Manitoba ARES CANWARN Program

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Activation

Can be any of:

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

Seasonal Activations:

2016 **6 Nets**, 1.5-4 hrs duration
2015 **11 Nets**, 0.75 to 6 hours duration
2014 **4 Nets**, 1 to 4 hours duration
2013 **12 Nets**, 1.5 to 7 hours duration
2012 **8 Nets**
2011 **6 Nets**
2010 **11 Nets**
2009 **7 Nets**
2008 **8 Nets**
2007 **15 Nets** - Including F-5 Tornado in Elie
2006 **18 Nets**

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 week before Victoria Day to week after Labor Day
- 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 **1-800-xxx-xxxx** or on MTS Mobility #xxxx
- 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 has numeric pager & PASPC parking pass
- 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 required as of 2007

VE4WWO Equipment

VHF & HF Station:

- FT-1900R, DCI Filter & PS to ¼ Wave Omni
- FT-1500, DCI Filter, PS & Ant Switch to:
  - Single Bay Omni on the roof
  - 3 element beam pointing at CDN
- IC-718 & PS to Dipole on roof

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

PRAIRIE & ARCTIC STORM PREDICTION CENTRE

INFORMATION

DATE: _____ TIME: _____ (MDT, CST, CDT)

NAME OF CALLER: _____ PHONE NUMBER: _____

WATCHER	MEDIA	CANWARN	OTHER

LOCATION OF EVENT: _____

TIME OF EVENT: _____

TORNADO

TORNADO/FUNNEL CLOUD/SPINNING CLOUDS (CIRCLE)

FUNNEL TOUCHING GROUND? YES NO

DIRECTION/SPEED OF MOTION? _____

SIZE/SHAPE? _____ DURATION? _____

REMARKS/DAMAGE? _____

HAIL

HAIL SIZE? (DIAMETER) _____ ESTIMATED/MEASURED?
(PEA, MARBLE, GRAPE, WALNUT, GOLFBALL, ETC.)

AMOUNT? _____ DURATION? _____

REMARKS? _____

WIND

WIND SPEED? _____ ESTIMATED/MEASURED?

DIRECTION? _____ DURATION? _____

REMARKS/DAMAGE? _____

RAIN

RAIN AMOUNT? _____ ESTIMATED/MEASURED?

DURATION? _____

REMARKS/FLOODING? _____

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**

Philip Friesen, ??

- **DAUPHIN**

Ray Pike, Tony Duchscherer,

- **INTERLAKE**

Jim McKinley, Jim Townsend

- **SELKIRK**

Ron Williscroft, Brad Bowman

- **PORTAGE**

Bill Boskwick, ???

- **NORTH EASTMAN**

Dave Place, Ed Evanko

- **PINAWA**

Garry Stokes, Grant Delaney

- **SOUTH-CENTRAL**

Gord Snarr, Jake Dyck, Orlando Penner

- **WINNIPEG**

Jeff Dovyak, Glen Napady, Norman Coull

District Repeaters (Normal Circumstances)

- **BRANDON**

VE4TED-VE4MAN link

- **DAUPHIN**

IRLP VE4SRR or VE4SIX

- **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 Weatheroffice site
www.weatheroffice.ec.gc.ca

Severe Weather Watcher Handbook
not currently available on-line

NOAA Spotter Reference Guide:
http://www.crh.noaa.gov/images/dmx/Spotter%20Reference%20Guide.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