

## 1. SCOPE

This document outlines the rules for the *Missouri QSO Party*, sponsored by the Boeing Employees' Amateur Radio Society-St. Louis (BEARS-St. Louis).

## 2. RULES

The *General Rules for All ARRL Contests* will apply except as noted.

### 2.1. Eligibility

Any licensed radio amateur may enter.

### 2.2. Object

The object of the contest is to work as many stations as possible during the contest period, to provide all licensed radio amateurs outside the state of Missouri the opportunity to work Missouri counties, and to provide all licensed radio amateurs in Missouri an opportunity to work other states and countries.

### 2.3. Date and Time Period

The contest has two separate operating periods, typically on the first full weekend in April. For 2015, the contest is on April 4, 2015 to April 5, 2014.

	1 <sup>st</sup> Day	2 <sup>nd</sup> Day
Begin	1400 UTC Saturday	1400 UTC Sunday
End	0400 UTC Sunday	2000 UTC Sunday

### 2.4. Modes and Frequencies

CW, Digital, and phone operation on 160, 80, 40, 20, 15, 10, 6, 2, 1.25, 0.70m. Suggested frequencies are 1.820 MHz on 160m or 40 kHz up from the band edge on CW, and 1.880, 3.825, 7.220, 14.250, 21.380, and 28.350 MHz on SSB phone. Suggested frequencies on VHF/UHF are: 50.150, 144.250, 222.150, 432.150 USB and 52.550, 146.550, 233.150 and 446.550 FM. Use of the national calling frequencies on the VHF and UHF bands are prohibited. Use of repeaters and satellites are prohibited.

### 2.5. Entry Classifications

#### 2.5.1. Missouri Fixed Stations

Missouri Fixed stations will operate from a single county within the State of Missouri. Missouri Fixed stations may work any other station once per mode on each band except rover/expedition stations may be worked once per mode on each band for each county in which the rover/expedition station is located. Fixed stations may operate in one of the following categories:

- Missouri Fixed (Multi-Op) – any legal power, multi/multi allowed
- Missouri Fixed (Single-Op HP) – over 150W, one transmitted signal
- Missouri Fixed (Single-Op LP) – 150W or less, one transmitted signal
- Missouri Fixed (Single-Op QRP) – 5W or less, one transmitted signal

#### 2.5.1.1. Missouri Expedition

Missouri Expedition stations will operate from a single fixed geographic location (one or more county lines are encouraged). The station can be located at the intersection of two or more

counties. They will be allowed to make multiple QSOs with the same station, one for each of the counties in which they are located. Missouri expedition stations may work any other station once per mode on each band except rover/expedition stations may be worked once per mode on each band for each county where the other station is located.

Commercial power may be used. All antennas must be temporarily erected for the contest and removed afterwards. The location may not be that of a permanent amateur station. Expedition stations may operate from one of the following categories:

- Missouri Expedition (Multi-Op) – any legal power, multi/multi allowed
- Missouri Expedition (Single-Op HP) – over 150W
- Missouri Expedition (Single-Op LP) – 150W or less
- Missouri Expedition (Single-Op QRP) – 5W or less

### **2.5.2. Missouri Rover Stations**

Rover stations will operate from at least two counties within the State of Missouri. Rover stations may work any other station once per mode on each band from each county of operation. Rover stations may work other Rover/Expedition stations once per mode on each band for each county where the other station is located. Rover operation on county lines is permitted. County line operations must log these contacts as separate QSOs. Rover stations may operate from one of the following categories:

- Missouri Mobile (Unlimited) – over 150W, multi/multi allowed
- Missouri Mobile (Multi-Op LP) – 150W or less,
- Missouri Mobile (Single-Op LP Mixed) – 150W or less
- Missouri Mobile (Single-Op LP CW Only) – 150W or less
- Missouri Mobile (Single-Op LP SSB-Only) – 150W or less

### **2.5.3. Non-Missouri Stations**

Non-Missouri stations are from any other state in the United States (including Alaska and Hawaii), or any Canadian province or territory. Non-Missouri stations may work Missouri stations once per mode on each band, and rover stations once per mode on each band for each county in which the rover station is located.

- Non-Missouri (US Single Operator High Power) – Over 150W
- Non-Missouri (US Single Operator Low Power) – 150W or less
- Non-Missouri (US Single Operator QRP) – 5W or less
- Non-Missouri (Multi Operator) – Any legal power, multi/multi allowed
- Non-Missouri (Canada) – Any legal power, multi/multi allowed

### **2.5.4. DX Stations**

DX stations are from any entity on the ARRL DXCC Countries List excluding the United States, Canada, Alaska, and Hawaii. DX stations may work Missouri stations once per mode on each Band. DX stations may work Rover stations once per mode on each band for each county in which the rover station is located.

DX stations can operate any legal power. Single op or Multi Op is allowed.

### **2.5.5. Missouri Club Category**

Missouri stations may specify a club affiliation with their entry. Club scores will be determined by adding the scores of all Missouri stations that specify a particular club in their entry. At least three logs must be submitted to constitute a valid club entry. A club entry form is not required.

## **2.6. Exchange**

### **2.6.1. Missouri Fixed Stations**

Missouri Fixed stations will provide callsign, RST, and a three letter county code as defined in Table 1.

### **2.6.2. Missouri Rover Stations**

Missouri Rover stations will provide callsign with a suffix of “/M”, “/R”, “mobile” or “rover”, RST, and a three letter county code as defined in Table 1.

### **2.6.3. Non-Missouri Stations**

Non-Missouri stations will provide callsign, RST, and their US state (as defined in Table 2) or Canadian province or territory (as defined in Table 3).

### **2.6.4. DX Stations**

DX stations will provide callsign, RST, and the designation “DX”.

## **2.7. Miscellaneous Rules**

The following miscellaneous rules will apply:

1. As a condition of entry, participants are bound to the provisions and intent of these rules, and bound to the decisions of the contest sponsor regarding award distribution.
2. The use of spotting assistance or nets (operating arrangements involving other individuals, DX-alerting nets, packet clusters, etc.) not physically located at the station will be permitted.
3. Cross-band and cross-mode contacts will not be permitted.
4. Contacts through repeaters, digipeaters, and gateways will not be permitted.
5. Soliciting a simplex contact during the contest period will be permitted—stations may spot themselves via online spotting resources.
6. All call signs and exchange information will be sent, received, acknowledged, and logged correctly by each station for a complete QSO. A valid contact will be a complete QSO that is not a duplicate based on the restrictions defined in paragraph 2.5.
7. Missouri and Rover stations will receive one DX multiplier if at least one DX entity is worked. Multiple DX contacts will receive only one DX multiplier.
8. Satellite contacts are prohibited.
9. Mobile is a station that is self-contained and capable of legal motion (street, water, or air) while operating, motion optional.
10. All Missouri Mobile stations – Operations where one person operates and does all driving will be scored as a Single-Op. Operations where one person operates and a 2<sup>nd</sup> person drives or operates will be scored as a Multi-Op.
11. Missouri stations should call CQ Missouri QSO Party or CQ MOQP.
12. Stations calling Missouri should call CQ Missouri or CQ MO.
13. Any digital mode contact counts as a valid QSO for digital. You can only work the same digital station once per band. (This prevents working the same station on a band via multiple digital modes.)
14. Single operator stations may only have one transmitted signal at a time.

## **2.8. Special Event Station**

The BEARS-St. Louis will operate a special event station, WØMA as part of the contest. A

one-time (first QSO only) 100-point bonus will be added to the total score of stations working the special event station. WØMA is normally located in St. Louis County (SLC), but the station may operate portable in a different Missouri county for the QSO party.

## **2.9. Score**

The score for a participating station will be determined by multiplying the total number of valid contact points, by the total number of multipliers worked, plus the bonus if applicable.

### **2.9.1. Points**

Points for valid contacts will be awarded in the following manner:

1. Valid phone contacts count one point each.
2. Valid CW contacts count two points each.
3. Valid digital contacts count two points each.
4. At least one valid contact with the WØMA special event station will count as a single 100-point bonus added to the total score.
5. A 100 point bonus will be awarded for successfully submitting a Cabrillo log electronically.

### **2.9.2. Multipliers**

Multipliers will be awarded in the following manner:

1. The multipliers for Missouri Fixed and Rover stations are Missouri counties (115 maximum), US states (49 maximum), and Canadian provinces and territories (13 maximum) worked. An additional multiplier of the value of one will be added if at least one DX station is worked.
2. The multipliers for Non-Missouri and DX stations are Missouri Counties (115 maximum) worked.

## **2.10. Reporting and Submissions**

a) Entries must be submitted to the contest sponsor within 30 days after the conclusion of the contest. No late entries will be accepted. A complete entry will consist of one of the following in order of preference:

1. Cabrillo format (no Summary Sheet required) – E-mailed or sent on CD or other digital media thru postal mail.
2. Logs in other digital format– Summary Sheet required – E-mailed or sent on CD or other digital media thru postal mail.
3. Paper log entry – Summary Sheet required – sent to WØMA

b) All logs generated electronically, must be submitted electronically.

c) Incomplete or illegible entries will be classified as check-logs. Non-Cabrillo entries without a summary sheet will be scored as check-logs.

d) An example of the official summary sheet is supplied in Appendix A or it can be downloaded from the BEARS-St. Louis web site at <http://www.w0ma.org>. The log of contacts must show time, band, mode, and full exchange for each QSO.

e) E-mail entries to: [moqsoparty@w0ma.org](mailto:moqsoparty@w0ma.org) or send submittals to the following address:

Boeing Employees' Amateur Radio Society WØMA  
c/o George Mackus, ABØRX  
11841 Wexford Place Drive  
Maryland Heights, MO 63043 USA

f) Official results will be published on the BEARS-St. Louis web site approximately 90 days after entry submittal deadline.

### **3. AWARDS**

#### **3.1. Winners**

Plaques will be awarded (if sponsored) for first place scores (with 50 or more points) in each of the following categories:

- Missouri Fixed Multi-Op
- Missouri Fixed Single-Op HP
- Missouri Fixed Single-Op LP
- Missouri Fixed Single-Op QRP
- Missouri Mobile Single-Op LP
- Missouri Mobile Single-Op LP CW Only
- Missouri Mobile Single-Op LP SSB-Only
- Missouri Mobile Multi-Op (LP)
- Missouri Mobile Unlimited
- Missouri Expedition
- Highest Digital score
- Highest Number of Counties
- Non-Missouri US Single Operator HP
- Non-Missouri US Single Operator LP
- Non-Missouri US Single Operator QRP
- Non-Missouri US Multi-Op
- Non-Missouri Highest Digital score
- DX

Certificates will be awarded for first place scores in each of the following categories:

- Missouri Expedition Multi-Op
- Missouri Expedition Single-Op HP
- Missouri Expedition Single-Op LP
- Missouri Expedition Single-Op QRP
- Missouri Clubs
- Missouri Schools
- Missouri VHF
- Each US State
- Each Canadian Province and territory
- Non-Missouri VHF
- Canada
- Winners of Unsponsored Plaques

Certificates will be awarded for the second place scores in each of the following categories:

- Missouri Fixed Multi-Op
- Missouri Fixed Single-Op HP
- Missouri Fixed Single-Op LP
- Missouri Fixed Single-Op QRP

- Missouri Mobile Single-Op LP
- Missouri Mobile Single-Op LP CW Only
- Missouri Mobile Single-Op LP SSB-Only
- Missouri Mobile Multi-Op (LP)
- Missouri Mobile Unlimited
- Missouri Expedition Multi-Op
- Missouri Expedition Single-Op HP
- Missouri Expedition Single-Op LP
- Missouri Expedition Single-Op QRP
- Highest Digital
- Highest Number of Counties
- Non-Missouri US Single Operator HP
- Non-Missouri US Single Operator LP
- Non-Missouri US Single Operator QRP
- Non-Missouri US Multi-Op
- Each US state
- Canada
- Each Canadian province and territory
- DX
- Missouri clubs
- Missouri VHF

Non-Missouri VHF Additional certificates may be awarded at the discretion of the contest sponsor.

### **3.2. Missouri QSO Party Certificate**

Awarded to stations who spell “Show Me” using the suffixes of selected 1x1 calls listed on the MOQP web site. Special Event Station WOMA counts as a wild card and may be used in place of one missing letter.

Example: n0S w0H k0O n0W k0M n0E

All “Show Me” certificates are provided via email.

### **3.3. Tie-Breakers**

Should more than one station attain the same score, the station with the most Missouri counties worked will be awarded the higher position. The highest number of MO counties plaques and certificates will be awarded based on QSO times of the last county worked.

### **3.4. Digital awards**

The digital mode plaques and certificates will be awarded to stations with the most digital QSOs multiplied by the most multipliers worked digitally. Entries do not have to be digital only entries and logs may also include non digital contacts.

**Table 1: Missouri County Listing.**

COUNTY	CODE	COUNTY	CODE	COUNTY	CODE
Adair	ADR	Henry	HEN	Pike	PIK
Andrew	AND	Hickory	HIC	Platte	PLA
Atchison	ATC	Holt	HLT	Polk	POL
Audrain	AUD	Howard	HOW	Pulaski	PUL
Barry	BAR	Howell	HWL	Putnam	PUT
Barton	BTN	Iron	IRN	Ralls	RAL
Bates	BAT	Jackson	JAC	Randolph	RAN
Benton	BEN	Jasper	JAS	Ray	RAY
Bollinger	BOL	Jefferson	JEF	Reynolds	REY
Boone	BOO	Johnson	JON	Ripley	RIP
Buchanan	BUC	Knox	KNX	Saline	SAL
Butler	BTR	Laclede	LAC	Schuyler	SCH
Caldwell	CWL	Lafayette	LAF	Scotland	SCT
Callaway	CAL	Lawrence	LAW	Scott	SCO
Camden	CAM	Lewis	LEW	Shannon	SHA
Cape Girardeau	CPG	Lincoln	LCN	Shelby	SHL
Carroll	CRL	Linn	LIN	St. Charles	STC
Carter	CAR	Livingston	LIV	St. Clair	SCL
Cass	CAS	Macon	MAC	St. Francois	STF
Cedar	CED	Madison	MAD	St. Genevieve	STG
Chariton	CHN	Maries	MRE	St. Louis City	STL
Christian	CHR	Marion	MAR	St. Louis County	SLC
Clark	CLK	McDonald	MCD	Stoddard	STD
Clay	CLA	Mercer	MER	Stone	STN
Clinton	CLN	Miller	MIL	Sullivan	SUL
Cole	COL	Mississippi	MIS	Taney	TAN
Cooper	COP	Moniteau	MNT	Texas	TEX
Crawford	CRA	Monroe	MON	Vernon	VRN
Dade	DAD	Montgomery	MGM	Warren	WAR
Dallas	DAL	Morgan	MOR	Washington	WAS
Daviess	DVS	New Madrid	NMD	Wayne	WAY
DeKalb	DEK	Newton	NWT	Webster	WEB
Dent	DEN	Nodaway	NOD	Worth	WOR
Douglas	DGL	Oregon	ORE	Wright	WRT
Dunklin	DUN	Osage	OSA		
Franklin	FRA	Ozark	OZA		
Gasconade	GAS	Pemiscot	PEM		
Gentry	GEN	Perry	PER		
Greene	GRN	Pettis	PET		
Grundy	GRU	Phelps	PHE		
Harrison	HAR				

**Table 2: State Listing.**

State	CODE
Alabama	AL
Alaska	AK
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
Florida	FL
Georgia	GA
Hawaii	HI
Idaho	ID
Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY

State	CODE
Louisiana	LA
Maine	ME
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Ohio	OH

State	CODE
Oklahoma	OK
Oregon	OR
Pennsylvania	PA
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY

Note: "Maryland" includes the District of Columbia.

**Table 3: Canadian Provinces and Territories Listing.**

Province/ Territory	CODE
Ontario	ON
Quebec	QC
Nova Scotia	NS
New Brunswick	NB
Manitoba	MB
British Columbia	BC
Prince Edward Island	PE
Saskatchewan	SK
Alberta	AB
Newfoundland and Labrador	NL
Northwest Territories	NT
Yukon	YT
Nunavut	NU



## 2015 Missouri QSO Party Summary Sheet

Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_  
 Address: \_\_\_\_\_ State / Province / DX: \_\_\_\_\_  
 \_\_\_\_\_ Missouri County: \_\_\_\_\_  
 \_\_\_\_\_ MO Club Affiliation: \_\_\_\_\_  
 Email: \_\_\_\_\_

Entry Class:

- |   |  |
|---|--|
| <input type="checkbox"/> DX                             | <input type="checkbox"/> Missouri Mobile (Single Op LP)          |
| <input type="checkbox"/> Missouri Fixed (Single Op HP)  | <input type="checkbox"/> Missouri Mobile (Single Op LP CW Only)  |
| <input type="checkbox"/> Missouri Fixed (Single Op LP)  | <input type="checkbox"/> Missouri Mobile (Single Op LP SSB Only) |
| <input type="checkbox"/> Missouri Fixed (Single Op QRP) | <input type="checkbox"/> Missouri Mobile (Multi Op LP)           |
| <input type="checkbox"/> Missouri Fixed (Multi Op)      | <input type="checkbox"/> Missouri Mobile (Unlimited)             |
| <input type="checkbox"/> Non-Missouri (Single Op HP)    | <input type="checkbox"/> Missouri Expedition (Single Op HP)      |
| <input type="checkbox"/> Non-Missouri (Single Op LP)    | <input type="checkbox"/> Missouri Expedition (Single Op LP)      |
| <input type="checkbox"/> Non-Missouri (Single Op QRP)   | <input type="checkbox"/> Missouri Expedition (Single Op QRP)     |
| <input type="checkbox"/> Non-Missouri (Multi Op)        | <input type="checkbox"/> Missouri Expedition (Multi Op)          |
| <input type="checkbox"/> Non-Missouri (Canada)          |  |

Point and Multiplier Calculations:

<u>Mode</u>	<u>QSOs</u>		<u>Points</u>		<u>Multipliers</u>
Phone	_____	x 1	_____		MO Counties _____
CW	_____	x 2	_____		US States * _____
Digital	_____	x 2	_____		Canadian Prov & Terr * _____
					DX (1 Only) * _____
	<b>Total QSO Points</b>		=====		
	Total QSO Points x		↓		
Sub Total	Total Multipliers		=====	←	Total Multipliers _____

\* for Missouri Stations only

Special Event Bonus 100 pts \_\_\_\_\_  
 Log in Cabrillo format bonus 100 pts \_\_\_\_\_  
  
 Claimed Score \_\_\_\_\_

This is to certify that in this contest that I have operated my transmitted within the limitations of my license and that I have observed the rules and regulations of the contest.

Signature: \_\_\_\_\_

Send completed summary sheet and logs to:  
 Boeing Employees' Amateur Radio Society WØMA  
 c/o George Mackus, ABØRX  
 11841 Wexford Place Drive  
 Maryland Heights, MO 63043  
 USA

Or via E-mail: [moqsoparty@w0ma.org](mailto:moqsoparty@w0ma.org)