

Taranaki Police SAREX Report

Te Wera

6th- 8th November 2020

Overview

Taranaki regularly hold their SAREX (Land) over the first weekend in November. This year it was based at the Te Wera Valley Lodge on State Highway 43, approximately 30 mins inland from Stratford.

The SAREX was coordinated and planned between Police and LandSAR, but unlike previous events this year the training involved a series of modular field sessions and three scenarios which were delivered by subject matter experts brought in from outside the area. The model for the event was based on the Central North Island SAREX held at Lochinver Station in September 2020.

Objectives

1. To allow assessment against the competencies by SMEs/Assessors of the Field Team Member competencies.
2. To give team members the opportunity to revise skills in search methods, tracking, navigation, VHF radio communications, first aid, stretcher and rope management.
3. To give IMT members the opportunity to utilise SARTrack and establish an ICP.
4. To allow IMT roles assessment against the current or future IMT competencies
5. That the IMT is measured against NZSAR response guidelines
6. Maximise skills uptake or reinforce learnings for field team members to maintain response readiness

Attendees at the SAREX were given the opportunity to take part in four skills based sessions and one scenario session. There was a wide range of experience in attendees, with some attending a SAREX for the first time through to experienced practitioners. These mixed groups allowed for learning both from SME's as well as from within the groups.

There was little time to allow for formal assessment against LandSAR competencies and so this objective (1 and 4) was not met but instead the competencies were covered, and skills built on within the group setting.

All other objectives were met.



Attendance

The weekend was well attended, with approximately 45 people involved over the weekend. Attendees came from Taranaki LandSAR, Ruapehu LandSAR, AREC and NZ Police. Four instructors/SME's from out of the area were provided by LandSAR Training.



Programme

Friday Evening:

An excellent talk and discussion on Investigative Interviewing was presented by Sgt Bruce Irvine. This was well received by all who were able to attend and the learning was put in place the following day by those who had to “extract” information from informants for the scenarios on Saturday.

This module was followed by some valuable social time.

Saturday:

Participants were broken up into 8 mixed ability field teams and an IMT group. Field teams completed modules in Navigation, Search Methods, Stretcher and Rope Management and a scenario.

Hot debriefs occurred during the day following each module and scenario so that lessons learnt could be incorporated on as the day progressed, rather than at the end of the weekend.

The IMT was able to include any learning and improvements into the following scenario which led to an enhanced performance as the day went on. Roles that each participant had within the IMT rotated so that participants could build on their skills and knowledge within varying scenarios.

The use of a dog team in two of the scenarios, and a FENZ drone in the third, ensured that the IMT and field teams were adaptable and innovative.

Sunday:

The overnight field component and clue processing had to be cancelled due to significant rainfall on Saturday evening. This was replaced by some short modules covering off hypothermia patient management, footprint management and recording, radio messaging and notebooks, and circle sign cutting.

Overall Feedback

Participants and directing staff were given the opportunity for feedback on the weekend during a hot debrief prior to departure.

Team Leaders commented on:

- how they benefited from working with a dog handler and opportunities to further develop this
- the training involved a variety of landscapes (farm, bush, and tracks) which provided fantastic learning opportunities
- excellent instruction from SME's
- use of the drone and the opportunity and restrictions it has for taskings
- the opportunity to build relationships and skill set with new members

IMT commented on:

- a great opportunity to try new deployment of the drone and also refresh around deployment of SAR dogs
- excellent feedback from SME/instructor and the implementation of new forms that assist in getting better flow in the IMT
- great comms from AREC
- the need for improved use of whiteboards

- SARTrack was a great resource and there is opportunity to use it to better capture information relevant to each function

LandSAR Trainers commented on:

- Excellent communication within teams
- Seeing mixed ability teams working well together and excellent coaching through the relevant competencies
- A good field understanding of the IMT intent by way of clear and thorough GSMEAC briefings
- The need for further development around Patient Care
- IMT taking on lessons learnt and practicing new learning in the following scenarios
- Some systems out of date but new forms incorporated and used



Recommendations

- New forms were introduced to the IMT and built on over the three scenarios. These forms, being an adaption of the IAP, Missing Persons, and LandSAR Tasking Sheets, should now be incorporated and used in SAR incidents going forward
- The IMT and teams need to adapt and become familiar with working with a SAR dog now that one is immediately available in the area
- There is a need for some refresher and familiarisation with CIMS4
- IMT members would benefit from spending some time in field teams to better understand the capability of field team members
- The delivery from SME's ensure that Taranaki SAR is not operating in a silo. Planning for future events should aim to include lessons learnt or input from SAR groups outside Taranaki.

TARANAKI POLICE AREA

SAREX TE WERA 2020

Exercise Plan

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Overview

Taranaki LandSAR and Police will conduct an annual SAREX involving all group’s personnel available for a two-day combined exercise and training event. The purpose of this event is to exercise IMT and Field members and upskill and assess abilities with external SME’s providing training, skills assessment against the competencies and/or feedback.

Location

This year's SAREX will be based at Te Wera Valley Lodge Campground, 37km (30 mins drive) east of Stratford on SH 43. Te Wera Lodge will be the base for IMT and catering while several neighbouring farm properties and a forest block will be used for scenarios and exercises.

Objectives

- To allow assessment against the competencies by SMEs/Assessors of the Field Team Member competencies.
- To give team members the opportunity to revise skills in search methods, tracking, navigation, VHF radio communications, first aid, stretcher and rope management.
- To give IMT members the opportunity to utilise SARTrack and establish an ICP.
- To allow IMT roles assessment against the current or future IMT competencies
- That the IMT is measured against NZSAR response guidelines
- Maximise skills uptake or reinforce learnings for field team members to maintain response readiness

Friday Program

- Set up on site
- Establishment of the Directing Staff (DS), SARTrack, Optus and ICP as required
- Briefing for all Competency Assessors
- Shared meal and social catch up
- Investigative Interviewing Module

Saturday Program *(for full details see page 13)*

- Formation of Field Teams for the weekend
 - Teams of 3-4 people per team
 - Teams numbered consecutively from 01 upwards.
 - Teams will be grouped into Instruction/Assessment groups as follows:
 - Group A – Teams 1, 2, 3
 - Group B – Teams 4, 5, 6
 - Group C – Teams 7, 8, 9

Activity 1	Nav	GPS Navigation – Garmin CSX60, S62, ST64
Activity 2	SM	Mobile Unresponsive Search Methods – Purposeful Wander
Activity 3	SLL	Sound Line. Sound Sweep
Activity 4	SRM	Basic First Aid and Stretcher and Rope management
Activity 5	Clue Pro	Clue site processing – Car with placed receipt per individual team campsite.

	0930-1100	1100-1230	1300-1430	1430-1600	1700-1830	1830-2000
IMT	Scenario 1		Scenario 2		Scenario 3	
Group A (field)	Scenario 1		Nav	SM	TaC	SRM
Group B (field)	Nav	SM	Scenario 2		SRM	TaC
Group C (field)	SM	Nav	TaC	SRM	Scenario 3	

Each field session will consist of two sessions of 90 minutes (3 hours total) and 30 minutes between blocks to move to next session/training block location. Refresh and sustainment can occur during this time.

Sunday Program (for full details see page 14)

	0630-0730	0730-0830	0845	0900	0930	1000
IMT	IMT review and debrief	IMT pack down	Debrief	BBQ brunch	Pack up /clean up	Departed by
Group A (field)	Clue Pro 1	Clue Pro 2				
Group B (field)	Clue Pro 1	Clue Pro 2				
Group C (field)	Clue Pro 1	Clue Pro 2				

Sunday Clue-site processing will occur in two stages.

Session one commencing at 0630 and be conducted around Vehicle sites. This will end at 0730.

Session two commences 0730 and be Camp Site processing and with a receipt dropped. This will end at 0830.

Team Composition

Directing Staff This will be a group of pre-determined people who will assist with Set-up, meals, assist Logistics Manager and event manager on the day. This group will be responsible for pre-organising teams of registered Field Team members, Missing Persons and Informants in scenarios, assisting with any transportation to scenario sites or module sites. This group will also assist in any other reasonable tasks assigned to aid the SAREX.

IMT Make-up will be as required and dictated by the DS to allow assessment and observation for each competency subject as per provided competency assessment sheets. Preferably, the personnel will revolve through roles to allow uptake of learnings as well as assessment to the competencies. Administration Unit will be as per local requirements and is expected to work seamlessly alongside the IMT roles. This will be broadly overviewed for efficiency and areas of improvement where applicable by SME/Assessor and senior local members.

Field teams

As per local norms for callouts but recommended 3 person teams who are combined into an Instruction Group of no more than 5 three person teams per group.

Those registered to attend the SAREX will be made into combined teams prior to arrival on Friday and the team lists displayed by the Organising Team to allow for Team familiarisation and forming prior to the SAREX commencement on Saturday morning. Unregistered Field Team Members/Neighbouring Field Team Members will be allocated into teams and mixed into local teams to allow further familiarisation of other groups members and skills.

It is for the local organisation as to whether they wish to “test” new or developing Team Leaders or utilise existing Team Leaders.

Instruction Groups

Each LandSAR provided SME/Instructor/Assessor is expected to have **groups** no larger than 5 x 3 person teams. The group will stay with the LandSAR Instructor for the duration including the Scenario phase to allow the LandSAR instructor to mentor/assess to provide feedback on the search phase as well as the various tasks.

LandSAR Instruction and Assessment Individuals

This is to comprise of holders of NZQA 4098, accredited subject Instructors or SME’s proficient and competent and Current in the requisite competencies being assessed.

The LandSAR Instructional/Assessment team will convene Friday afternoon and review all facets of the weekend ensuring fairness, consistency and familiarity with the requirements and recording process to ensure maximum benefit for all SAREX participants.

Search Activities

Missing person scenarios 3 x on Saturday

The SAREX will consist of three separate missing party scenarios using 1 Missing Subject per Scenario for each during the Saturday allow teams to conduct a “Search” designed to practice and demonstrate knowledge of key skills.

By conducting three separate search scenarios for the search teams throughout the day, this will allow the IMT and Field Teams to practice the skills and competencies they would encounter during a Search and Rescue operation.

Timings of the search scenarios will allow each team **3 hours** to complete their search task and will be arranged so once they have completed their scenario, they will then enter a “round robin” learning and skills demonstration with SME’s who will provide assessment against competencies.

Time should be made to Debrief the Team and IMT following the Scenarios and before the start of the next activity.

Scenario 1

Overview of each scenario – full details refer Appendices.

Duration *3 hours total including brief and debrief*

Missing Forestry Worker out marking trees for future harvest. Vehicle left at site. Timing for radio contact was not met by Missing Person. As no one was logging in the area missing person was seen putting earbuds in just as he set off on task.

Informant Joe Foreman
Age 39
Address: 43 Miranda Street, Stratford
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Buster Gangs
Age: 26
Wearing: As volunteer is wearing on day
Last seen 4 hours prior
Family At home – informed but worried.
Media: At Base inquiring and photographing
LKP To be provided but within access to forestry road with bush edge.
Injuries/found state: Leg entrapment and concussion

Refer details sheet in addendum 4 for full scenario details

Scenario 2

Duration *3 hours total including brief and debrief*

Missing Pest Controller

Informant Work mate
Informant Name Michael S Hooter
Age 63
Address: 4 Brookes Street, Inglewood
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Phillip Dearsly
Age: 56
Wearing: As volunteer is wearing on day
Last seen 0700 at vehicle
Cell-phone Number To be provided
Family Wife
Media: At Base inquiring and photographing
LKP To be provided but within access to waterway with bush edge.
Injuries/found state: Possible cyanide poisoning – has pills.

Refer details sheet in addendum 4 for full scenario details

Scenario 3

Duration *3 hours total including brief and debrief*

Despondent

Informant	Partner
Informant Name	Janice Vermecastki
Age	27
Address:	31 Wynyard Street, Bell Block, New Plymouth
Cell	021 XXXXXXXX
Current Picture available on cell phone.	
Number in party	1

Missing person details

Name:	Chad Vermecastki
Age:	31
Wearing:	As volunteer is wearing on day
Last seen 0700	
Family	None – but friends looking
Media:	At Base inquiring and photographing
LKP	To be provided but within access to farmland with bush edge.
Injuries/found state:	Depressed and broken wrist

Refer details sheet in addendum 4 for full scenario details

Skills based learning, demonstration and assessments

Where practicable, the teams will rotate through the skills stations enhancing or reinforcing the skills required for the Search scenarios and then be assessed in alignment with competencies.

During this period the DS will maintain an overview of all scenarios, teams, subjects, and safety. To allow the IMT to imbed and reinforce skill requirements they will “run” **the search scenario** for each field search and conduct the normal functions of the IMT/MSU(AU) for each search scenario.

Mentoring/Assessment by appropriate group SMEs

Also, to allow evaluation, skills and knowledge sharing, local SMEs may be assigned to groups to allow knowledge to be shared from experience garnered over their time in SAR.

This will allow the Mentors/Management to view skills and abilities for succession or development of appropriate personnel and by spending the day with the groups, observe better the skills and knowledge being assessed.

Each LandSAR Instructor/SME/Assessor will have a **15 people maximum** and assess all on combined assessment/competency sheets as provided.

Skills session and assessments

The host group has chosen 4 the following options for the Saturday. TaC, Nav, SM and SRM. Each should run for 1.5 hours and then seamlessly roll over into the next subject.

Timings between the full 3 hour sessions should have ½ hour break at 1230 for transition and or rest/refreshment between. At 1630 the SAREX will halt for an early combined group evening meal. At 1730 the final activity commences and finishes at 2030 when teams establish campsites for the night.

Sunday At 0630 teams will be briefed on mornings tasks and timings and commence morning activities until 0900 when all personnel will regroup at ICP.

Navigation (NAV) 1.5 hours

Plan using map GPS a route off track calculating distances and approximate times.

Identify hazards off map and contours

Create “Searchers” briefing for task

Identify throughout route position and mark on map

Navigate using GPS by setting waypoint, go to and using Trac-bac functions.

Project waypoint and go to.

Record and prepare communication for broadcast.

Provide 6 digit LOCSTAT or SITREP and communicate this.

Provide 14 digit grid reference for clue/item and communicate this

Save into GPS notarised clues, waypoints or POI’s

Mobile Unresponsive Search Method demonstration (SM) 1.5 hours

Average Range of Detection in area to be searched

Conduct a search through bush area covering minimum 3 full sweeps using Purposeful wandering for 10 items placed in search area. These to be spread out.

Discuss boundary marking with Paper marking tape or Crepe paper** in 1 m lengths for visibility

Purposeful Wander through area and resets to get good coverage and used to boundary marking.

Sound Line, Sound Sweep

(SL, SW)

1.5 hours

Receive task and brief Team on tasking

Understand the intent of your task – S.E.T.

Relate Task to Missing Persons Matrix.

Brief Team on correct procedure for sound line.

Gear check before commencement – all have adequate whistle, compass (working) flagging tape.

Conduct 2km sound line.

Conduct 500m sound sweep in area with no response

Demonstrate sweep to responsive person.

Debrief and feedback.

Basic First Aid, Stretcher loading, Stretcher and Ropes

(SRM)

1.5 hours

Primary and Secondary assessment of patient.

Preparing Stretcher, Loading and securing patient

Loading a patient and making comfortable and secure for transport.

Basic knot craft and low angle belay and backup

Carry over distance utilising full team with changes, side-swaps and various methods.

Use and demonstrate correct calls for lifting, lowering, uphill and downhill movement.

Stretcher attendants roles assigned, calls made correctly and patient care with Obs completed.

Sunday Morning

Will consist of a series of 2 clue site processing modules, campsite processing and vehicle processing. Each Instructor/SME/Assessor will also place heavy emphasis on recording and note taking correctly ensuring time, 14 digit GPS reference and notes are recorded accurately and communicated correctly over radio.

Activities commence 0630 with vehicle processing and then move to camp site processing. If teams complete these earlier with the correct information/assumptions they can relocate to SAR Base. All Clue site processing ceases at 0900 followed by debrief and brunch at SAR Base.

Locations

Map in Use

Topo50 BJ31 Strathmore

Exercise Locations

Location	GPS Ref.	Comment
ICP	E 1737793 N 5656434	Te Wera Valley Lodge- Room adjacent to Dining Room
VHF Repeaters: Taranaki ESB58 Taranaki 20W MSO8	E1737782 N5656250 E1736127 N5654796	At ICP

Key Personnel (to be completed by CNI personnel)

Function	Name	Contact Number
Exercise Controller	Andrew Wong Too	
Incident Management Team	Determined on day	
Police Personnel		
Iwi		
Te Wera Valley Lodge Campground	06 7623859	Michelle Kennard
		Airstrip and Native forest across the road
		Lake and Farmland same side as Te Wera
		Forestry Access
		Keys for Forestry Access
Safety Officer	Andrew Wong Too	

Logistics and

Responsibilities

Function	Responsibility	Comment
Action Based Scenarios	Andrew Wong Too	Briefing at 0845 Saturday - Facilitators will have VHF radios
ICP Set Up	Directing Staff, Base Support + Logistics	To be set up Friday afternoon/evening Briefing for Team Composition and Safety Assessment, SARTrack implementation to be done
Team Boxes	Andrew Brooker	Taranaki LandSAR gear
Lost Party Comms	Alan Doy	VHF channel ESB ICP DS Staff
VHF Hand held radios	Police/LandSAR	
VHF Repeaters	Police/LandSAR	5W SAR Teams ESB58 20W Lost Party MS08
GPS Hand held Receivers	Police x6 LandSAR x7	Police sets Taranaki LandSAR based sets Datums WGS84, NZTM set and plot/waypoints trails cleared
Laminated Maps and Photos	Alan Doy	Maps for lost parties, search teams and ICP use

Computers and Printers	Blair Mckinnon	Onsite support for SAR laptops, printer and IPstar
First Aid Equipment	Police	At ICP and carried by teams
Accommodation	Individual	Exercise participants to provide personal equipment for overnight accommodation in the field. The location for the overnight camp will be given at the conclusion of the days scenarios.
Transport	Individual	Transport to and from the exercise venue to be an individual responsibility. Police 4WD vehicles will meet transport requirements during the SAREX
Catering	Carol Jager	Friday dinner provided for DS and Logistics support Individuals will provide their own food for Saturday and Sunday breakfast. Lunch will be provided on Sunday at the SAREX ICP for all participants
Land Manager Liaison	Andrew Wong Too	Police

Communications

Within Exercise

Exercise activities	VHF channel – ESB58
Lost parties	VHF channel – MS08
Directing Staff	

External

Optus Communication

Police radio

Cellular telephones

Emergency and Hazard Management Plan

Injury to Personnel

First Aid facilities will be maintained at the ICP. A register of exercise personnel with First Aid Certificates is held in the ICP. External assistance will be through normal emergency services.

Hazard Identification

Task hazard identification will be carried out by individuals continuously during the exercise. Existing hazards and the proposed controls are as follows:

Hazard	Risk	Control	Method of Control
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Slippery or loose surface roads (Vehicle damage, Injury)	Medium	Minimise	<ol style="list-style-type: none"> 1. Vehicle movement in the exercise area to be restricted to exercise vehicles only 2. Exercise vehicles to be suitable for off road use 3. Be aware of traffic on public roads
Uneven Ground (Injury)	Medium	Minimise	<ol style="list-style-type: none"> 1. Personnel to wear suitable footwear at all times
Waterways, Lakes (Drowning)	Medium	Minimise	<ol style="list-style-type: none"> 1. Activities should not occur on or next to waterways, unless it is absolutely essential or necessary to the scenario. 2. Safety persons and throw bags to be readily available where an activity occurs around river and or lake edge. 3. Suitable floatation devices to be available and used when activity is based on water.
Inclement Weather (Exposure)	Medium	Minimise	<ol style="list-style-type: none"> 1. Personnel to be suitably clothed and prepared for cold, wet conditions or hot dry conditions 2. Exercise teams to be equipped with suitable overnight shelter 3. Individuals to carry sleeping bags and wet weather gear 4. Shelter provided at the ICP
Steep and Difficult Country (Injury)	Medium	Minimise	<ol style="list-style-type: none"> 1. Teams to be suitably equipped and led by experienced persons 2. Teams to carry first aid kits
Lost Persons (Exposure)	Low	Minimise	<ol style="list-style-type: none"> 1. Teams will be supplied with GPS and maps of the area 2. Individuals to carry compasses 3. Area bordered by distinctive geographic features 4. Teams to carry VHF radios and cellular phones.
Giardia organism in streams (Sickness)	Low	Minimise	<ol style="list-style-type: none"> 1. Boil all water taken from streams in the area before drinking 2. Drinking Water available at the ICP/Te Wera

Program

Friday 06 November 2020

1630	Instructors/Assessors convene and set up at Te Wera	Scope exercise area and instruction/facilitation sites
1200	Assemble New Plymouth Police Station	Organise gear
1330	Depart New Plymouth Station	Travel
1500	Arrive Te Wera Station	Set up

1700	ICP set up for occupancy	Available personnel to assist. Generator and computer equipment set up and running.
1800	Dinner	
1900	Investigative Interviewing Module Social	Bruce Irvine to Deliver Social Drinks and catch up

Saturday 07 November 2020

Time	Event	Comment																																				
0700	Participants Leave New Plymouth																																					
0730-0830	SAREX participants arrive	Travel to the venue individuals' responsibility. All participants must complete registration on arrival. DS allocate to teams.																																				
0830	IMT Selected and given scenario																																					
0900	First Scenario to be set up by 0830 hrs	Subject placement to occur after safety briefing at 0900																																				
0845	Welcome, Exercise outline, Safety Briefing. Search teams established	Andrew Wong Too LandSAR SAREX Manager attended by all exercise personnel																																				
0830	DS to have completed teams for the day.	Teams to be created and assigned using SARtrack																																				
0900	Briefing for Scenario Based Activities	Andrew Wong Too/Alan Doy																																				
0930	<p>Scenario Based Activities begin</p> <p>Each activity will run for 3 hours, with 1/2 hour for changeover.</p> <p>Each facilitator will have a VHF radio and be able to give directions for teams to find the way to the next activity location.</p> <p>IMT to be selected and given scenario 1 hours before activity commencement.</p>	<table border="1"> <thead> <tr> <th></th> <th>0930-1100</th> <th>1100-1230</th> </tr> </thead> <tbody> <tr> <td>IMT</td> <td colspan="2">Scenario 1</td> </tr> <tr> <td>Group A (field)</td> <td colspan="2">Scenario 1</td> </tr> <tr> <td>Group B (field)</td> <td>Nav</td> <td>SM</td> </tr> <tr> <td>Group C (field)</td> <td>SM</td> <td>Nav</td> </tr> <tr> <td></td> <td>1300-1430</td> <td>1430-1600</td> </tr> <tr> <td>IMT</td> <td colspan="2">Scenario 2</td> </tr> <tr> <td>Group A (field)</td> <td>Nav</td> <td>SM</td> </tr> <tr> <td>Group B (field)</td> <td colspan="2">Scenario 2</td> </tr> <tr> <td>Group C (field)</td> <td>TaC</td> <td>SRM</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>All Groups</td> <td></td> <td></td> </tr> </tbody> </table>		0930-1100	1100-1230	IMT	Scenario 1		Group A (field)	Scenario 1		Group B (field)	Nav	SM	Group C (field)	SM	Nav		1300-1430	1430-1600	IMT	Scenario 2		Group A (field)	Nav	SM	Group B (field)	Scenario 2		Group C (field)	TaC	SRM				All Groups		
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1600	SAREX Combined evening Meal		
1600 to 1730	SAREX early dinner	All regroup at ICP for early evening meal, refresh and socialise before recommencing final session at 1730.	
1730	Final Activities for evening		
		IMT	
		Group A (field)	
		Group B (field)	
		Group C (field)	
		1700-1830	1830-2000
		Scenario 3	Scenario 3
		TaC	SRM
		SRM	TaC
		Scenario 3	Scenario 3
2000 2045	Stand down for night Check in	DS – All teams redeployed to Final waypoint for overnight camp close to final finishing point DS - All participants to check in with DS on arrival at overnight camp	

Sunday 06 September 2020

Time	Event	Comment
0600	Briefing by radio	DS
0630	Clue site processing scenarios	Clue site processing, 45 mins Tent site – whole group 45 mins Vehicle – whole group
0830	All teams return to ICP	DS
0900	Debrief and Brunch	
1000	Pack up and Depart	All

Appendix Table

1.1 Maps of SAREX location

Scenario Sheets

1.2 Missing Person Scenario 1

1.3 Missing Person Scenario 2

1.4 Missing Person Scenario 3

Activity Sheets

1.6 Round Robin Activity 2 – Navigation – Map and Compass and GPS

1.8 Round Robin Activity 4 – Search Methods/Techniques - unresponsive

1.9 Round Robin Activity 5 – Track and Clue site processes

1.10 Round Robin Activity 6 – Stretcher loading, Securing for carry, Patient care, Hypothermia Burrito Wrap, calls and carry

1.11 Clue Site processing 1- Tent Site

Equipment Sheets

Equipment requirements per activity summarised

Catering Requirements

Appendix 1.1

Te Wera Valley Lodge



Appendix 1.2

Scenario 1

view of each scenario – full details.

Duration *3 hours total including brief and debrief*

Missing Forestry Worker out marking trees for future harvest. Vehicle left at site. Timing for radio contact was not met by Missing Person. As no one was logging in the area missing person was seen putting earbuds in just as he set off on task.

Informant Joe Foreman
Age 39
Address: 43 Miranda Street, Stratford
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Buster Gangs
Age: 26
Wearing: As volunteer is wearing on day
Last seen 4 hours prior
Family At home – informed but worried.
Media: At Base inquiring and photographing
LKP To be provided but within access to forestry road with bush edge.
Injuries/found state: Leg entrapment and concussion

Refer details sheet in addendum 4 for full scenario details

Number : alone
Age 26
Medical conditions Hard of hearing from chainsaw use.
Fitness very fit
Experience None
Reliability reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Other details.

Was last seen by Joe when he left to mark selected trees for thinning. He was wearing Hard Hat with Ear-defenders but was also wearing ear-buds listening to music.

Equipment required for scenario

Stretcher

Hypothermia gear, dry clothing

Police SAR Dog

First Feed Vehicle at point X- E and N identified.

Second feed Sudden but brief high wind hit the area just after Joe dropped him off

Third Feed Worker in next block overheard wind hit and was sure he heard a tree snap and fall noisily to the ground.

Scenario 2

Duration *3 hours total including brief and debrief*

Missing Pest Controller – Possibly Poaching

Informant Work mate
Informant Name Michael S Hooter
Age 63
Address: 4 Brookes Street, Inglewood
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Phillip Dearsly
Age: 56
Wearing: As volunteer is wearing on day
Last seen 0700 at vehicle
Cell-phone Number To be provided
Family Wife
Media: At Base inquiring and photographing
LKP To be provided but within access to waterway with bush edge and 2m drop
Injuries/found state: Possible cyanide poisoning and dehydrated – has own pills

Refer details sheet in addendum 4 for full scenario details

Number : alone
Age 28
Medical conditions History of chest pain and carries medication.
Fitness fit and bush savvy
Experience Skilled hunter
Reliability reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Other details

Was carrying a rifle (243 cartridge), small day pack and wearing camo possibly. Was looking for pests, but known to be interested in tracking any animal
And has worked pest control here once before.
Has previously had mild heart issues and carries own medication in form of Nitro pills which are administered orally. He also has had previous concussions from rugby and a car accident.

Equipment required for scenario

A "rifle"
Camo gear and pack

Knife belt

Use of FENZ Drone

Feed 1

Approximate area of hunt

Feed 2

after 1 hour -A hunter who had permission was glassing the area and was sure he saw someone in the vicinity of.....and came out to report it to the run-holder. Give approximate area

Feed 3

after 2 hours PLB location given to affect rescue/ FENZ drone spots location

Scenario 3 *3 hours total including brief and debrief*

Despondent

Informant Partner
Informant Name Janice Vermecastki
Age 27
Address: 31 Wynyard Street, Bell Block, New Plymouth
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Chad Vermecastki
Age: 31
Wearing: As volunteer is wearing on day
Employment: Ceased...Rental Car Valet, New Plymouth Airport.

Last seen 0700

Family None – but friends looking
Media: At Base inquiring and photographing
LKP To be provided but within access to farmland with bush edge.
Injuries/found state: Depressed and broken wrist

Number : alone
Age 31
Medical conditions Depressed since losing job due to Covid19
Fitness Very fit
Experience None
Reliability normally reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Other details

Knows the area well having worked in Te Wera area for many years as a farmhand and forestry worker. Worked here 4 years ago. Recently purchased house and he has felt the loss of job, relying on Janice's income and inability to find new work.

Equipment for scenario

FLIR?

Appendix 1.6

Navigation 1.5 hours

Plan using map GPS a route off track calculating distances and approximate times.
Identify hazards off map and contours
Create "Searchers" briefing for task
Identify throughout route position and mark on map
Navigate using GPS by setting waypoint, go to and using Trac-bac functions.
Project waypoint and go to.
Record and prepare communication for broadcast.
Provide 6 digit LOCSTAT or SITREP and communicate this.
Provide 14 digit grid reference for clue/item and communicate this
Save into GPS notarised clues, waypoints or POI's

Equipment Requirements

Personnel

Appropriate Map
Functional compass (checked)
GPS
VHF radio and/or accessories
LandSAR notebook
Writing implement(s)
Map "Roamer" (supplied?)

Assessor/Instructor

Appropriate Map
Functional compass (checked)
GPS
VHF radio and/or accessories
LandSAR notebook
Writing implement(s)
Map "Roamer" and spares (supplied?)
Assessment sheets - **Navigation**
Clipboard and waterproof cover

Appendix 1.7

Mobile Unresponsive Search Method demonstration 1.5 hours

“SEARCHERS” risk assessment completed

Instruction on RD (AROD)

Average Range of Detection in area to be searched

Conduct a search through bush area covering minimum 3 full sweeps using Purposeful Wandering for 10 items placed in search area. These to be spread out.

Discuss boundary marking with Paper marking tape or Crepe paper** in 1 m lengths for visibility

Purposeful Wander through area and resets to get good coverage and used to boundary marking.

Equipment

Personnel

GPS

Map and compass

Eye protection

Gloves (if carried/available)

Hand Torch

Tracking stick/walking pole

Marking Tape (crepe paper roles)

Instructors/Assessors

Clues for area – minimum 10!

Subject

Marking tape (\$2 shop crepe)

Assessment Sheets – **Apply Search Techniques**

Clipboard and waterproof cover

Appendix 1.8

Sound Line, Sound Sweep

(SL, SW)

1.5 hours

Receive task and brief Team on tasking
Seachers assessment and brief
Understand the intent of your task – S.E.T.
Relate Task to Missing Persons Matrix.
Brief Team on correct procedure for sound line.
Gear check before commencement – all have adequate whistle, compass (working) flagging tape.
Conduct 2km sound line.
Conduct 500m sound sweep in area with no response
Demonstrate sweep to responsive person.
Debrief and feedback.

Equipment

Small Cones
Marking Tape
Spare Whistles
Spare Compasses
Subject??

Instructor/Assessor

Assessment Sheets – *Apply Search Techniques*
Clipboard and cover

Appendix 1.9

Stretcher and Rope work

Stretcher and Ropes

1.5 hours

Basic knot craft and low angle belay and backup
Loading a patient and making comfortable and secure for transport.
Carry over distance utilising full team with changes, side-swaps and various methods.
Use and demonstrate correct calls for lifting, lowering, uphill and downhill movement.
Stretcher attendants' roles assigned, calls made correctly and patient care with Obs completed
Appropriate materials and demonstration for Hypothermia burrito wrap

Equipment Requirements

Personnel

Edge Kit per team
Gloves if carried
Eyewear
LandSAR Notebooks
Appropriate Writing implement(s)
SAR Radio
GPS
Map and Compass
Patient Assessment form
Baseline Observations recording sheet (notebook if not available)
Basic first aid kit (Tri-Bandages, No.14 Wound dressings, Israeli bandage??,)
Stretcher (Ferno)
Sleeping Pad for Ferno

Instructor/Assessor

*Spare ropes as necessary
Spare Webbing tape – various sizes
Spare Auto-lock karabiners
Components for Burrito rap – Clothing, Beanie, Sleeping bag, Survival Blanket, Waterproof tarp, Hot water bottles x 3
Sleeping Pad
Bothy Bag
Assessment Sheets for – **Ropes and Stretcher**
Clipboard and waterproof cover

Note:

- . * This is a learning module with only two assessments
- . ** Instructor to leave all equipment at site for other teams

Appendix 1.11

Clue-Site Processing - Tent site

SME/Instructor/Assessor notes:

Overnight group tent-sites to be packed and teams rotate to another groups site:

Group A to Group B site
Group B to Group C site
Group C to Group A site

Method:

Revise S.T.O.P.P.E.R. and contamination control process.

Assign overall leader for task.

Clue-Pro map to be created by Team.
Areas assigned and processed and information collated
Clues listed along with 14 digit location, full details and assumption recorded for relay by radio.

Notes should include assumptions on:

No of campers/occupants
Toileting site location and sexes??
Cooking area
Water Collection area and method(s)
Cleaning area
Personal hygiene area
D.O.T. to and from site

Other relevant information

Maximum time 45 minutes – 5 minute debrief

Appendix 1.12

Clue Site Processing – Vehicle

SME/Instructor/Assessor notes:

IMT to organise 1 vehicle per team to be in-situ no later than 0745.

Method:

Revise S.T.O.P.P.E.R. and contamination control process.

Assign overall leader for task.

Approach vehicle from least likely angle and check vehicle for occupant(s)

Process vehicle for number of occupants.

Ascertain direction of travel from vehicle

Where possible ascertain purpose/activity subject was moving for

Clue-Pro map to be created by Team.

Areas assigned and processed and information collated

Clues listed along with 14-digit location, full details and assumption recorded for relay by radio.

**Drivers note*

Where possible take 2 or 3 passengers to site.
Congregate at boot/rear of vehicle and put different footwear on.
Revisit side doors and put footwear or other item inside vehicle.
All walk away from vehicle in same direction to common pathway or egress route.
Drop one receipt on route out 10-15m from vehicle.

Maximum time 45 minutes – 5 minute debrief

Summary of Equipment

requirements for activities and scenarios for weekend

Scenario 1

Stretcher
Hypothermia gear, dry clothing
SAR Dog

Scenario 2

Hunting Gear
Stretcher
FENZ Drone

Scenario 3

Backpack
Random clues
FLIR

Activity 1 Nav

Appropriate Maps
Spare Functional compasses
GPS's – 1 per 2
VHF radio and/or accessories

Activity 2 SM UIM

Clues for area
Subject
Marking tape (\$2 shop crepe)

Activity 3 SM MR

Spare whistles
Spare Compasses

Activity 4 SRM

Edge Kit per team
SAR Radio
GPS
Map and Compass
Patient Assessment form
Baseline Observations recording sheet (notebook if not available)
Basic first aid kit (Tri-Bandages, No.14 Wound dressings, Israeli bandage??,)
Stretcher (Ferno)
Sleeping Pad for Ferno

Activity 5 Camp Site Processing

Nil

Activity 6 Vehicle processing

Vehicle x 3
Receipt x 3

Clipboard and waterproof cover x 4

Assessment Sheets – ***Apply Search Techniques – Unresponsive/immobile
Navigation
Apply Search Techniques – Sound line/sweep
Ropes and Stretchers***

LandSAR GSO to supply SAR Notebooks

Appendix 1.13
Missing Person Notes

Scenario 1

Overview of each scenario – full details refer Appendices.

Missing Forestry Worker out marking trees for future harvest. Vehicle left at site. Timing for radio contact was not met by Missing Person. As no one was logging in the area missing person was seen putting earbuds in just as he set off on task.

Informant	Joe Foreman
Age	39
Address:	43 Miranda Street, Stratford
Cell	021 XXXXXXXX
Current Picture available on cell phone.	
Number in party	1

Missing person details

Name:	Buster Gangs
Age:	26
Wearing:	As volunteer is wearing on day

Last seen 4 hours prior

Family At home – informed but worried.
Media: At Base inquiring and photographing
LKP To be provided but within access to forestry road with bush edge.
Injuries/found state: Leg entrapment and concussion

Refer details sheet in addendum 4 for full scenario details

Number : alone
Age 26
Medical conditions Hard of hearing from chainsaw use.
Fitness very fit
Experience None
Reliability reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Other details.

Was last seen by Joe when he left to mark selected trees for thinning. He was wearing Hard Hat with Ear-defenders but was also wearing ear-buds listening to music.

Duration *3 hours total including brief and debrief*

Volunteer Notes

You will be placed in an appropriate area and You will be acting as though dazed, confused and moaning about your leg hurting.

Act as though you haven't heard the searchers as you thought you were hearing voices...which you had been. You also can wear your headphones....

When the searchers find you act up and cry out in pain if they touch your leg.

They should immobilise it and load you carefully into the stretcher. They will carry you some distance so you can moan up and pretend to want to have a pee and see how they cope.

Missing Person Notes

Scenario 2 *3 hours total including brief and debrief*
Missing Pest Controller – Possibly Poaching

Informant Work mate
Informant Name Michael S Hooter
Age 63
Address: 4 Brookes Street, Inglewood
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Phillip Dearsly
Age: 56
Wearing: As volunteer is wearing on day
Last seen 0700 at vehicle
Cell-phone Number To be provided
Family Wife
Media: At Base inquiring and photographing
LKP To be provided but within access to waterway with bush edge and 2m drop
Injuries/found state: Mild heart attack, concussion and dehydrated – has own medication for Angina

Refer details sheet in addendum 4 for full scenario details

Number : alone
Age 28
Medical conditions History of chest pain and carries medication.
Fitness fit and bush savvy
Experience Skilled hunter
Reliability reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Volunteer Notes

You will be placed in an appropriate area and you will be acting as though dazed, confused and moaning about your chest.

Act as though you haven't heard the searchers as you thought you were hearing voices...which you had been.

When the searchers find you clutch your left arm and breathe shallowly. They should ask you if you have any medication and when they find it they must ask you to self-medicate.

They should load you onto the stretcher and place you on your side to carry you. They will carry you some distance so you can moan up and pretend to want to have a pee and see how they cope.

Scenario 3 *3 hours total including brief and debrief*
Despondent

Informant Partner
Informant Name Janice Vermecastki
Age 27
Address: 31 Wynyard Street, Bell Block, New Plymouth
Cell 021 XXXXXXXX
Current Picture available on cell phone.
Number in party 1

Missing person details

Name: Chad Vermecastki
Age: 31
Wearing: As volunteer is wearing on day
Employment: Ceased...Rental Car Valet, New Plymouth Airport.

Last seen 0700

Family None – but friends looking
Media: At Base inquiring and photographing
LKP To be provided but within access to farmland with bush edge.
Injuries/found state: Depressed and broken wrist

Number : alone
Age 31
Medical conditions Depressed since losing job due to Covid19
Fitness Very fit
Experience None
Reliability normally reliable
Clothing As per the volunteer on the day.
Equipment Cell phone but no coverage
Weather Existing on day
Terrain Hazards As per area...
Length of time missing 3 hours

Other details

Knows the area well having worked in Te Wera area for many years as a farmhand and forestry worker. Worked here 4 years ago. Recently purchased house and he has felt the loss of job, relying on Janice's income and inability to find new work.

Volunteer Notes

You will be placed in an appropriate area and you will be acting as though you were not sure if you wanted to be found. Be compliant if they are reassuring but be difficult if their communication is blunt or absent. Start moaning about your left arm.

Act as though you haven't heard the searchers as you thought you were hearing voices...which you had been.

When the searchers find you clutch your left arm. When the searchers touch it they must immobilise it and then load you carefully onto the stretcher.

They will carry you some distance so you can moan up and pretend to want to have a pee and see how they cope.