

# 2020 New Mexico QSO Party Form Packet

**Last modified: March 24, 2020**

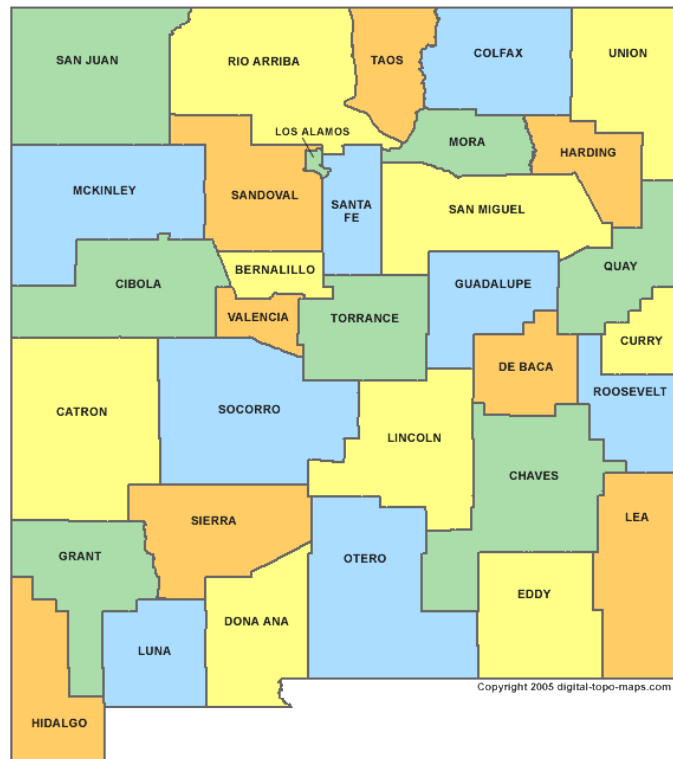
*(Please verify that this is the latest revision prior to the date of NMQP)*

## Important notes related to the evolving COVID-19 situation:

- The New Mexico QSO Party is still a **GO**. However, check back often for any updates.
- All New Mexico QSO Party participants are expected to follow CDC recommendations (or those of your country's equivalent) and applicable government-issued orders with respect to social distancing, travel, and minimizing risk of exposure to yourself or others. *This may limit or prevent your participation in certain operating categories this year.* At the very minimum, please participate from the comfort of your own shack! Stay safe and healthy.
- Paper logs and payment for participant certificates will not be accepted via postal mail this year. See rules for details.

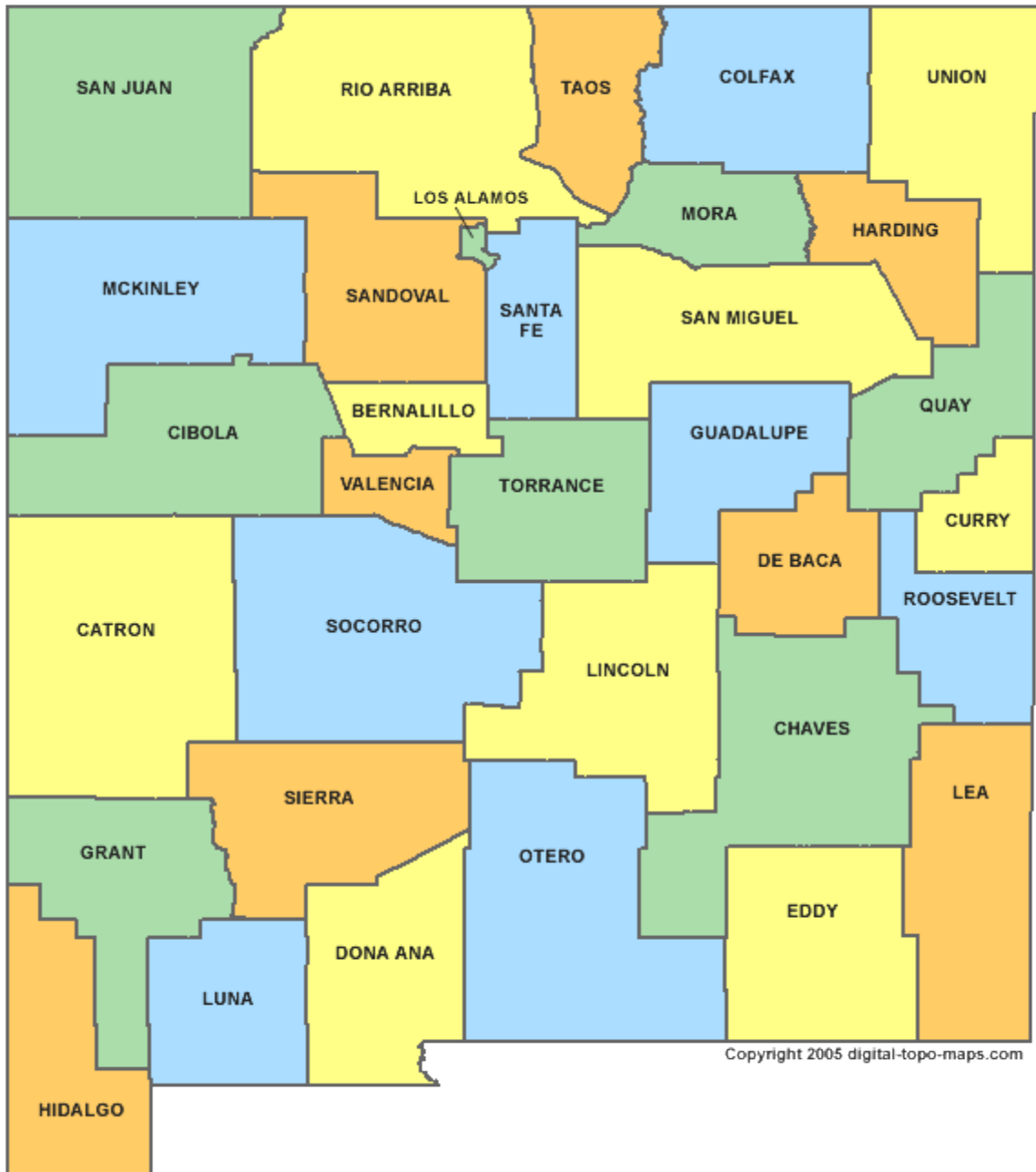
## 2020 Change log:

- 05 March:
  - *Initial release*
  - New: NMQP QSOs now permitted on 2-meters
  - New: The Outside New Mexico, Multi-Op category winner must make at minimum 30 QSOs to be eligible for a plaque, otherwise a certificate will be awarded
  - Revised: Definitions for Single-Op and Mobile-Op mobile operations



# 2020 New Mexico QSO Party County Map

Map Courtesy of [Digital Map Store](http://Digital Map Store)



# 2020 New Mexico QSO Party Rules

## 1. Object:

- a. Stations inside New Mexico work anyone in as many New Mexico counties, states, Canadian provinces, and DX entities as possible. Stations outside New Mexico work only New Mexico stations in as many New Mexico counties as possible.

## 2. Contest Period:

- a. The second Saturday of April 8:00 am MDT (1400 UTC) through 8:00 pm MDT (0200 UTC). Contest duration is 12 hours. Participants may operate for the entire duration of the contest.

## 3. Contest Bands & Suggested Frequencies

- a. Contest bands: 160, 80, 40, 20, 15, 10, 6, and 2 meters
- b. Contacts on WARC bands, 60 meters, and bands *above* 2 meters are not permitted
- c. Suggested frequencies (on or near):
  - i. CW: 1820, 3550, 7045, 14050, 21050, 28050 kHz, 50.095 MHz, 144.09 MHz
  - ii. Phone: 1850, 3815, 7260, 14280, 21380, 28380 kHz, 50.130 MHz, 144.20 MHz SSB, 146.52 MHz FM
  - iii. Digital: Around each mode's customary calling frequencies
  - iv. *New Mexico stations, especially mobiles, are encouraged to congregate on or adjacent to the above frequencies at the top of each hour.*

## 4. Contest Modes

- a. Phone, CW, digital (any computer-to-computer mode is considered digital)

## 5. Classes

- a. **Single Operator.** One person performs all operating and logging functions. Only one (1) transmitted signal on the air at any time. All transmitters, receivers, and antennas must lie within a 500-meter circle. This includes portable (non-mobile) stations. The use of assistance or nets (DX-alerting nets, packet, internet, multi-channel decoders such as CW Skimmer, etc.), using non-Amateur Radio means of communication to solicit contacts during the event period, self-spotting, and requesting to be spotted is not permitted.
- b. **Multi-Operator.** More than one person performs operating or logging functions. Only one signal per band per mode allowed at any time. All transmitters, receivers, and antennas must lie within a 500-meter circle. This includes portable (non-mobile) stations. The use of assistance or nets (DX-alerting nets, packet, internet, multi-channel decoders such as CW Skimmer, etc.) is permitted. The use of non-Amateur Radio means of communication to solicit contacts during the event period, self-spotting, or requesting to be spotted is not permitted. Multioperator stations should use a single name as part of its exchange throughout the entire contest.
- c. **Mobile.** Consistent with County Hunter rules (<http://marac.org/awards.pdf>), "making contacts using a radio in or on a movable vehicle is a Mobile Operation. The vehicle does not have to be in motion. The radio must be powered by the vehicle or other power source that is contained in the vehicle and which is independent of all commercial or other outside power sources. The vehicle must be capable of movement without having to disconnect any wiring or antennas in order to move to another location. Examples of vehicles that are capable of mobile operation include automobiles, trucks, RVs, trains, bicycles, airplanes, and buses." All operations occur within the same vehicle. There are two classes of mobile operation.

- i. **Single Operator.** One person performs all operating, logging, and driving functions. *For safety reasons, participants should operate only while parked.* The use of assistance or nets (DX-alerting nets, packet, internet, multi-channel decoders such as CW Skimmer, etc.), using non-Amateur Radio means of communication to solicit contacts during the event period, self-spotting, and requesting to be spotted is not permitted.
- ii. **Multi-Operator.** More than one person performs operating, logging, and driving functions. *For safety reasons, participants should operate only while there is a dedicated driver or while parked.* The use of assistance or nets (DX-alerting nets, packet, internet, multi-channel decoders such as CW Skimmer, etc.) is permitted. The use of non-Amateur Radio means of communication to solicit contacts during the event period, self-spotting, or requesting to be spotted is not permitted. Multioperator stations should use a single name as part of its exchange throughout the entire contest.

## 6. Exchange

- a. New Mexico stations: Name and New Mexico county
- b. Non-New Mexico stations: Name and State/Province/DXCC entity

## 7. QSO Points

- a. Each complete Phone contact is worth **1 point**
- b. Each complete CW contact is worth **2 points**
- c. Each complete Digital contact is worth **2 points**

## 8. Multipliers / Bonuses

- a. **Power Multipliers** (the highest output power used at any point during the contest determines your reported power multiplier)
  - i. QRP: 5 watts output or less: **x5**
  - ii. Low Power: > 5 to 150 watts output: **x2**
  - iii. High Power: Greater than 150 watts output: **x1**
- b. **Location Multipliers for New Mexico participants**
  - i. Multiply QSO points by total of each different NM county worked (up to 33), states worked (up to 50), Canadian provinces/territories worked (up to 13; see below) and DXCC entities worked.
    1. Alaska and Hawaii count as state multipliers only; District of Columbia (DC) counts as Maryland.
    2. United States and Canada do not count as DXCC entity multipliers.
    3. Each multiplier may be counted **ONLY ONCE**, regardless of mode or band.
  - ii. List of Canadian Provinces and Territories: Alberta (AB), British Columbia (BC), Manitoba (MB), New Brunswick (NB), Newfoundland-Labrador (NL), Nova Scotia (NS), Ontario (ON), Prince-Edward Island (PE), Quebec (QC), Saskatchewan (SK), Northwest Territories (NT), Nunavut (NU), Yukon Territories (YT)
- c. **Location Multipliers for Non-New Mexico participants**
  - i. Multiply QSO points by total of each different NM county worked (up to 33).
  - ii. Each multiplier may be counted **ONLY ONCE** regardless of mode or band.
- d. **Mobile operations bonus (for New Mexico mobile stations only)**
  - i. Add an additional 5,000 points to the final score for every county from which at least 15 valid QSOs were made.

## 9. Scoring

### a. For non-mobile participants:

Total = Sum of QSO points from all bands  $\times$  power multiplier  $\times$  location multiplier

### b. For mobile participants:

Total = (Sum of QSO points from all bands and counties operated from  $\times$  power multiplier  $\times$  running total of location multipliers) + Mobile operation bonus

(For example, if you work GA, NC, and BER from one county, and BER, IN, OH from the next county you operate from, your running total of location multipliers is five [5]. BER may only be counted as a multiplier once.)

## 10. Miscellaneous

- a. Stations may be worked only once *per mode, per band*.
- b. Complete exchange information must be received by each station for a complete QSO.
- c. All contacts must be made without the assistance of intermediary stations, such as repeaters, digipeaters, satellites, etc.
- d. County lines are defined as per County Hunter rules (<http://marac.org/awards.pdf>).
- e. A New Mexico mobile station that travels into a new county is considered to be a new station and may be contacted again for point and multiplier credit. A New Mexico mobile station that travels into a new county may contact other stations again for point credit (however multipliers may still only be counted once).
- f. Consistent with County Hunter rules (<http://marac.org/awards.pdf>), "a stationary mobile may operate on a County Line and contacts with the mobile can be used as credit for both counties." *For reasons of safety and access, contacts made within 200 feet of a county line are considered valid for county line operations.* Furthermore, "only one County Line at a time can be run for [New Mexico QSO Party] credit. If the mobile is operating from the intersection of three or more USA Counties, only two counties at a time may be counted for the same contact."

## 11. Special Categories and Awards

- a. **High Score – New Mexico Club award.** A plaque, if sponsored, will be awarded to the New Mexico amateur radio club that achieves the highest aggregate score based on the scored logs submitted by its participating members. For a club to earn credit towards this award, the organization's name must be noted clearly within the paper or electronic log submitted. A participant wishing to extend credit for this award may list only one (1) New Mexico club in their log, and he/she must be a member in good standing of that club at the time of the QSO Party.
- b. **Most Counties Activated by a New Mexico Club award.** A plaque, if sponsored, will be awarded to the New Mexico amateur radio club that achieves the highest aggregate number of counties activated, based on the counties that its participating members activate in the course of the event, as recorded in their submitted logs. A minimum of 15 QSOs must be made from a given county in order to be counted as credit towards this award. For a club to earn credit towards this award, the organization's name must be noted clearly within the paper or electronic log submitted. A participant wishing to extend credit for this award may list only one (1) New Mexico club in their log, and he/she must be a member in good standing of that club at the time of the QSO Party.
- c. **New Mexico Expedition Category.** This special category encourages operators to activate New Mexico counties using Field-Day-style operations, with a station assembled and operated specifically for the New Mexico QSO Party.
  - i. This category is distinct from mobile operations, in that contacts are made from a portable (non-mobile) station that is set up specifically for the New Mexico QSO Party. Any non-mobile station within New Mexico may participate in this category.
  - ii. This is a special category, not a new operating class (as defined in Section 5 above). Stations participating in the expedition category must still operate and

- submit their log as a single-operator or multi-operator class operation. Stations will still be ranked among other single-operators or multi-operators in the event, however they will also be ranked among other expedition participants.
- iii. Stations wishing to participate in the expedition category must clearly note "Expedition Station" or equivalent on their logs and/or summary sheet. Those submitting electronic logs should make this note in the "soapbox" field of the Cabrillo file.
  - iv. The use of existing stations, radio facilities, and permanently installed antennas, either amateur or commercial, are not permitted in this category.
  - v. All equipment used in the expedition category must be powered by a source that is independent of the power mains. Generators, batteries, solar panels, fuel cells, wind generators, and radioisotope thermal generators are all examples of power sources that can be used in this category.
  - vi. All transmitters, receivers, and antennas must lie within a 500-meter circle. See Single Operator and Multi-Operator class rules, as appropriate, for transmitted signal limitations.
  - vii. Similar to County Hunter rules (<http://marac.org/awards.pdf>), an expedition station may operate on a County Line and contacts with the expedition station can be used as credit for both counties. *For reasons of safety and access, contacts made within 200 feet of a county line are considered valid for county line operations.* Furthermore, only one County Line at a time can be run for New Mexico QSO Party credit. If the expedition station is operating from the intersection of three or more USA Counties, only two counties at a time may be counted for the same contact.
  - viii. At least 30 QSOs must be made to qualify as a valid expedition operation.
  - ix. The entire expedition station may be disassembled, moved, and reassembled within another county or county line during the event, provided the minimum number of required QSOs is met in order to qualify as a valid expedition at each location.
- d. **High Score – QRP award.** A plaque, if sponsored, will be awarded to the highest scoring New Mexico single-operator QRP participant.

## 12. Reporting

- a. Cabrillo formatted electronic logs. A list of known logging applications that support the proper New Mexico QSO Party Cabrillo template is available on the New Mexico QSO party website at [www.newmexicoqsoparty.org](http://www.newmexicoqsoparty.org). Electronic logs must be submitted in proper Cabrillo format (template included below); **electronic logs that are incomplete not in proper Cabrillo format, or late will be counted only as check logs.**
- b. Paper logs. Valid paper logs must include (a) a completed check sheet; (b) completed logsheets; and (c) a completed summary sheet. Only forms provided on the New Mexico QSO party website at [www.newmexicoqsoparty.org](http://www.newmexicoqsoparty.org) will be accepted. Writing must be legible; **incomplete, illegible, or late logs will be counted only as check logs.**
- c. Participant logs must be received **no later than April 25, 2020** (two weeks following the event).
- d. Electronic logs should be emailed to [logs@newmexicoqsoparty.org](mailto:logs@newmexicoqsoparty.org)
- e. Due to the evolving COVID-19 situation, paper logs will not be accepted by postal mail this year. Paper logs will only be accepted if photographed or scanned and emailed to [logs@newmexicoqsoparty.org](mailto:logs@newmexicoqsoparty.org)
- f. NMQP will strive to post final results on the New Mexico QSO Party website in the June timeframe.

### 13. Awards and Participant Certificates

- a. Plaques will be awarded to first place winners of various categories. Winning Multi-Op teams will receive a single plaque on behalf of their team. If a plaque for a particular category does not have a sponsor by the time logs are scored, a color certificate will be awarded instead. A list of available awards and sponsors is provided at [www.newmexicogsoparty.org](http://www.newmexicogsoparty.org). Sponsorship of awards may be changed at the discretion of the New Mexico QSO Party organizers based on contest category entries.
  - i. The Outside New Mexico, Multi-Op category winner must log at minimum 30 valid QSOs to be eligible for a plaque, otherwise a certificate will be awarded.
- b. Special awards may be made at the discretion of the New Mexico QSO Party organizers.
- c. Participants may purchase a participant certificate for \$3.00 each (funds cover certificate, color printing, envelope, and postage). Due to the evolving COVID-19 situation, payment by postal mail will not be accepted this year. Please send an email to [logs@newmexicogsoparty.org](mailto:logs@newmexicogsoparty.org) for guidance on paying via PayPal or Apple Cash.
  - i. A valid log entry (either electronic or paper) containing **a minimum of 20 QSOs** must be submitted to be eligible for a participant certificate.
  - ii. Payment must be received not later than the log submission deadline.
  - iii. Ensure that your name and callsign are clearly identified with your payment.
  - iv. Unless otherwise requested, the name(s) printed on the certificate will be identical to the name(s) reflected in paper/electronic logs.

### 14. New Mexico QSO Party Participation Agreement

- a. By participating in the New Mexico QSO Party, you and other individuals who may be participating with you ("participant") agree to be bound by the provisions of these rules, the regulations of your licensing authority, and the decisions of the New Mexico QSO Party organizers. Further, participant agrees to indemnify and hold harmless the New Mexico QSO Party, its organizers, and sponsors from any claim or consequence resulting from any activity associated with participating in the New Mexico QSO Party. By engaging in any form of participation in the New Mexico QSO Party, participant acknowledges and agrees to abide by this agreement.

## New Mexico QSO Party Cabrillo Log Format

Log developers: Please utilize the following template to support the New Mexico QSO Party:

```

-----INFO SENT-----
QSO: 14060 PH 2011-04-09 1811 KB5SXB/M EDWARD SAN W5RMY PATRICK BER
-----INFO RCVD-----
QSO: ***** ** YYYY-MM-DD NNNN ***** ***** ***** ***** *****
QSO: 14060 PH 2011-04-09 1811 KB5SXB/M EDWARD SAN W5RMY PATRICK BER

```

- All QSO data should be space delimited for proper parsing.
- Cabrillo version 2.0 or 3.0 welcome.
- All dates/times are in UTC
- Modes are PH, CW, or RY. Use RY to designate all digital modes.
- QTH is three letter NM county abbreviation, or two-letter State/Province abbreviation, or "DX".
- The ARRL-SECTION: tag (Cabrillo v2.0) and LOCATION: tag (Cabrillo v3.0) is used to identify New Mexico stations for proper automated log checking and scoring. Cabrillo logs generated for New Mexico stations should reflect ARRL-SECTION: NM or LOCATION: NM. Cabrillo logs generated for non-NM stations should reflect their respective location (example: ARRL-SECTION: EPA, LOCATION: PA, LOCATION: DX etc.).
- Cabrillo log filenames are **call.log**, where "call" is the NMQP participant's callsign.

### Sample log:

```

START-OF-LOG: v2.0
CONTEST: NM-QSO-PARTY
CREATED-BY: GenLog v7.0
CALLSIGN: N5ZGT
CATEGORY: SINGLE-OP LOW
ARRL-SECTION: NM
CLAIMED-SCORE: 192
OPERATORS: N5ZGT
NAME: BRIAN MILESHOSKY
ADDRESS: PO BOX 20186
ADDRESS: ALBUQUERQUE, NM
ADDRESS: USA
SOAPBOX: Sample NM station Cabrillo log
QSO: 14000 PH 2010-02-07 1501 N5ZGT BRIAN BER NK5W BRUCE SAN
QSO: 7000 PH 2010-02-07 1503 N5ZGT BRIAN BER WA5ZUP JOHN SJU
QSO: 14000 PH 2010-02-07 1504 N5ZGT BRIAN BER N5NA ALAN LEA
QSO: 14000 PH 2010-02-07 1505 N5ZGT BRIAN BER VE7RSV ROBERT BC
QSO: 14000 CW 2010-02-07 1507 N5ZGT BRIAN BER LY2ZZ JONAS DX
QSO: 14000 RY 2010-02-07 1511 N5ZGT BRIAN BER W1AW HIRAM CT
QSO: 14000 CW 2010-02-07 1513 N5ZGT BRIAN BER W9WSW SCOTT BER
QSO: 14000 CW 2010-02-07 1515 N5ZGT BRIAN BER W5RMY PAT BER
END-OF-LOG:

```



# 2020 New Mexico QSO Party Check Sheet

Callsign: \_\_\_\_\_ Name: \_\_\_\_\_

Enter the callsign of the first station worked within each county.

Callsign	County	Abbreviation
_____	Bernalillo	BER
_____	Catron	CAT
_____	Chaves	CHA
_____	Cibola	CIB
_____	Colfax	COL
_____	Curry	CUR
_____	De Baca	DEB
_____	Dona Ana	DON
_____	Eddy	EDD
_____	Grant	GRA
_____	Guadalupe	GUA
_____	Harding	HAR
_____	Hidalgo	HID
_____	Lea	LEA
_____	Lincoln	LIN
_____	Los Alamos	LOS
_____	Luna	LUN
_____	McKinley	MCK
_____	Mora	MOR
_____	Otero	OTE
_____	Quay	QUA
_____	Rio Arriba	RIO
_____	Roosevelt	ROO
_____	San Juan	SJU
_____	San Miguel	SMI
_____	Sandoval	SAN
_____	Santa Fe	SFE
_____	Sierra	SIE
_____	Socorro	SOC
_____	Taos	TAO
_____	Torrance	TOR
_____	Union	UNI
_____	Valencia	VAL

# 2020 New Mexico QSO Party Check Sheet

Enter the callsign of the first station worked within each US State and Canadian Province.

Callsign	State	Callsign	State
_____	Alabama	_____	North Carolina
_____	Alaska	_____	North Dakota
_____	Arizona	_____	Ohio
_____	Arkansas	_____	Oklahoma
_____	California	_____	Oregon
_____	Colorado	_____	Pennsylvania
_____	Connecticut	_____	Rhode Island
_____	Delaware	_____	South Carolina
_____	Florida	_____	South Dakota
_____	Georgia	_____	Tennessee
_____	Hawaii	_____	Texas
_____	Idaho	_____	Utah
_____	Illinois	_____	Vermont
_____	Indiana	_____	Virginia
_____	Iowa	_____	Washington
_____	Kansas	_____	West Virginia
_____	Kentucky	_____	Wisconsin
_____	Louisiana	_____	Wyoming
_____	Maine		
	Maryland / DC	Callsign	Canadian Province
_____	Massachusetts	_____	Alberta (AB)
_____	Michigan	_____	British Columbia (BC)
_____	Minnesota	_____	Manitoba (MB)
_____	Mississippi	_____	New Brunswick (NB)
_____	Missouri	_____	Newfoundland-Labrador (NL)
_____	Montana	_____	Nova Scotia (NS)
_____	Nebraska	_____	Ontario (ON)
_____	Nevada	_____	Prince-Edward Island (PE)
_____	New Hampshire	_____	Quebec (QC)
_____	New Jersey	_____	Saskatchewan (SK)
_____	New Mexico	_____	Northwest Territories (NT)
_____	New York	_____	Nunavut (NU)
_____		_____	Yukon Territories (YT)





# 2020 New Mexico QSO Party Summary Sheet

NOTE: Participants submitting paper logs must include this form with county checksheet and logs

Call: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State/Province, Postal code: \_\_\_\_\_

Your email address (should we have questions): \_\_\_\_\_

County (for NM stations only): \_\_\_\_\_

Club (for NM stations only): \_\_\_\_\_

## Entry Class

- Single Operator
- Multi-Operator
- NM Mobile, Single-Operator
- NM Mobile, Multi-Operator

## Power Class (Check highest power used at any time during event)

- QRP (5 watts or less)
- Low Power (>5 – 150 watts)
- High Power (Greater than 150 watts)
- New Mexico Expedition Category (review rules carefully)

## Scoring

\_\_\_\_\_ Phone QSOs x 1 point each = \_\_\_\_\_ points

\_\_\_\_\_ CW QSOs x 2 points each = \_\_\_\_\_ points

\_\_\_\_\_ Data QSOs x 2 points each = \_\_\_\_\_ points

\_\_\_\_\_ total QSO points

## Multipliers

**Power** (Enter multiplier corresponding to the highest power used at any time during event)

QRP (5W or less) = 5 \_\_\_\_\_

Low Power (>5W – 150W) = 2 \_\_\_\_\_

High Power (Greater than 150W) = 1 \_\_\_\_\_

\_\_\_\_\_ power multiplier

## **For Non-New Mexico Stations**

New Mexico counties: \_\_\_\_\_ (33 maximum)

## **For New Mexico Stations**

New Mexico counties: \_\_\_\_\_ (33 maximum)

States: \_\_\_\_\_ (50 maximum; DC counts as Maryland)

Canadian Provinces: \_\_\_\_\_ (up to 13; see rules)

DX entities\* : \_\_\_\_\_

\* Hawaii and Alaska count only as **state** multipliers. USA and Canada **do not** count as DX entity multipliers.

\_\_\_\_\_ total S/P/C multipliers

# 2020 New Mexico QSO Party Summary Sheet

NOTE: Participants submitting paper logs must include this form with county checksheet and logs

## **Mobile Operation Bonus Points** (for NM stations only; does not apply to non-mobile participants)

Number of counties within which you made 15 or more NMQP QSOs: \_\_\_\_\_

Multiply number of counties listed on previous line by 5,000: \_\_\_\_\_

\_\_\_\_\_ total mobile bonus points

## **Final Score**

### **For non-mobile participants only:**

Total QSO points \_\_\_\_\_ x Power multiplier \_\_\_\_\_ x Total S/P/C multipliers \_\_\_\_\_

= \_\_\_\_\_  
(Total Score)

### **For mobile participants only:**

(Total QSO points \_\_\_\_\_ x Power multiplier \_\_\_\_\_ x Running total of S/P/C multipliers

\_\_\_\_\_) + Total Mobile Operation Bonus Points \_\_\_\_\_

= \_\_\_\_\_  
(Total Score)

## **Request your New Mexico QSO Party Participant Certificate**

**Review New Mexico QSO Party rules for details (minimum QSO requirement, payment info, etc.).**

I have reviewed the NMQP rules and wish to purchase a NMQP participant certificate.

Name as you wish for it to appear on participant certificate (you may specify a club name; use additional space below if purchasing certificates for multiple operators):

\_\_\_\_\_

Quantity of certificates to be purchased: \_\_\_\_\_ x \$3.00 each

Total amount included for certificate(s): \$ \_\_\_\_\_

# 2020 New Mexico QSO Party Summary Sheet

**NOTE:** Participants submitting paper logs must include this form with county checksheet and logs

## New Mexico QSO Party Participant Agreement

By participating in the New Mexico QSO Party, you and other individuals who may be participating with you ("participant") agree to be bound by the provisions of these rules, the regulations of your licensing authority, and the decisions of the New Mexico QSO Party organizers. Further, participant agrees to indemnify and hold harmless the New Mexico QSO Party, its organizers, and sponsors from any claim or consequence resulting from any activity associated with participating in the New Mexico QSO Party. By engaging in any form of participation in the New Mexico QSO Party, participant acknowledges and agrees to abide by this agreement.

## Paper log submission

Due to the evolving COVID-19 situation, paper logs will not be accepted by postal mail this year. Paper logs will only be accepted if photographed or scanned and emailed to [logs@newmexicoqsoparty.org](mailto:logs@newmexicoqsoparty.org)

***Logs must be received no later than April 25, 2020 (two weeks following the event). Incomplete, illegible, or late logs will be counted only as check logs.***

Thank you for participating in the New Mexico QSO Party!