

Manitoba ARES CANWARN Program

JEFF DOVYAK VE4MBQ
WINNIPEG ARES EC
CAPITAL REGION DEC
MANITOBA A/SEC
2023
VE4MBQ@RAC.CA

Activation

Can be any of:

- Severe Weather Forecaster PASPC
- On-Call CANWARN Net Controller
- CANWARN District Representative

■ Seasonal Activations:

- 2018 3 Nets 2-9 hours duration
- 2017 3 Nets, 1-6 hours duration
- 2016 6 Nets, 1.5-4 hours duration
- 2015 11 Nets, 0.75 to 6 hours duration
- 2007 15 Nets - Including F-5 Tornado in Elie

Net Operation

Closed, directed 2m Net

VE4WWO is Net Control Station

Callsigns phonetically, with location

May or may not call for check-ins (depends on Alert condition, NCS judgment)

ARES Net Controller usually* on call 0930-2130h daily Victoria Day to Labor Day

- With the recent PASPC move that time period will likely be different in 2023

PASPC staff to contact WPGARES Duty Coordinator if Net req'd between Labor Day & Victoria Day

Net Operation con't

Loss of communications:

Follow local plan, or

Report by phone _____

Try HF: 40 m 7.070 MHz LSB **Day**

80m 3.760 MHz LSB **Eve**

Public Number is 1-800-239-0484

CANWARN Controllers

On-Call Controller previously had numeric pager & PASPC parking pass

- Paging networks now defunct
- Uncertainty regarding parking and new location

Historically ~ 15 Winnipeg & 1 Portage ARES members have covered WWO

34 weeks on-call (17 wks DAY, 17 wks EVE)

Net controllers **must** be ARES members

- Display ARES photo ID when on duty at VE4WWO
- Can't utilize strangers in a gov't office, leadership must know their operators
- Security Clearances were required as of 2007

VE4WWO Equipment

VHF & HF Station:

FT-1900R, DCI Filter & PS to $\frac{1}{4}$ Wave Omni

FT-1500, DCI Filter, PS & Ant Switch to:

- Single Bay Omni (Sinclair Folded Dipole) on the roof
- 3 element beam (Cushcraft A148-3S) pointing at CDN

IC-718 & PS to HF Vertical (Comet CHA-250B XII) on roof now (used to be a wire dipole at old location)

Green Alert

Severe Weather Watch

Will take Spotter check-ins

May allow non-net traffic during quiet periods

Yellow Alert

Severe Weather Warning or Tornado Watch

No check-ins, only stations with reports of:

Hail

Damaging Winds

Wall Clouds

Funnel Clouds

Tornados

Unusual Wx Events

- Strange cloud formations
- Roll clouds

Red Alert

Tornado Warning

No check-ins, only reports of:

Wall Clouds

Funnel Clouds

Tornados

Local ARES group should be on alert

(phone tree or radio alerts)

Summer Reports

Summer reports should focus on:

Any tornadic event or funnel cloud

Rotating wall cloud

Shelf Cloud

Hail > 20mm (5 cent piece)

Winds > 90 Km/h

Rain > 50mm/h or > 75 mm 2-3 hrs

- Visibility reduced to less than ½ Km

Report by telephone if no Net in progress

Summer Reports con't

Be mindful that the Net Controller will be filling out a **Severe Wx Event Log** and needs to record:

Date, Time, Callsign, Location

Specific info depending on what's being reported

- Tornado 5 items
- Hail 5 items
- Wind 4 items
- Rain 4 items

SEVERE WEATHER EVENT LOG - SUMMER



ALBERTA	SASKATCHEWAN	MANITOBA
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DATE: _____ TIME: _____ (MDT, CST, CDT)
 NAME OF CALLER: _____ PHONE NUMBER: _____
 WATCHER MEDIA CANWARN OTHER
 LOCATION OF EVENT: _____
 TIME OF EVENT: _____

INFORMATION

TORNADO/FUNNEL CLOUD/SPINNING CLOUDS (CIRCLE)
 FUNNEL TOUCHING GROUND? YES NO
 DIRECTION/SPEED OF MOTION? _____
 SIZE/SHAPE? _____ DURATION? _____
 REMARKS/DAMAGE? _____

TORNADO

HAIL SIZE? (DIAMETER) _____ ESTIMATED/MEASURED?
 (PEA, MARBLE, GRAPE, WALNUT, GOLF BALL, ETC.)
 AMOUNT? _____ DURATION? _____
 REMARKS? _____

HAIL

WIND SPEED? _____ ESTIMATED/MEASURED?
 DIRECTION? _____ DURATION? _____
 REMARKS/DAMAGE? _____

WIND

RAIN AMOUNT? _____ ESTIMATED/MEASURED?
 DURATION? _____
 REMARKS/FLOODING? _____

RAIN

REPORTED TO? _____
 OVER FOR MORE QUESTIONS, IF NECESSARY

Winter Reports

Winter reports should focus on:

Low Visibility (< 1 km Snow, < ½ km Fog)

Freezing Rain or Freezing Drizzle or Ice Pellets

Snowfall accumulations > 5 cm

Rain that changes to Snow or Freezing Rain

Please pass on reports of power outages or dangerous road conditions

Generally no CANWARN Net, report by telephone

Consider MMWX Net & CoCoRaHS Participation

District Representatives

BRANDON

???

DAUPHIN

Tony Duchscherer?, ??

INTERLAKE

Jim McKinley, Jim Townsend

SELKIRK

Ron Williscroft ?, ??(?)

PORTAGE

Bill Boskwick, Andrew Webb

NORTH EASTMAN

Dave Place (?), ??

PINAWA

Grant Delaney

SOUTH-CENTRAL

Gord Snarr, Orlando Penner, ?

WINNIPEG

Jeff Dovyak, Glen Napady,

District Repeaters (Normal Circumstances)

BRANDON

VE4TED-VE4MAN link*

DAUPHIN

IRLP VE4SRR

INTERLAKE

VE4GIM, VE4SLK

SELKIRK

VE4SLK alt VE4ARS

PORTAGE la PRAIRIE

VE4PTG via VE4MAN link*, alt
VE4RAG

NORTH EASTMAN

VE4SLK

PINAWA

VE4MIL or IRLP VE4PIN

SOUTH-CENTRAL

VE4CDN

WINNIPEG

VE4WPG alt VE4ARC

alt VE4ARS

“Out of Season” & Unusual Conditions

PASPC WPM & Wx Centre shift staff have contact info for:

WPGARES Duty Coordinator

CANWARN Spotters by region/district

WPM has contact info for:

MMWX Net Manager & MEPN Manager

Summary

>150 Spotters \geq 40 communities

VHF Operation with HF back-up

3 Activation scenarios

On-call Net Controller for VE4WWO

avail 12 h daily Victoria Day to Labor Day

Net Controllers shortage is now mission critical

3 Alert Conditions, don't always ask for check-ins

Spotters Should Report by telephone if no Net

On-Line Resources

Environment Canada's Weather office site

www.weather.gc.ca

NWS Spotter Field Guide:

<https://www.weather.gov/media/oun/spottertraining/basicspotterguide.pdf>

Significant Wx Discussion "FOCN45"

<http://kamala.cod.edu/Canada/latest.focn45.CWWG.html>

Winnipeg ARES

www.winnipegares.ca

CoCoRaHS

<http://www.cocorahs.org/Canada.aspx>