

**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 1.7.7 of the software and is provided to implement the enhancements and fix the problems described below.

**Previous Patches** – This is the first patch for version 1.7.7. Users of version 1.7.6 that have installed all of the patches for that version can apply this patch without downloading version 1.7.7. Other users should first download and install a full copy of version 1.7.7 from [www.no5w.com](http://www.no5w.com) then apply patch 177-01.

**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\CQXClient\. **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 CabrilloTags.txt CQXClient.ini	These are the main executable, a file containing the Cabrillo tag definition, and a configuration file. They replace the files of the same name in the main directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\</b>
MOQP_Cty.MLT	This is the multiplier file for the counties of the Missouri QSO Party. It replaces the file of the same name in the Missouri QSO Party subdirectory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\MissouriQsoParty</b>
WVE_SP_VE_SD.MLT WVE_SP_VE_IA.MLT WVE_SP_VE_ND.MLT WVE_SP_VE_NH.MLT WVE_SP_VE_VT.MLT	These are the multiplier files for states and provinces for the South Dakota, Iowa, North Dakota, New Hampshire, and Vermont QSO Parties. They are new files which will reside in the Contest Defns subdirectory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
TQP.DLL RAC.DLL NASprint.DLL WPX.DLL	These are the DLLs that run each of the state QSO parties, the RAC Winter Contest, the NA Sprint, and the WPX contest. They replace the files of the same names in the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
ConList.dat	This is the file containing the list of supported contests. It replaces the file of the same name in the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
KentuckyQsoParty directory	This is the directory containing the files needed to support the Kentucky QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
KYQP_Maps directory	This is the directory containing the map files for the Kentucky QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
SouthDakotaQsoParty directory	This is the directory containing the files needed to support the South Dakota QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
SDQP_Maps directory	This is the directory containing the map files for the South Dakota QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is

	<b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
NewHampshireQsoParty directory	This is the directory containing the files needed to support the New Hampshire QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
NHQP_Maps directory	This is the directory containing the map files for the New Hampshire QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
DelawareQsoParty directory	This is the directory containing the files needed to support the Delaware QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
DEQP_Maps directory	This is the directory containing the map files for the Delaware QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
IdahoQsoParty directory	This is the directory containing the files needed to support the Idaho QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
IDQP_Maps directory	This is the directory containing the map files for the Idaho QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
ArizonaQsoParty directory	This is the directory containing the files needed to support the Arizona QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
AZQP_Maps directory	This is the directory containing the map files for the Arizona QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
NevadaQsoParty directory	This is the directory containing the files needed to support the Nevada QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
NVQP_Maps directory	This is the directory containing the map files for the Nevada QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
NorthDakotaQsoParty directory	This is the directory containing the files needed to support the North Dakota QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
NDQP_Maps directory	This is the directory containing the map files for the North Dakota QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
VirginiaQsoParty directory	This is the directory containing the files needed to support the Virginia QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation

	is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
VAQP_Maps directory	This is the directory containing the map files for the Virginia QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
VermontQsoParty directory	This is the directory containing the files needed to support the Vermont QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
VTQP_Maps directory	This is the directory containing the map files for the Vermont QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
SouthCarolinaQsoParty directory	This is the directory containing the files needed to support the South Carolina QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
SCQP_Maps directory	This is the directory containing the map files for the South Carolina QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
MarylandQsoParty directory	This is the directory containing the files needed to support the Maryland-DC QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
MDQP_Maps directory	This is the directory containing the map files for the Maryland-DC QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
NebraskaQsoParty directory	This is the directory containing the files needed to support the Nebraska QSO Party. It is a new directory which is a sub-directory of the ContestDefns directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\</b>
NEBQP_Maps directory	This is the directory containing the map files for the Nebraska QSO Party. It is a new directory which is a sub-directory of the Maps directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Maps\</b>
Polygon subdirectories for all supported state QSO parties	These are the directories containing the shape files for the counties. They replace directories of the same name under each state QSO party directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\XXQsoParty\</b>
COQP.def COQP_Def_Msg_Ext_Fix.txt COQP_Def_Msg_Int_Fix.txt COQP_Def_Msg_Int_Mob.txt	These are the definition files and default message files for the Colorado QSO Party. They replace directories of the same name under each state QSO party directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\ContestDefns\ColoradoQsoParty\</b>
CQX_Tutorial.js, htm, swf CQX_Tutorial_85.js, htm,swf CQX_Crossing_Tutorial.js,htm,swf	These are files for CQ/X tutorials by Alan, N5NA. They are new files that reside in the Document sub-directory which in the standard installation is <b>C:\Program Files\CWSoft\CQXClient\Documents\</b>

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

<b>Problem/Enhancement</b>	<b>Description</b>
County Scott (SCO) is not being detected as a valid county in the Missouri QSO party.	An error has been corrected in the entry for Scott in the MOQP_Cty.mlt file
Document ExploringCQX.pdf has a few sections that no longer apply	The document has been revised
Only two Washington counties are contained in the KML file produced from the Plan Route form	Problem has been fixed
The Kentucky QSO Party is not currently supported	Support for Kentucky QP has been added
The South Dakota QSO Party is not currently supported	Support for South Dakota QP has been added
The New Hampshire QSO Party is not currently supported	Support for New Hampshire QP has been added
The Delaware QSO Party is not currently supported	Support for Delaware QP has been added
The Idaho QSO Party is not currently supported	Support for Idaho QP has been added
The Arizona QSO Party is not currently supported	Support for Arizona QP has been added
The Nevada QSO Party is not currently supported	Support for Nevada QP has been added
The North Dakota QSO Party is not currently supported	Support for North Dakota QP has been added
The Virginia QSO Party is not currently supported	Support for Virginia QP has been added
The Vermont QSO Party is not currently supported	Support for Vermont QP has been added
The South Carolina QSO Party is not currently supported	Support for South Carolina QP has been added
The Maryland-DC QSO Party is not currently supported	Support for Maryland-DC QP has been added
The Nebraska QSO Party is not currently supported	Support for Nebraska QP has been added
The earned multiplier credit rule for activating a county in the Tennessee QSO party is missing.	This feature is now implemented.
Please add an option to update GPS calculations with a 1 second period.	Option has been added
The TIGER 2000 county boundary data appears to be more accurate and give better resolution than the data currently in use.	Polygon data for all currently supported counties has been updated using the TIGER 2000 data.
The sequence numbering is not behaving correctly following a delete QSO operation	Problem has been fixed.
Organizers of the COQP have changed the exchange items to include NAME	Files for Colorado QP have been modified to include NAME as an exchange element.
A tutorial on the use of CQ/X would be appreciated	Alan, N5NA, has created a tutorial on the basic features and use of the program and has contributed it for inclusion.