-B with a file extension of ".adf" or ".xap". Pattern files should include electrical beam tilt (in vertical pattern data), but EXCLUDE all mechanical beam tilt considerations.

Additionally, antennas capable of user adjustable electrical beam tilt must also include a manufacturer's azimuth and elevation pattern file for each degree of available electrical beam tilt over the entire beam tilt range of the antenna. The preferred data file format is TIA-804-B with a file extension of ".adf" or ".xap".

SUBMISSION TO NRAO/NRQZ ++++++++++++++++

For each antenna, create a folder entitled 'antenna1' (antenna2, antenna3, ...), the numbers corresponding to the antenna numbers in the antenna table. Place the antenna manufacturer's pattern file(s) for that antenna in each folder. If identical antennas are to be used multiple times, copies of the pattern file(s) must appear in each antenna folder.

Place all antenna folders in the 'nrqzApplication' folder. If desired, any other data, letters and documents may be included in this folder.

Compress (zip) the nrqzApplication folder and email it to the National Radio Quiet Zone Administrator at nrqz@nrao.edu

CONTENTS OF THE nrqzApplication FOLDER++++++++++++++

Each application for an NRQZ analysis must include the following:

>nrqzApplication - (folder with name = 'nrqzApplication')

>nrqzApplication.txt - (file with name = 'nrqzApplication.txt')

created using this program nrqzApplicationMaker

>Antenna1 - (folder with name = 'Antenna1')

containing one or more antenna data files using the

preferred format TIA-804-B with a file extension of ".adf" or ".xap"

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>AntennaN - (folder with name = 'AntennaN' where N = number of antennas)

containing one or more antenna data files using the

preferred format TIA-804-B with a file extension of ".adf" or ".xap"

>Folder(s) and/or File(s) containing any other information/letters/data