Introduction – The purpose of this note is to provide installation instructions and comments on a patch for the CQ/X Client software. The patch applies to version 1.8.0 of the software and is provided to implement the enhancements and fix the problems described below.

Previous Patches – This is the fifth patch for version 1.8.0. Users of version 1.7.9 that have installed all of the patches for that version and Patch 180-01, 180-02, 180-03, and 180-04 can apply this patch without downloading version 1.8.0. Other users should first download and install a full copy of version 1.8.0 from www.no5w.com then apply Patch 180-01, 180-02, 180-03, and 180-04 followed by Patch 180-05.

Installation – In addition to these notes the zip file associated with this patch contains a setup file for automatically installing the patch in C:\ProgramFiles\CWSoft\. **WARNING: Please note that the setup file assumes that you have installed the program in C:\Program Files\CWSoft\. If this is not the case you can still run the setup but following this you will need to manually copy each of the files to their corresponding directories in your location.** Here's a list of the files contained in this patch and a description of where they will be installed.

File	Installation
CQXClient.exe CQXClient.ini CabrilloTags.txt	These are the main executable, a configuration file, and a file containing the Cabrillo tag definitions. They replace the files of the same name in the main directory which in the standard installation is **C:\Program Files\CWSoft\CQXClient**
ND-MSONNQP_Cty.mlt	This is the file that defines the North Dakota multipliers of the MSONNQP multi-QP. It replaces the file of the same name in the MSDONNDNE_QSOParty directory which in the standard installation is a subdirectory of C:\Program **Files\CWSoft\CQXClient\ ContestDefns**
Directory: NorthDakotaQSOParty	This is the directory containing the definition, multipliers, polygons, etc. for the North Dakota QSO Party. It replaces the directory of the same name in the ContestDefns subdirectory which in the standard installation is C:\Program **Files\CWSoft\CQXClient\ ContestDefns**
FQP.def	This is the file that defines the Florida QSO Party. It replaces the file of the same name in the FloridaQSOParty directory which in the standard installation is a subdirectory of C:\Program **Files\CWSoft\CQXClient\ ContestDefns**
TQP.dll	This is the DLL file that runs each of the state QSO parties. It replaces the file of the same name in the ContestDefns sub-directory which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ ContestDefns**
DevelopingCrossingFileUsingGoogleMap.pdf	This document replaces the file of the same name in the Documents directory, which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ Documents**
ConfigurationDecisions.pdf	This document replaces the file of the same name in the Documents directory, which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ Documents**
CQX-GPS-And-RouteInfo-Options.pdf	This is a new document that describes the options available for using a GPS and for user-provided route information. It resides in the Documents directory, which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ Documents**
QuickRefWithGPS.pdf	This document replaces the file of the same name in the Documents directory, which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ Documents**
Directory: ArkansasQsoParty	This directory contains an update of the ARQP rules as well as a pdf of county abbreviations and the expanded county names for the ADIF log. The definition file ARQP.def replaces a file of the same name and the other two files are new. The directory resides

	in the ContestDefns sub-directory which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ ContestDefns**
Directories: AlabamaQsoParty, MaritimeQsoParty, NewJerseyQsoParty, WestVirginiaQsoParty	These directories contain a pdf of county abbreviations and the expanded county names for the ADIF log. The files are new. The directories reside in the ContestDefns sub-directory which in the standard installation is **C:\Program Files\CWSoft\CQXClient\ ContestDefns**
KSQP.def	This is the file that defines the Kansas QSO Party. It replaces the file of the same name in the KansasQSOParty directory which in the standard installation is a subdirectory of C:\Program **Files\CWSoft\CQXClient\ ContestDefns**
MNQP.def	This is the file that defines the Minnesota QSO Party. It replaces the file of the same name in the MinnesotaQSOParty directory which in the standard installation is a subdirectory of C:\Program **Files\CWSoft\CQXClient\ ContestDefns**

Problems Addressed/Enhancements – The following problems/enhancements are addressed.

Problem/Enhancement	Description
County abbreviations for the North Dakota QSO Party have changed	These changes have been implemented
The Florida QP does not allow 80m and 160m QSOs but these bands appear on the score table	This has been fixed.
For submitting logs to LOTW it would be helpful to include seconds in logging each QSO to enable each QSO to have a unique log time.	This has been implemented
The document describing how to build a route using a Google Map KML file contains reference to the Overlay method which has been replaced with the KML method.	The document has been revised and reference to the out of date Google Map Overlay method has been removed.
Some sections of the document describing configuration decisions are no longer applicable or are out of date.	The document has been revised.
Some sections of the document describing getting started using a GPS with CQ/X are out of date.	The document has been revised.
It would be useful to have a document outlining the options for using a GPS and for providing route information.	This document can be accessed via the Help	Getting Started menu item.
There have been some rule changes in the Arkansas QSO party.	The ARQP definition file has been updated and a file containing county abbreviations and expanded county names for the ADIF log have been added.
When operating mixed mode in a state QSO party where mults are counted per mode (e.g. FQP) it would be helpful to get an indication that the mult you are currently working is needed on the other mode.	This has been implemented. The M-Needs panel is turned red when this condition exists.
When operating mixed mode in a	This has been implemented under the Prepare Statistics menu.

state QSO party where mults are counted per mode (e.g. FQP) it would be helpful to be able to generate a report of mults available on each mode but needed on the other mode.	
When operating mixed mode in a state QSO party where mults are counted per mode (e.g. FQP) it would be helpful to allow the QSY message to be band-dependent so that it would not have to be edited on each band change.	This has been implemented.
In my post-contest analysis it would be useful to have the capability of determining county line crossings from a GPS recording.	This has been implemented
For the driver it would be useful to have a multi-waypoint tracker and a display of distance/time to next county with easily readable fonts	This has been implemented.
When connecting the right radio use of that area for previous QSO info should be automatically canceled.	This has been fixed.
When using the right radio auto-fill is not working	This has been fixed.
An EStringList error is being thrown on first attempt to use # to manually set the county	This has been fixed.
There have been some changes in the Kansas and Minnesota QSO parties.	These changes have been implemented in the definition files for KSQP and MNQP.