

DRAFT
Operation Nanook
YARA's Communications Readiness Assessment

Background:

YARA held an initial planning meeting Feb 12th to discuss the Operation Nanook exercise in June. The scenario is a wildfire in the Carcross-Tagish area with possibilities of evacuations and an emergency hospital set up at the Canada Games Centre. YARA will be assisting with communications and message passing between the agencies involved at the designated locations.

This document is and an initial assessment of YARA equip and members' communications capabilities. The information will be used to develop training workshops and to ensure that appropriate equipment is available for the exercise.

What is required?

Locations: Carcross, Tagish, Canada Games Centre, EMO Building, Whitehorse Fire Hall #2, home stations/mobile/portable

Equipment capabilities:

Voice: cell phone, VHF voice (wide area), VHF voice (local), HF radio

Text: cell phone, computer, VHF (APRS, APRS-SMSGTE, APRSLink, PAT Raspberry Pi), HF (Winlink, PAT)

Email: smart phone, computer, VHF (APRSLink, Winlink), HF (Winlink), perhaps D-Star

Standard Reports: smart phone, computer, Winlink templates

Document transmittal: cell phone, computer, VHF Winlink, HF Winlink

Backup VHF repeaters:

Personal transportation:

Required Operators: minimum of 2 at each location, total minimum - 10

Required Operator Skills:

Voice message handling: informal, formal, technical

Net Control: coordinate informal and formal messaging handling

Text message handling: smart phone, APRS, APRS-SMSGTE

Email with attachments: smart phone, computer, Winlink (VHF, HF)

Document transmittal: PDF, Word, graphic, Winlink templates (VHF, HF)

Personal transportation readiness: full tank of gas,

Personal readiness kit: day pack (lunch, coffee, etc.), folding chair, ...

Current State of Readiness

Equipment

	Carcross	Tagish	EMO	Mobile Hospital	Games Centre	Fire Hall #2
Worktable/desk	No	No	Yes	No	No	?
Paper, pens, etc.	No	No	Yes	No	No	?
Washroom facility	Yes	?	Yes	Yes	Yes	?
Backup Power	No	No	?	?	?	?
Backup repeater in range	?	?	?	?	?	?
Computer	No	No	Yes	No	No	?
Printer	No	No	Yes	No	No	?
Smart Phone			Yes			?
Headsets & mic	No	No	Yes	No	No	?
VHF voice radio	No	No	Yes	No	No	?
VHF Antenna & coax			Yes	No	No	?
APRS radio	No	No	Yes	No	No	?
VHF Winlink capable	No	No	No	No	No	?
HF Antenna & coax			Yes	No	No	?
HF voice radio	No	No	Yes	No	No	?
HF Winlink capable	No	No	Yes	No	No	?

Participating YARA Operators (tentative): - 15

Carcross	VY1DM, VY1CSZ
Tagish	VY1GHR, VY1MAP, VY1RF?
Canada Games Centre	VY1PJB, VY1MG
Mobile Hospital	VY1CC, VY1KX, VY1JC
Whitehorse Fire Hall #2	VY1MB, VY1GP, VY1RT
EMO	VY1JY, VY1SW?
Backup, flexible	?
Trainees, observers, and non-licenced participants	?

YARA Operators' Equipment Readiness and Availability:

Location	CC	CC	Tagish	Tagish	Tagish	CGC	CGC	EMO	EMO
Operator	VY1DM	VY1CSZ	VY1GHR	VY1MAP	VY1RF	VY1MG	VY1PJB	VY1JY	VY1SW
Smart phone	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VHF voice radio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HF voice Radio	No	Yes	No	No	Yes	No	No	No	No
HF antenna and coax									
APRS capable radio	No	No	No	No	No	No	No	No	No
VHF Winlink capable radio	No	No	No	Yes	Yes	No	No	No	No
HF Winlink capable radio	No	No	No	No	No	No	No	No	No
Spare power/ backup power									
Personal transportation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Personal kit inventory									

Location	Hospital	Hospital	Hospital	FH #2	FH #2	FH #2	?	?	?
Operator	VY1CC	VY1KX	VY1JC	VY1GP	VY1MB	VY1RT	VY1??	VY1??	VY1??
Smart phone	Yes	No	Yes	Yes	Yes	Yes			
VHF voice radio	Yes	Yes	Yes	Yes	Yes	Yes			
HF voice Radio	No	Yes	No	Yes	Yes	Yes			
HF Antenna and coax				Yes					
APRS capable radio	No	Yes	No	No	No	No			
VHF Winlink capable radio	Yes	No	No	Yes	No	No			
HF Winlink capable radio	No	Yes	No	Yes	No	No			
Spare power/ backup power				Yes					
Personal transportation	No	No	No	Yes	No	No			
Personal kit inventory				Yes					

YARA Operator Skills and Readiness:

Location	CC	CC	Tagish	Tagish	Tagish	CGC	CGC	EMO	EMO
Operator	VY1DM	VY1CSZ	VY1GHR	VY1MAP	VY1RF	VY1MG	VY1PJB	VY1JY	VY1SW
Smart phone messaging	Yes	Yes				Yes	Yes	Yes	Yes
Voice message handling	No	No	No	No	No	No	No	No	No
APRS messaging	No	No	No	No	No	No	No	No	No
ARPS-SMSGTE messaging	No	No	No	No	No	No	No	No	No
Winlink email handing	No	No	No	No	No	No	No	No	No
Winlink file transfer / templates	No	No	No	No	No	No	No	No	No
Personal kit inventory									
Personal transportation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Location	Hospital	Hospital	Hospital	FH #2	FH #2	FH #2	?	?	?
Operator	VY1CC	VY1KX	VY1JC	VY1GP	VY1MB	VY1RT	VY1??	VY1??	VY1??
Smart phone messaging	Yes		Yes	Yes	Yes	Yes			
Voice message handling	No	No	No	No	No	No			
APRS messaging	Yes	No	No	Yes	No	No			
ARPS-SMSGTE messaging	Yes	No	No	Yes	No	No			
Winlink email handing	No	No	No	Yes	Yes	No			
Winlink file transfer / templates	No	No	No	Yes	No	No			
Personal kit inventory				Yes					
Personal transportation	Yes	Yes	Yes	Yes	Yes	Yes			

What more is needed?

Equipment required to overcome deficiencies for each location:

	Carcross	Tagish	EMO	Mobile Hospital	Games Centre	Fire Hall #2
Worktable/desk	Yes	Yes	No	Yes	Yes	?
Paper, pens, etc	Yes	Yes	No	Yes	Yes	?
Washroom facility			No			?
Backup Power	Yes	Yes	No	Yes	Yes	?
Backup repeater range						?
Computer	Yes	Yes	No	Yes	Yes	?
Printer	Yes	Yes	No	Yes	Yes	?
Smart Phone	Yes	Yes	No	Yes	Yes	?
VHF voice radio	Yes	Yes	No	Yes	Yes	?
VHF Antenna & coax	Yes	Yes	No	Yes	Yes	?
APRS radio	Yes	Yes	No	Yes	Yes	?
VHF Winlink capable	Yes	Yes	No	Yes	Yes	?
HF Antenna & coax	Yes	Yes	No	Yes	Yes	?
HF voice radio	Yes	Yes	No	Yes	Yes	?
HF Winlink capable	Yes	Yes	No	Yes	Yes	?

Training/Workshops: (some may be combined in one session)

Topic	Date & Location	Participants
Voice message handling		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT
Smart phone messaging		
APRS messaging		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT
ARPS-SMSGTE messaging		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT
Winlink email handing		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT
Winlink templates		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT
Personal kit inventory		VY1DM, VY1CSZ, VY1GHR, VY1MAP, VY1RF, VY1MG, VY1PJB, VY1JY, VY1SW, VY1CC, VY1KX, VY1JC, VY1GP, VY1MB, VY1RT

Additional comments: