



DEPARTMENT OF THE ARMY
NORTHERN WARFARE TRAINING CENTER
1060 GAFFNEY ROAD #9900
FORT WAINWRIGHT, ALASKA 99703-9900

APVR-WNW

1 October 2015

MEMORANDUM FOR RECORD

SUBJECT: Cold Weather Indoctrination & Certification (CWIC) Course Management Plan (CMP)

1. Introduction. CWIC is the United States Army Alaska's Cold Weather Indoctrination & Certification (CWIC) program. USARAK Soldiers live, work, and play in one of the harshest environments in the world. USARAK Soldiers must possess the necessary skills to train to go to war in this demanding environment, despite these conditions. All leaders in USARAK have the inherent responsibility to prepare themselves and their Soldiers, both mentally and physically, to operate in the cold weather environment. CWIC gives all Soldiers, regardless of their job, the foundation to successfully work and train in the environmental conditions typical of Alaska.

a. This course management plan provides unit leaders and trainers with the information required to conduct the Cold Weather Indoctrination Course (CWIC).

b. This CMP is approved by the Commandant United States Army Northern Warfare Training Center and must be used when providing education, training and evaluation of this course. Provide any feedback to the course manager on the products and/or materials provided:

Commandant USANWTC
ATTN: Training Administrator
1063 Apple Street, Building 1063
Ft. Wainwright, Alaska 99703-9900
907-353-1165

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2. CWIC.

a. **Course Purpose.** To train all Soldiers within the USARAK footprint, regardless of job function, in the basic skills required to successfully train and operate in Cold Regions. Attendees will gain confidence in their cold weather clothing and equipment and their ability to care for themselves in the cold weather environment.

b. **Course Scope.** Emphasis is placed on developing the:

- (1) ability to prevent, identify and treat cold weather injuries.
- (2) knowledge of the effects of cold on vehicles and weapons.
- (3) ability to operate and maintain vehicles and weapons in the cold weather.
- (4) ability to move over snow covered terrain using snowshoes.
- (5) ability to safely use Army approved shelter and heaters.
- (6) ability to survive in temperatures below 10° F with only issued cold weather clothing and equipment.
- (7) ability to apply the risk management process to cold weather training and operations.

c. **Course Structure.** CWIC consists of three levels:

(1) Cold Weather Indoctrination I (CWIC I). CWIC I can be taught year round. It is classroom and basic skills instruction designed to introduce Soldiers to the cold weather environment. All Soldiers assigned to Alaska regardless of unit, MOS or position are required to attend CWIC I annually and before participating in any FTX regardless of season. Family members, DoD Civilians and contractors are encouraged to attend. The end state is the Soldier has an understanding of the environment, its hazards and phenomena, understands his clothing and that it is serviceable and fits properly and can recognize cold related injuries and take appropriate action..

(2) The following table is a minimum listing of CWIC I lessons. They are all platform classes.

Analyze Terrain in Cold Regions
Analyze Weather in Cold Regions and Mountainous Terrain
Protect Yourself and Fellow Soldiers in Extreme Cold Weather <i>This lesson also includes cold weather clothing. It is intended as a "try it on" period so Soldiers can DX if necessary.</i>
Prevent Cold Weather Injuries
Prevent Environmental Injuries
Manage Risk in Cold Regions Operations
Plan a Small Unit Movement Over Snow Covered Terrain
Effects of Cold on Equipment
Manage Physical Readiness Training in Extreme Cold Weather

(3) CWIC II. CWIC II is taught during the winter months and must be completed before the end of 1st Quarter or before the first FTX in the 1st Quarter. CWIC II is field instruction designed to give Soldiers experience and confidence working in the cold weather environment using equipment and clothing issued by the Army. It is meant for MTOE units but TDA units may elect to execute. Every attempt should be made to move the unit away from the convenience of the support base and into the field. Every effort should be made to conduct this phase when the temperatures are 10 degrees Fahrenheit or colder. The intent of this temperature rating is to train Soldiers under the conditions that allow them to gain confidence in their equipment in a field environment. Soldiers must spend two nights in the field:

(a) Night one: Soldiers bivouac in the heated shelter they typically use in the field (e.g. 10 man Arctic tent and Space Heater Arctic). This is an overnight bivouac of eight hours minimum.

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(b) Night two: Soldiers bivouac in an improvised shelter using only issued clothing and sleeping bag. No external sources of heat (stoves) will be used for warming except in emergencies. A warming shelter must be available for this training. This is also an overnight bivouac minimum of 8 hrs.

(c) The following table is a minimum listing of CWIC II lessons.

Move Over Snow on Snowshoes
Operate an Ahkio Sled
Operate an Arctic Ten Man Tent (with bivouac)
Operate a Space Heater Arctic
Operate a H-45 Space Heater
Construct Improvised Shelters (with bivouac)
Occupy a Patrol Base in Cold Regions
Operate a Military Vehicle in Extreme Cold Weather (<i>Practical Exercise to Effects of Cold on Military Equipment</i>)
Perform Weapons Maintenance in Extreme Cold Weather (<i>Practical Exercise to Effects of Cold on Military Equipment</i>)
Individual Camouflage in a Snow Covered Environment
Engage Targets in a Snow Covered Environment
Construct a Fighting Position in a Snow Covered Environment

(d) CWIC II training can be done in conjunction with other training. An example may be Cold Weather Vehicle Maintenance done with unit drivers training; Weapons Maintenance in Cold Weather as a part of a range; Snowshoeing in conjunction with a Land Navigation course. Creative scheduling of unit requirements can enhance Cold Weather training. The end state is Soldiers are able to function in the environment as part of a unit conducting common skills in a cold weather environment.

(3). CWIC III. This is used as a certifying event where the unit exercises their METL tasks while incorporating their Cold Weather skills learned in CWIC I and II. There is no limit of time or tasks. The requirement to complete in the 1st Quarter remains. Examples of tasks to incorporate may be installation of tire chains as a crew drill, vehicle recovery, or dismounted land navigation. Upon completion the unit should know that tested systems are in place to mitigate risk and allow the safe and efficient execution of large unit operations in the cold.

3. Newly assigned Soldiers. Soldiers assigned after CWIC has been done must receive CWIC I within 30 days of assignment. Units should make every effort to conduct formal CWIC II for these Soldiers, but may elect to pair them with a more experienced Soldier while in the field.

4. Table 1 lists the lesson plans that are used to conduct CWIC. Required lessons are in bold. These lessons can be found in the CWIC student handout at <http://www.wainwright.army.mil/nwtc/CWIC.htm> . This is the same handout issued to students in the CWLC and CWOC.

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	Subject Area
Lesson #	Lesson Title
699-8010	Analyze Terrain in Cold Regions
699-8011	Analyze Weather in Cold Regions and Mountainous Terrain
699-8012	Protect Yourself and Fellow Soldiers in Extreme Cold Weather
699-8013	Prevent Cold Weather Injuries
699-8014**	Prevent Altitude Illness**
699-8015	Prevent Environmental Injuries
699-8016**	Evacuate a Hypothermic Casualty**
699-8017	Manage Risk in Cold Regions Operations
699-8018	Plan a Small Unit Movement Over Snow Covered Terrain
699-8019	Move Over Snow on Snowshoes
699-8020	Operate an Ahkio Sled
699-8021	Operate a Space Heater Arctic
699-8022	Operate an Arctic Ten Man Tent
699-8023	Operate a Squad Stove
699-8034	Operate a Squad Lantern
699-8024	Operate a H-45 Space Heater
699-8025	Occupy a Patrol Base in Cold Regions
699-8026	Construct Improvised Shelters
699-8027**	Move Safely in Avalanche Terrain**
699-8028	Perform Weapons Maintenance in Extreme Cold Weather
699-8029	Employ Individual Camouflage in a Snow Covered Environment
699-8030	Engage Targets in a Snow Covered Environment
699-8032	Construct a Fighting Position in a Snow Covered Environment
699-8033	Operate a Military Vehicle in Extreme Cold Weather

**Optional training

5. CWIC trainers must be graduates of the Cold Weather Orientation Course (CWOC), Aviation Cold Weather Course (ACWC), Cold Weather Leaders Course (CWLC) or the NWTC Cold Weather Instructor Qualification Course.

6. Units are required to train Soldiers in CWI I and II annually. Soldiers that have attended a CWOC or CWLC in the last 12 months, meet CWIC training requirements. Arctic survival school is **not** a substitute for CWIC training.

7. Host units must ensure that units attached for training, but not stationed in Alaska, receive CWIC instruction before field training where temperatures drop below 10 degrees Fahrenheit.

8. Units maintain a memorandum that lists the training conducted during CWIC. Maintain a copy of this memorandum in Soldier training records. This memorandum must be signed by the commander. A sample memorandum is provided at Attachment 4. Upon completion of training, the Soldier's DA 348 should reflect licensing on appropriate stove(s) (e.g. SHA, H-45, SHC, SHS) or any other special equipment for cold weather that Soldier's were licensed on (e.g. SUSV, plows, snow machines).

9. Attachment 1 is a sample training schedule for CWIC I-II. It is intended as a guide only.

10. References. The publications listed below are key publications to be used in conjunction with the course management plan.

- a. ATP 3-97.11 Cold Regions Operations

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- b. TB Med 508, Prevention and Management of Cold Weather Injuries
 - c. USARAK Pamphlet 600-2 (Blue Book), United States Army Alaska Soldiers' Handbook and Standards Guide
 - f. USARAK Pamphlet 385-4, Risk Management for Cold Weather Operations.
 - g. Northern Warfare Training Center Cold Weather Student Handout.
11. Point of Contact for this course is the NWTC Training Administrator at 907-353-1165.

MICHAEL R. BRAUN
LTC, SF
Commandant

Attachment 1: Sample Training Schedule

WEEK		SAMPLE TRAINING SCHEDULE CWIC I					PREPARATION DATE:
Effective Period of Schedule							
FROM	THRU						
DATE	TIME	SUBUNIT	MISSION	TRAINERS	LOCATION	UNIFORM	NOTES/REFERENCE S
DAY 1	0630-0730		PT				Note 1. Cold Weather Injury Prevention and Treatment includes wear and fitting of cold weather clothing. The intent is for Soldiers to try on their clothing and DX as necessary. Note 2. Primary reference is the NWTC Cold Weather Student Handout
	0730-0900		Personal Hygiene/ Breakfast				
	0900-0915		Introduction to Cold Weather Indoctrination and Certification Program				
	0915-0945		Cold Regions Terrain Analysis				
	0945-1015		Cold Regions Weather Analysis				
	1015-1045		Cold Weather and Mountain Environmental Injury Prevention and Treatment				
	1045-1130		Cold Weather Risk Management				
	1130-1215		Planning Considerations for Over Snow Movement				
	1215-1315		Lunch				
	1315-1415		Cold Weather Vehicle Maintenance				
	1415-1445		Weapons Maintenance in Cold Weather				
	1445-1700		Cold Weather Injury Prevention and Treatment				

Attachment 1: Sample Training Schedule

WEEK		SAMPLE TRAINING SCHEDULE CWIC II					PREPARATION DATE:
Effective Period of Schedule							
FROM	THRU						
DATE	TIME	SUBUNIT	MISSION	TRAINERS	LOCATION	UNIFORM	NOTES/REFERENCE S
DAY 1	0630-0730		PT				<p>Note 1. Individual certification on heater is conducted while in bivouac.</p> <p>Note 2. Lunch and Dinner MCW. Squads make their own hot water.</p> <p>Note 3. Primary reference is the NWTC Cold Weather Student Handout</p>
	0730-0900		Personal Hygiene/ Breakfast				
	0900-0915		Move to Training Area				
	0915-0945		Introduction to Snowshoeing				
	0945-1015		Sled Hauling (Ahkio)				
	1015-1045		Cold Regions Patrol Base Considerations				
	1045-1230		Tent and Stove Drill-Establish Bivouac				
	1230-1330		Lunch				
	1330-1500		H-45				
	1500-1630		5k Snowshoe Movement				
1630-2400		Bivouac					
DAY 2	0001-0500		Bivouac				<p>Note 1. All meals MCW. Squads make their own hot water.</p> <p>Note 2. All lessons include time for Practical Exercise.</p> <p>Note 3. Each Squad will construct 1 fighting position with materials provided.</p> <p>Note 4. Primary reference is the NWTC Cold Weather Student Handout</p>
	0500-0630		Personal Hygiene/ Breakfast				
	0630-0800		Cold Weather Firing Techniques				
	0800-0930		Individual Camouflage in a Snow Covered Environment				
	0930-1100		Cold Weather Vehicle Maintenance (PE)				
	1100-1200		Cold Weather Weapons Maintenance (PE)				
	1200-1300		Lunch				
	1300-1500		Fighting Positions for Frozen Ground				
	1500-1600		Improvised Shelters/Establish Bivouac				
	1600-2400		Bivouac				

Attachment 1: Sample Training Schedule

Day 3	2400-0600		Bivouac				
	0600-0700		Personal Hygiene/ Breakfast				
	0700-1200		Recovery				
	1200-1300		Lunch				
	1300-1600		Recovery				

Attachment 2: Packing List

CWIC Packing List			
Required Items			
Qty	Item Description	Qty	Item Description
1	GEN III LEVEL 1 BASE LAYER	100 ft	Cord, Nylon (550)
1	GEN III LEVEL 2 MID WEIGHT BASE LAYER		Personal Hygiene Articles
1	GEN III LEVEL 3 INSULATION LAYER	1	Tube of Chapstick
1	GEN III LEVEL 4 WIND SHIRT		Prescription Medications**
1	GEN III LEVEL 5 SOFT SHELL		Prescription Eyeglasses**
1	GEN III LEVEL 6 COLD WET LAYER		Sunglasses (inexpensive/durable)
1	GEN III LEVEL 7 EXTREME COLD LAYER	1	ID Tags w/ Chain
1	Bag, Sleeping MSS	1	ID Card
1	Mat, Sleeping (Poly Pad recommended)	1	Pocket Knife
1	MOLLE Rucksack	1	Cigarette Lighter or Waterproof Matches
1	Fighting Load Carrier by Unit SOP	1	Flashlight w/ extra Batteries (a headlamp is the best option)
1	E-Tool w/ Carrier	1	Ski Goggles w/ Tinted Double-pane Lens
2	Poncho	1 pr	MSR Snow Shoes (If Unit Issued)
1	Liner, Poncho	1 pr	Gloves, Intermediate Cold Weather
1 pr	Boots, Intermediate Cold Weather	2 pr	Inserts, Glove, Cold Weather (contact gloves)
1 pr	Boots, Vapor Barrier, White	1 pr	Mitten Shells, Trigger Finger
2	Facemask, Balaclava	2 pr	Mitten Inserts, Trigger Finger
1	Neck Gaiter, Brown	1 pr	Mitten, Arctic
1	Weapons cleaning kit	1	Overwhites (Helmet Cover, Jacket, Trousers and Mitten covers)
4 pr	Wool socks	1	Waterproof Bag

Optional Items			
1 pr	Camp Booties, Insulated		
2	Compression Sacks		
1	Sewing Kit		
**	As Required		



DEPARTMENT OF THE ARMY

Unit Name

Unit Address

FORT WAINWRIGHT, ALASKA 99703-9900

Unit Office Symbol

_____ DATE

MEMORANDUM FOR RECORD

SUBJECT: CWIC Record of Training

1. SPC Dude, Daniel, 000-00-0000 has successfully completed training on the following lessons/equipment:

Lesson/Equipment	DATE
CWIC I	
Analyze Terrain in Cold Regions	
Analyze Weather in Cold Regions and Mountainous Terrain	
Protect Yourself and Fellow Soldiers in Extreme Cold Weather	
Prevent Cold Weather Injuries	
Prevent Environmental Injuries	
Manage Risk in Cold Regions Operations	
Plan a Small Unit Movement Over Snow Covered Terrain	
Perform Weapons Maintenance in Extreme Cold Weather (Platform class)	
Operate a Military Vehicle in Extreme Cold Weather (Platform class)	
CWIC II	
Operate a Space Heater Arctic	
Operate a H-45 Space Heater	
Licensed on Army Approved Heater (List Type)	
Bivouac in heated shelter (overnight)	
Bivouac in an improvised shelter (overnight)	
Move Over Snow on Snowshoes	
Operate an Ahkio Sled	
Operate an Arctic Ten Man Tent	
Employ Individual Camouflage in a Snow Covered Environment	
Operate a Military Vehicle in Extreme Cold Weather (PE)	
Perform Weapons Maintenance in Extreme Cold Weather (PE)	
Employ Individual Camouflage in a Snow Covered Environment	
Engage Targets in a Snow Covered Environment	
Occupy a Patrol Base in Cold Regions	
5 K snowshoe march	

2. The bivouacs were conducted at a low temperature of _____ on _____.
3. Add above listed stoves to the soldiers DD 348.
4. POC is the undersigned at 353-####.

DUDLEY X. SMITH
SSG, USA
CWIC NCOIC

Attachment 4: Equipment and Resources Recommended:

Item	Number/Size	Remarks
Classroom	1 to accommodate students	1 instructor per 25 students for classroom instruction
Projection Screen	1	
Multimedia Computer and projector	1	Download all lessons and PowerPoint presentations at http://www.wainwright.army.mil/nwtc/
USARAK Pamphlet 385-4	1 per student	http://www.wainwright.army.mil/nwtc/Classes/NWTC_Risk_Management_Mountain_Operations_FY14.pdf
Snowshoes w/ bindings	1 pair per student	MSR military w/ 8 inch flotation tails or Military Magnesium snowshoes w/ bindings
Scow-sled, 200 lbs. capacity (ahkio)	1 per nine students	
Tent, ten-man Arctic, with telescoping pole, pole board, and 12 tent pins	1 per nine students	Cut two 6 foot door poles per tent
SHA with stove board and tripod	1 per nine students	
Five gallon fuel can	1 per nine students	
Five gallon water can	1 per nine students	
D-handle coal shovels	2 per nine students	
Machetes (with sheath)	2 per nine students	
Squad cook sets	2 per nine students	
Squad stoves	2 per nine students	
Fuel bottles	2 per nine students	

Bow saw	1 per nine students	
Ax	1 per nine students	
Hammers 2 lb.	2 per nine students	
120 ft. rope	1 per nine students	
Trace, ahkio pulling, 9 ft	4 per nine students	
Tow Rope 27 feet	1 per nine students	
Harnesse s, ahkio towing	4 per nine students	
Fire extinguisher	1 per nine students	
Lantern, gasoline*, with case	1 per nine students	
H-45 Stove w/ 5 gallon fuel can and tripod	1 per nine students	
Improvised shelter materials		Enough timber to construct thermal shelters
Meal, Cold Weather (MCW)	1 per student per meal	



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FORT WAINWRIGHT, ALASKA 99703-9900

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MEMORANDUM FOR: Student enrolled in Cold Weather Indoctrination & Certification I-II (CWIC)

SUBJECT: Individual Student Assessment Plan (ISAP) for CWIC I-II

1. Introduction. CWIC is the United States Army Alaska's Cold Weather Indoctrination & Certification (CWIC) program. You live, work, and play in one of the harshest environments in the world. You must possess the necessary skills to train to go to war in this demanding environment, despite these conditions. The CWIC program gives you, regardless of your job, the foundation to successfully work and train in the cold weather environment.

2. CWIC.

a. **Course Purpose.** To train all Soldiers within the USARAK footprint, regardless of job function, in the basic skills required to successfully train and operate in Cold Regions. Attendees will gain confidence in their cold weather clothing and equipment and their ability to care for themselves in the cold weather environment.

b. **Course Scope.** Emphasis is placed on developing the:

- (1) ability to prevent, identify and treat cold weather injuries.
- (2) knowledge of the effects of cold on vehicles and weapons.
- (3) ability to operate and maintain vehicles and weapons in the cold weather.
- (4) ability to move over snow covered terrain using snowshoes.
- (5) ability to safely use Army approved shelter and heaters.
- (6) ability to survive in temperatures below 10° F with only issued cold weather clothing and equipment.
- (7) ability to apply the risk management process to cold weather training and operations.

3. Testing. You will be expected to perform a number of practical exercises throughout this course. You will be evaluated on a GO/NO GO basis. The CWIC Skills Evaluation Guide contains standards you must attain in order to graduate from the course.

4. Academic Retraining/Retesting: Retraining and retesting will be conducted during IAW the training schedule.

a. If you fail a test, you will receive re-training from a CWIC instructor.

b. After re-training is conducted, you will be re-tested.

5. Counseling:

a. Counseling is conducted to provide you with advice and guidance concerning improvement of your current or future performance. It is aimed at providing you positive guidance. Your instructors counsel you to praise and reward good performance, to develop teamwork, to inform you on how well you are performing, to assist you to reach required standards, to help you resolve personal problems, and to encourage and motivate you to set and work toward achieving personal and professional goals.

b. Formal and informal counseling will be conducted by the instructors when you are or appear to be having an academic or non-academic problem.

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SUBJECT: CWIC ISAP

(1) Formal counseling will be provided when your academic standing falls to borderline failing status or if you fail to comply with standards of academic integrity and conduct. If you are formally counseled, a counseling form will be completed and you will be provided a copy.

(2) Informal counseling will be provided when an instructor believes it would benefit you or when you ask for assistance.

6. Testing out. You may not test out on any portion of this course.

7. POC this memorandum is _____.

Commander's signature block

CWIC II SKILLS EVALUATION GUIDE

Name/Rank: _____ Unit: _____ Date: _____

Squad: _____ Instructor: _____ Class # _____

		SKILL EVALUATION	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
1	TENT AND STOVE DRILL	Operate an Arctic Ten Man Tent	GO NOGO		GO NOGO	
2		Operate a Space Heater Arctic	GO NOGO		GO NOGO	
3		Operate a Squad Stove	GO NOGO		GO NOGO	
4		Operate a Squad Lantern	GO NOGO		GO NOGO	
5		Operate an Ahkio Sled	GO NOGO		GO NOGO	
9		Operate a H-45 Space Heater	GO NOGO		GO NOGO	
12		Construct Improvised Shelters (thermal shelter) (1 night CWIC)	GO NOGO		N/A	
13		Occupy a Patrol Base in Cold Regions (1 night CWIC)	GO NOGO		GO NOGO	
14		Construct a Fighting Position in a Snow Covered Environment	GO NOGO		GO NOGO	
15	PE TO Perform Vehicle Maintenance in Extreme Cold Weather	Perform Vehicle Recovery (SUSV)	GO NOGO		N/A	
16		Install Tire Chains on a Vehicle (HMMWV)	GO NOGO		N/A	
17		Perform Preventive Maintenance Checks and Services on a Vehicle (SUSV)	GO NOGO		N/A	
18		Employ Individual Camouflage in a Snow Covered Environment	GO NOGO		N/A	
19		Engage Targets in a Snow Covered Environment	GO NOGO		N/A	
20		Evacuate a Hypothermic Casualty	GO NOGO		GO NOGO	
21		Move Safely in Avalanche Terrain	GO NOGO		GO NOGO	

PASS FAIL

Instructor Signature _____

** Asterisk next to steps indicate "Critical Performance Measure"
Students must meet Critical Performance Measures in order to receive a "GO"*

Squad Evaluation					
ACTION	Operate an Arctic Ten Man Tent (PITCH)				
CONDITION	In a field environment given a serviceable Arctic ten-man tent, and an area large enough to set up the tent. Perform lesson with a squad/team of no less than 5 personnel. While wearing ECWCS appropriate to weather conditions. Fighting load carrier, ballistic helmet and weapon may be grounded within easy reach.				
STANDARD	Squad: Erected tent within 15 minutes. Recovered the tent within 10 minutes. Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	TM 10-8340-222-10 and TM 10-4520-261-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Dug snow to ground level or packed snow firmly.	GO NOGO		GO NOGO	
*2	Extended tent out. Positioned tent so that main door is at a 45 degree angle away from downwind.	GO NOGO		GO NOGO	
*3	Zipped both door entrances shut.	GO NOGO		GO NOGO	
*4	Extended all corner eave lines. Marked spots on the ground approximately 6 feet (two steps) from each corner of the tent. Drove tent pins on the mark. Pins angled slightly away from the tent.	GO NOGO		GO NOGO	
*5	Attached six corner eave lines to the pins but left them slack. Corner eave lines are in line with their corresponding seam of the tent.	GO NOGO		GO NOGO	
*6	Extended and locked center pole to between 6 and 8 feet. Placed the stud at the top of the pole through the hole in the perforated metal plate at the roof apex. Held the pole vertically and placed the pole board underneath the base of the pole.	GO NOGO		GO NOGO	
*7	Tightened the corner eave lines. Maintained vertical position of pole. Two Soldiers at opposite corner eave lines pulled at the same time to tighten. Continued using this process for the remainder of corner eave lines.	GO NOGO		GO NOGO	
*8	Attached the corner lines to the same tent pins as the corner eave lines. Corner eave lines and corner lines must be in line with their corresponding seam.	GO NOGO		GO NOGO	
*9	Marked spots approximately 6 feet from the four eave lines. Drove tent pins at these marks. Attached and tightened the four eave lines.	GO NOGO		GO NOGO	
*10	Anchored the two door eave lines. For each door, drove a tent pin approximately 6 feet from the tent. Held the door pole vertically about 3 feet	GO NOGO		GO NOGO	

	from the tent door. Positioned a clove hitch about five feet up on the door pole. Secured and tightened the end of the line to the pin. Door height is approximately 4 feet.				
*11	Opened four ventilators.	GO NOGO		GO NOGO	
*12	Positioned fire extinguisher at the center pole.	GO NOGO		GO NOGO	
*13	Opened and secured stove pipe opening flaps in preparation for using a stove to heat the shelter.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Squad Evaluation					
ACTION	Operate a Space Heater Arctic (SHA)				
CONDITION	In a field environment given a serviceable SHA, five gallon can of JP8, lighter and tissue paper.				
STANDARD	Assemble and light the SHA using liquid fuel within 15 minutes. Disassemble and stow the SHA within 5 minutes. Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	TM 10-8340-222-10 and TM 10-4520-261-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Stove board placed on flat surface	GO NOGO		GO NOGO	
*2	Stove door facing main entrance	GO NOGO		GO NOGO	
*3	Rear door is reinstalled after removing stove parts from stove body.	GO NOGO		GO NOGO	
*4	For liquid fuels, solid fuel grate is removed and burner cover assembly is installed into the door frame (blocking the area behind the front door). Front door is closed.	GO NOGO		GO NOGO	
*5	For solid fuels, burner cover assembly is installed over the burner assembly opening and the solid fuel grate is installed with the 'legs' down.	GO NOGO		GO NOGO	

*6	Fuel flow control valve is fully seated on the heater body.	GO NOGO		GO NOGO	
*7	Fuel control outflow hose is properly connected to the fuel flow control valve.	GO NOGO		GO NOGO	
*8	Fuel supply hose is properly connected to the fuel flow control valve, fuel line is routed away from stove body.	GO NOGO		GO NOGO	
*9	Overflow hose is properly connected to the fuel flow control valve and routed outside of the tent along a down-slope and below the level of the fuel flow control valve.	GO NOGO		GO NOGO	
*10	Fuel flow control valve is in the "OFF" position.	GO NOGO		GO NOGO	
*11	Lowest part of inverted fuel can is between 2 and 3 feet above fuel flow control valve.	GO NOGO		GO NOGO	
*12	Lowest part of inverted fuel can is the fuel can adapter.	GO NOGO		GO NOGO	
*13	Drip interceptor loop within 12 inches of fuel can adapter.	GO NOGO		GO NOGO	
*14	Fuel can inverted and secured to tripod prior to lighting stove.	GO NOGO		GO NOGO	
*15	Stove pipes connected in sequence w/ seams aligned.	GO NOGO		GO NOGO	
*16	Stack cap assembly guy lines secured to tent from 3 separate, opposing points.	GO NOGO		GO NOGO	
*17	Stove pipe opening flaps rolled up and tied off away from stove pipes.	GO NOGO		GO NOGO	
*18	Fuel flow control valve is set in accordance with outside temperature.	GO NOGO		GO NOGO	
*19	Fuel ON/OFF control knob turned to ON and allow to prime for 2-5 minutes.	GO NOGO		GO NOGO	
*20	Priming cup filled using priming valve on the fuel supply hose.	GO NOGO		GO NOGO	
*21	Fuel from priming cup is poured into the bottom of burner.	GO NOGO		GO NOGO	
*22	Stove is ignited with a burning piece of paper or tissue tossed into bottom of the burner.	GO NOGO		GO NOGO	
*23	Lid assembly is closed.	GO NOGO		GO NOGO	
*24	As heater warms, flow adjustment knob is turned to adjust heat output.	GO NOGO		GO NOGO	

*25	Stove is not allowed to burn too hot (e.g. cherry red)	GO NOGO		GO NOGO	
*26	Fuel flow control valve must be turned "OFF" prior to changing fuel can	GO NOGO		GO NOGO	
*27	All tent occupants awake & prepared for emergency exit during refueling & re-lighting operations	GO NOGO		GO NOGO	
*28	Fire guard alert and monitoring fuel flow rate and adjusts as necessary, when stove is in operation	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Squad Evaluation					
ACTION	Disassemble and Pack a Space Heater Arctic				
CONDITION	Given an arctic 10-man tent and SHA, properly set up with the stove in operation. This task will be performed by two individuals and evaluated collectively.				
STANDARD	The stove must be disassembled and packed so that all stove components fit inside the stove body with the stove door closed. All critical performance measures for the next this and the next two evaluations must be met within 30 minutes.				
REFERENCES	TM 10-8340-222-10 and TM 10-4520-261-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Fuel Flow Control Valve placed in the "OFF" position	GO NOGO		GO NOGO	
*2	Fuel can removed from tripod	GO NOGO		GO NOGO	
*3	Stove is allowed to cool.	GO NOGO		GO NOGO	
*4	Fuel lines are disconnected and purged of excess fuel	GO NOGO		GO NOGO	
*5	Fuel flow control valve is removed and purged of excess fuel; place valve in the "ON" position for storage	GO NOGO		GO NOGO	
*6	Stack cap assembly guy lines untied and stove pipes removed; stack cap guy lines are <i>daisy chained</i> together	GO NOGO		GO NOGO	
*7	Stove pipes nested in sequence with seams off-set	GO NOGO		GO NOGO	

*8	Gravity feed adapter removed; fuel can cap re-installed	GO NOGO		GO NOGO	
*9	Stove components are repacked IAW the TM; all components must fit in the stove body	GO NOGO		GO NOGO	

	Individual evaluation
ACTION	Operate a Squad Stove.
CONDITION	In a field environment given a serviceable squad stove and one liter of fuel, while wearing Extended Cold Weather Clothing System (ECWCS) appropriate to weather conditions.
STANDARD	Assembled and lit the squad stove within 10 minutes. Disassembled and stowed the squad stove in 5 minutes. Meet all critical performance measures IAW the student evaluation plan.

REFERENCES	NWTC Cold Weather Operations Manual
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	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Pump assembly inserted into fuel bottle & tightened snugly	GO NOGO		GO NOGO	
2	Heat reflector properly positioned on stove body	GO NOGO		GO NOGO	
3	Stove legs positioned properly into notches of burner housing	GO NOGO		GO NOGO	
4	Fuel line inserted into pump w/ gentle pressure & twisting motion	GO NOGO		GO NOGO	
*5	Fuel line catch arm secured to pump assembly at notch	GO NOGO		GO NOGO	
*6	Stove & fuel bottle placed on a level, non-flammable surface	GO NOGO		GO NOGO	
*7	Fuel bottle pressurized with 5 to 15 pumps	GO NOGO		GO NOGO	
*8	Fuel valve opened - wick saturated (burner cup partially filled) with fuel	GO NOGO		GO NOGO	
*9	Fuel valve turned "OFF" during lighting & warm-up	GO NOGO		GO NOGO	
*10	Wick lit; allowed to burn until flame begins to diminish & generator tube warms	GO NOGO		GO NOGO	
11	Valve opened & adjusted to desired setting (do not exceed 2 full turns)	GO NOGO		GO NOGO	
12	Additional 3 to 4 pumps added when necessary to maintain bottle pressure	GO NOGO		GO NOGO	

NOTE: Too much pressure in fuel bottle causes stove to function poorly w/ sporadic flame. Avoid over-pressuring the fuel bottle with too many pumps.

GO NO GO

Comments: _____

Squad evaluation					
ACTION		Operate an Arctic Ten Man Tent (STRIKE)			
CONDITION		In a field environment given a serviceable Arctic ten-man tent, and an area large enough to set up the tent. Perform lesson with a squad/team of no less than 5 personnel. While wearing ECWCS appropriate to weather conditions. Fighting load carrier, ballistic helmet and weapon may be grounded within easy reach.			
STANDARD		Erected tent within 15 minutes. Recovered the tent within 10 minutes. Meet all critical performance measures IAW the student evaluation plan.			
REFERENCES		TM 10-8340-222-10 and TM 10-4520-261-12&P			
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
1	Packed all personal gear at least 30 minutes prior to striking the tent.	GO NOGO		GO NOGO	
2	No later than fifteen minutes prior to striking the tent, stove turned off and allowed to cool, and all personal gear placed outside of tent in an organized manner.	GO NOGO		GO NOGO	
3	Removed any tent group equipment and packed in Ahkio.	GO NOGO		GO NOGO	
*4	Disassembled and packed stove when cool to touch.	GO NOGO		GO NOGO	
5	Removed, rolled and secured corner lines and eave lines. Pulled all eave line tent pins as this is done and placed tent pins in Ahkio.	GO NOGO		GO NOGO	
*6	Zipped liner and tent doors fully closed.	GO NOGO		GO NOGO	
7	Removed tent pole and pole board. Collapsed pole and placed it and the pole board in the Ahkio.	GO NOGO		GO NOGO	
8	Removed corner eave lines and fully extended each line. Removed remaining tent pins and	GO NOGO		GO NOGO	

	placed them in the Ahkio.				
9	Shook the tent to clear ice, snow and debris. Spread the tent out by pulling on the apex. Folded the tent accordion style.	GO NOGO		GO NOGO	
*10	<i>Daisy chained</i> the six corner eave lines together.	GO NOGO		GO NOGO	
11	Folded the tent in half lengthwise with the daisy chain folded inside.	GO NOGO		GO NOGO	
12	Placed the two shovels opposite one another in the center of tent. Folded the tent into thirds and placed it next to the Ahkio.	GO NOGO		GO NOGO	
13	Removed any remaining equipment and/or trash from the tent site.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Squad evaluation					
ACTION	Operate an Ahkio Sled (PACK)				
CONDITION	In a field environment on snow covered terrain, given an Ahkio with unit prescribed sustainment equipment, four traces, and four harnesses while wearing ECWCS appropriate to weather conditions, ballistic helmet, fighting load carrier, weapon.				
STANDARD	Packed unit prescribed sustainment equipment into the Ahkio so balance is maintained. Hauled the Ahkio over a designated course.				
REFERENCES	NWTTC Cold Weather Operations Manual				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
1	Place tent pins in bottom center of Ahkio with the heads opposite each other. Place hammers on floor of sled on either end of the tent pins, heads opposite one another.	GO NOGO		GO NOGO	
2	Place bow saw on top of tent pins.	GO NOGO		GO NOGO	
3	Place stove board on top of bow saw.	GO NOGO		GO NOGO	
4	Place fire extinguisher, center pole, axe, two MSR fuel bottles and machetes on either side of the stove board, along the sides of the sled, ensuring that the weight is distributed evenly.	GO NOGO		GO NOGO	

5	To the rear of the stove board, place fuel can and water can. Fuel can opening is up and to the rear and is double bagged with HAZMAT pads for transport. Water can opening is down and towards the front of the Ahkio.	GO NOGO		GO NOGO	
6	Lantern (in case) is placed in front of stove board, perpendicular to the long axis of the sled. Two cook sets are placed in front of the lantern.	GO NOGO		GO NOGO	
7	Place repair kit (ammo can) in front of the lantern. Place squad stoves on the either side of the sled next to the cook sets.	GO NOGO		GO NOGO	
8	Place the pole board in front of the repair kit. Place the 120 foot rope, traces and harnesses on top of the pole board.	GO NOGO		GO NOGO	
9	Place SHA on top of and slightly to the rear of the stove board.	GO NOGO		GO NOGO	
10	Place the tent with shovels (so that the apex is toward the front of sled) on the SHA).	GO NOGO		GO NOGO	
11	Fold two canvas ends of Ahkio sled over sled contents. Fold sides of canvas over sled contents.	GO NOGO		GO NOGO	
12	Place the tripod and door poles on top of canvas (field expedient poles only). The manufactured tripod and collapsible door poles should be secured inside the sled with the center pole. Secure the contents of sled with the lashing rope from rear to front.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Squad Evaluation					
ACTION	Operate an Ahkio Sled (HAUL)				
CONDITION	In a field environment on snow covered terrain, given an Ahkio with unit prescribed sustainment equipment, four traces, and four harnesses while wearing ECWCS appropriate to weather conditions, ballistic helmet, fighting load carrier, weapon.				
STANDARD	Packed unit prescribed sustainment equipment into the Ahkio so balance is maintained. Hauled the Ahkio over a designated course.				
REFERENCES	NWTC Cold Weather Operations Manual				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Prepared the Soldiers for hauling ensuring harnesses are draped over the body, buckled and attached to the appropriate ring for position on the main line.	GO NOGO		GO NOGO	
*2	Prepared Ahkio for flat or gently sloped terrain; all four pullers up front, tow ropes hooked to the rear of the harness	GO NOGO		GO NOGO	
*3	Prepared Ahkio for moderately sloped terrain downhill; pullers and brakemen designated as necessary and hooked up properly.	GO NOGO		GO NOGO	
*4	Prepared Ahkio for side hill traverse; pullers and brakemen designated as necessary and hooked up properly.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Individual Evaluation					
ACTION	Operate an H-45 Space Heater. (ASSEMBLY)				
CONDITION	In a field environment given a serviceable H-45, five gallon can of JP8, lighter, tissue paper and an area large enough to set up the stove				
STANDARD	Assemble and light the H45 using liquid fuel within 15 minutes. Disassemble and stow the H45 within 5 minutes. Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	TM 10-4520-257-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Stove board placed on flat surface. If used in a tent with a floor the base is placed in a sand box or on bricks.	GO NOGO		GO NOGO	
*2	Stove components removed from body	GO NOGO		GO NOGO	
*3	Burner shell rotated so that pipe nipple aligns with the left side of door opening.	GO NOGO		GO NOGO	
*4	Burner shell assembly and adapter ring welded to top is level and fully engaged around the circumference of the heater body base.	GO NOGO		GO NOGO	
*5	Superheated and burner cap assemblies and high fire ring are all in place.	GO NOGO		GO NOGO	
*6	Fuel flow control valve is properly attached to the stove body.	GO NOGO		GO NOGO	
*7	Supply flow control hose assembly, flow control burner hose assembly and overflow hose assembly are properly routed and attached to the fuel flow control.	GO NOGO		GO NOGO	
*8	Fuel flow control is in the 'OFF' position.	GO NOGO		GO NOGO	
*9	Lowest part of inverted fuel can is between 2 and 3 feet above fuel flow control.	GO NOGO		GO NOGO	
*10	Lowest part of inverted fuel can is the gravity feed adapter.	GO NOGO		GO NOGO	
*11	Drip interceptor loop within 1 foot of fuel can adapter.	GO NOGO		GO NOGO	
*12	Fuel can inverted and secured to tripod prior to lighting stove.	GO NOGO		GO NOGO	
*13	Stove pipes connected w/ seams aligned. All six pipe sections are used.	GO NOGO		GO NOGO	
*14	Stack cap assembly guy lines secured to tent from 3 Separate, opposing points.	GO NOGO		GO NOGO	

*15	Stove pipe opening in tent must be serviceable.	GO NOGO		GO NOGO	
*16	Stove pipe opening flaps rolled up and tied off away from stove pipes.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

Individual Eval					
ACTION	Operate an H-45 Space Heater. (LIGHTING)				
CONDITION	In a field environment given a serviceable H-45, five gallon can of JP8, lighter, tissue paper and an area large enough to set up the stove				
STANDARD	Assemble and light the H45 using liquid fuel within 15 minutes. Disassemble and stow the H45 within 5 minutes. Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	TM 10-4520-257-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Both base heater doors are open prior to lighting. Wing nuts securing top of heater to heater body base are secure.	GO NOGO		GO NOGO	
*2	Fuel flow control valve is set in accordance with outside temperature.	GO NOGO		GO NOGO	
*3	Fuel ON/OFF control knob turned to ON. Stove is allowed to prime for 5-10 minutes with the fuel flow adjustment knob on the "HI" setting and is then turned down to Position 3 after 5-10 minutes.	GO NOGO		GO NOGO	
*4	Priming cup filled using priming valve on the fuel supply hose.	GO NOGO		GO NOGO	
*5	Fuel from priming cup is poured into the bottom of burner.	GO NOGO		GO NOGO	
*6	Stove is ignited with a burning piece of paper or tissue tossed into bottom of the burner if using diesel or JP5-8.	GO NOGO		GO NOGO	
*7	Lid assembly is closed (not locked) and fuel flow adjustment knob is left at position 3.	GO NOGO		GO NOGO	
*8	As heater warms, flow adjustment knob is turned to	GO		GO	

	adjust heat output.	NOGO		NOGO	
*9	Stove is not allowed to burn too hot (e.g. cherry red).	GO NOGO		GO NOGO	
*10	Fuel flow control must be turned "OFF" prior to changing fuel can.	GO NOGO		GO NOGO	
*11	Stove must be to "cool-to-touch" prior to refueling/ re-lighting	GO NOGO		GO NOGO	
*12	All tent occupants awake & prepared for emergency exit during refueling & re-lighting operations	GO NOGO		GO NOGO	
*13	Fire guard alert and monitoring fuel flow rate and adjusted as necessary, when stove is in operation	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

	Individual Eval				
ACTION	Operate an H-45 Space Heater. (DISSASSEMBLE & STOW)				
CONDITION	In a field environment given a serviceable H-45, five gallon can of JP8, lighter, tissue paper and an area large enough to set up the stove				
STANDARD	Assemble and light the H45 using liquid fuel within 15 minutes. Disassemble and stow the H45 within 5 minutes. Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	TM 10-4520-257-12&P				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Fuel flow control valve placed in the "OFF" position; stove is allowed to shut down.	GO NOGO		GO NOGO	
*2	Fuel can removed from tripod; gravity feed adapter removed	GO NOGO		GO NOGO	
*3	Fuel lines removed from gravity feed adapter and fuel flow control valve	GO NOGO		GO NOGO	
*4	Fuel lines are purged of excess fuel; fuel flow control valve is purged of excess fuel; fuel flow control valve placed in the "ON" position for storage	GO NOGO		GO NOGO	
*5	Stove is allowed to cool.	GO NOGO		GO NOGO	

*6	Stove pipes and stack cap removed.	GO NOGO		GO NOGO	
*7	Wing nuts loosened and top heater shell removed; burner shell assembly removed from heater body base.	GO NOGO		GO NOGO	
*8	Excess soot or ashes removed prior to packing; burner shell assembly returned to heater body base after cleaning.	GO NOGO		GO NOGO	
*9	Top heater shell replaced and secured with wing nuts.	GO NOGO		GO NOGO	
*10	Lid opened and all components returned to heater body base.	GO NOGO		GO NOGO	

Note - * denotes a critical task

GO NO GO

Comments: _____

Buddy Team Eval					
ACTION	Construct Improvised Shelters in Snow Covered Terrain				
CONDITION	In a snow covered environment with temperatures of 10 degrees F or colder, given a bow saw, parachute, 100 feet of 550-cord (thermal shelter only), shovel(s), Extended Cold Weather Clothing System appropriate to temperature, issued cold weather sleep system with insulating pad and other equipment prescribed by unit.				
STANDARD	Construct an improvised shelter. Sleep in the shelter for approximately 8 hours without the aid of an external heat source. Do not receive a cold weather injury during the bivouac. Meet all critical performance measures IAW the Individual Student Assessment Plan (ISAP).				
REFERENCES	NWTC Cold Weather Operations Manual				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Removed snow and ice exposing the ground surface.	GO NOGO		GO NOGO	
*2	Constructed the framework from available materials.	GO NOGO		GO NOGO	
*3	Ensured front and sides of framework are sloped enough to retain snow.	GO NOGO		GO NOGO	
*4	Framed door opening is large enough so a heavily clothed soldier will fit through opening.	GO NOGO		GO NOGO	

*5	Door opening is 1-2 feet above ground to ease entry and exit.	GO NOGO		GO NOGO	
*6	Covered framework with poncho, parachute, evergreen boughs or other suitable material. Extended material 1-2 feet beyond skirt of framework.	GO NOGO		GO NOGO	
*7	Secured material with logs rocks or snow, etc.	GO NOGO		GO NOGO	
*8	Cut a hole in material over door opening; material overlaps door frame. Lashed material to door frame for a secure fit.	GO NOGO		GO NOGO	
*9	Tied a 10-12in diameter log or bundle of sticks above door frame to support snow load.	GO NOGO		GO NOGO	
*10	Covered entire framework with 8-10 in of snow.	GO NOGO		GO NOGO	
*11	Created a door plug with trash bag or waterproof bag filled with snow or with a rucksack.	GO NOGO		GO NOGO	
12	Low temperature during the bivouac	N/A		N/A	

Note - * denotes a critical task

GO NO GO

Comments: _____

Squad Eval						
ACTION		Occupy a Patrol Base in Cold Regions				
CONDITION		In a snow covered environment with temperatures of 10 degrees F or colder, given a standard Ahkio group or tent and stove normally used by the unit in the field, field training area large enough to accommodate the unit, while wearing Extended Cold Weather Clothing System (ECWCS), fighting load carrier, ballistic helmet, weapon and rucksack with prescribed packing list.				
STANDARD		Occupy and operate from a patrol base(s) for five nights Cold Weather Leaders Course (CWLC) or one night for Cold Weather Orientation Course (CWOC) or one night for Cold Weather Indoctrination and Certification (CWIC). Do not sustain any cold weather injuries. Meet all critical performance measures IAW the Individual Student Assessment Plan (ISAP).				
REFERENCES		TASK #071-720-0006 NWTC Cold Weather Operations Manual				
	Performance Measures		FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Established a track plan before main body enters the site.		GO NOGO		GO NOGO	
*2	Selected defensive sectors. Established defensive		GO		GO	

	positions along the outer edge of the inner perimeter track.	NOGO		NOGO	
*3	Marked all bivouac areas.	GO NOGO		GO NOGO	
*4	Established and maintained a central latrine and waste disposal site.	GO NOGO		GO NOGO	
*5	Established a snow collection point for water procurement.	GO NOGO		GO NOGO	
6	Low temperature during the bivouac	N/A		N/A	

Note - * denotes a critical task

GO NO GO

Comments: _____

Squad Evaluation					
ACTION		Construct a Fighting Position in a Snow Covered Environment			
CONDITION		In a snow covered field environment given a specific location with trees able to support a wall, a sector of fire, snow, logs, binding materials, and pioneer tools. While wearing Extended Cold Weather Clothing System appropriate to conditions, fighting load carrier, ballistic helmet and weapon. Fighting load carrier and weapon may be grounded but remain within easy reach. A location for ice-crete will be furnished if it is necessary to produce ice-crete blocks. This location will have a water source, gravel source, forms of uniform size and snow.			
STANDARD		Construct a fighting position wide enough for yourself, battle buddy and all equipment. Clear assigned sector of fire. Provide side, rear and overhead cover.			
REFERENCES		NWTC Cold Weather Operations Manual			
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Constructed Tree and Log Form, Tree Supported Wall or Tripod Supported Wall	GO NOGO		GO NOGO	
*2	Position is at least chest high	GO NOGO		GO NOGO	
*3	Logs secured such that they do not fall apart when beamed	GO NOGO		GO NOGO	
*4	Snow berm is prepared with snow from behind the position, packed to a thickness of 8 ft. and camouflaged.	GO NOGO		GO NOGO	

GO NO GO

Comments: _____

ACTION	Move Over Snow on Snowshoes				
CONDITION	In a field environment given the military snowshoe with bindings, ski poles, rucksack (with a minimum load of sleeping bag, sleeping pad, extra pair of socks, extra pair of mitten inserts, additional packing list items may be prescribed by unit), while wearing ECWCS, ballistic helmet, fighting load carrier, weapon and a 5/10 kilometer snow-covered course with varied terrain.				
STANDARD	Complete a 5/10 kilometer snowshoe movement Meet all critical performance measures IAW the student evaluation plan.				
REFERENCES	NWTC Cold Weather Operations Manual				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Soldier moved over a 5 kilometer course, with no assistance.	GO NOGO		GO NOGO	
*2	Soldier did not sustain a cold weather injury	GO NOGO		GO NOGO	
3	Time_____				

GO NO GO

Comments: _____

ACTION	Employ Individual Camouflage in a Snow Covered Environment				
CONDITION	In any snow covered field environment above or below tree line while wearing Extended Cold Weather Clothing System appropriate to conditions, fighting load carrier, ballistic helmet, weapon, and rucksack. Given a set of over whites (trousers, parka, mitten covers, helmet cover and rucksack cover), tape if available.				
STANDARD	Select the camouflage outerwear appropriate for the terrain. Camouflage equipment and weapon without affecting the function. Change camouflage scheme as the conditions change.				
REFERENCES	NWTC Cold Weather Operations Manual				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Soldier selected appropriate over white combination for given terrain.	GO NOGO		GO NOGO	
*2	Soldier changed camouflage scheme as necessary	GO NOGO		GO NOGO	

GO NOGO

Comments: _____

ACTION	Engage targets in a snow covered environment				
CONDITION	In a field environment on a range given a M4 or M16, 30 rds. M855 Ball, while wearing Extended Cold Weather Clothing System (ECWCS) appropriate to the temperature, fighting load carrier, ballistic helmet, over white set as needed, skis or snowshoes and ski poles.				
STANDARD	Engage targets from a standing, kneeling and prone position on skis or snowshoes. Hit 25 of 30 targets.				
REFERENCES	NWTC Cold Weather Operations Manual				
	NOTE: Live fire is NOT required to teach this lesson. Crew served weapons are not required if the unit does not possess them.				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Soldier demonstrated kneeling position on snowshoes.	GO NOGO		GO NOGO	
*2	Soldier demonstrated standing position on snowshoes	GO NOGO		GO NOGO	
*3	Soldier demonstrated prone position on snowshoes	GO NOGO		GO NOGO	
4	Soldier negotiated Individual Movement Techniques lane if applicable	GO NOGO		GO NOGO	

Comments: _____

	Squad Eval				
ACTION	Perform Vehicle Maintenance in Extreme Cold Weather				
CONDITION	In temperatures of 32° F to -60 °F, given the requirement to maintain and operate a military vehicle, and the correct technical manual and lubrication orders for the vehicle.				
STANDARD	Identify the common problems with cold weather vehicle operation. Take steps to reduce or eliminate problems caused by the cold before, during, and after operations.				
REFERENCES	NWTC Cold Weather Operations Manual ; TM 9-2350-285-10				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Squad performed before operations checks	GO NOGO		GO NOGO	
*2	Squad performed during operations checks	GO NOGO		GO NOGO	
3	Squad performed after operations checks	GO NOGO		GO NOGO	

Comments: _____

Squad Eval					
ACTION		Perform Vehicle Recovery in a Cold Weather Environment			
CONDITION		Given TM 9-2350-285-10, a Small Unit Support Vehicle with associated Basic Issue Items, mired vehicle and a requirement to perform recovery			
STANDARD		Squad: - correctly installed the winch IAW TM 9-2350-285-10 paragraph 2-14 - did not sustain a cold weather or other injury. - met all critical performance measures IAW the student/instructor evaluation plan. -did not damage equipment -mired vehicle was recovered			
REFERENCES		NWTC Cold Weather Operations Manual ; TM 9-2350-285-10			
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Prepared winch for operation- (1) Release latch, pull out pin, and remove winch from stow- age bracket. Install on front Of vehicle. (2) Install winch mounting pin. (3) Plug one end of power cable into vehicle slave receptacle at rear of driver's seat and one end in power receptacle on winch. (4) Connect remote control cable to winch control receptacle.	GO NOGO		GO NOGO	
*2	Operated winch-Ensure that the area is clear twice the length of the cable. Operator must stand behind the winch to the side of the winching vehicle. (1) Start engine (2) Move remote control toggle switch to wind OUT position. Release remote control toggle switch as soon as winch cable has some slack. (3) Pull up drum lock and turn it one turn to unlock winch drum. (4) Pull out needed length of winch cable by hand. (5) Remove tackle block from stowage location (6) Attach tackle block with winch cable to vehicle or permanent fixture. (7) Turn drum lock until it falls into lock position. (8) Move remote control toggle switch to wind IN position. The mired vehicle should move. Once the vehicle is free release remote control toggle switch to stop winching movement. (9) Move remote control toggle switch to wind OUT position until cable is slack. (10) Disconnect winch cable.	GO NOGO		GO NOGO	

3	<p>Prepare Winch for Travel.</p> <p>(1) Disconnect tackle block with winch cable from vehicle or permanent fixture.</p> <p>(2) Maintain tension on winch cable to ensure that it winds evenly on drum.</p> <p>(3) Move remote control toggle switch to wind IN position.</p> <p>(4) Remove tackle block from winch cable and stow in stowage location.</p> <p>(5) Wind IN cable until cable hook is near winch and release remote control toggle switch</p> <p>(6) Attach cable hook to winch pipe bracket.</p> <p>(7) Move remote control toggle switch to wind IN position until cable has slight tension and release remote control toggle switch.</p> <p>(8) Shut off engine.</p> <p>(9) Disconnect and stow remote control cable and power cable.</p> <p>(10) Remove and stow winch</p>	<p>GO NOGO</p>		<p>GO NOGO</p>	
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Comments: _____

Squad Eval					
ACTION	Install Tire Chains on a Vehicle (HMMWV)				
CONDITION	Given TM 9-2320-285-10, a wheeled vehicle with associated Basic Issue Items, maintenance facility and a requirement to install tire chains.				
STANDARD	<p>Squad:</p> <ul style="list-style-type: none"> - did not sustain a cold weather injury. - met all critical performance measures IAW the student/instructor evaluation plan. -did not damage equipment 				
REFERENCES	NWTC Cold Weather Operations Manual ; TM 9-2350-285-10				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Spread out tire chain assembly and lined up with tire.	GO NOGO		GO NOGO	
*2	Cautiously moved or drove vehicle over tire chain assembly until wheel was positioned at either end of chain assembly allowing tire chain assembly to be draped up and over tire.	GO NOGO		GO NOGO	
*3	Maneuvered tire chain assembly until cross-link	GO NOGO		GO NOGO	

	sections were evenly spaced around tire. Secured one side of tire chain assembly to tire by hooking inside fastener to chain assembly. Tightened chain assembly as much as possible.				
*4	Repeated steps 1 through 3 until all tire chain assemblies have been properly installed.	GO NOGO		GO NOGO	
*5	Hooked end fastener to chain assembly and secure with locking retainer to tighten chain assembly. Ensured as many chain links as possible lay between the sidewall head lugs on both sides of tires.	GO NOGO		GO NOGO	
*6	Moved vehicle forward a few feet and retighten chain assembly to remove any slack from where tire was resting on chain assembly. Secure loose chain linkage to chain assembly with wire or other field expedient method.	GO NOGO		GO NOGO	
7	After vehicle is driven one or two miles, stopped and retightened tire chains. Ensured as many chain links as possible laid between sidewall head lugs on both sides of tires.	GO NOGO		GO NOGO	
8	After final tightening, secure loose chain linkage to chain assembly with wire or other field expedient method.	GO NOGO		GO NOGO	
9	Occasionally checked tire chains during operations to ensure tire chains have not slipped.	GO NOGO		GO NOGO	
*10	Detached locking retainer from end fastener and unhook end fastener from chain assembly.	GO NOGO		GO NOGO	
*11	Unhooked inside fastener from chain assembly and removed chain assemblies from tires.	GO NOGO		GO NOGO	
*12	Drove vehicle off chain assemblies	GO NOGO		GO NOGO	
*13	Stowed tire chain assemblies	GO NOGO		GO NOGO	

		Squad Graded Event			
ACTION		Evacuate a Hypothermic Casualty			
CONDITION		In a field environment on terrain no greater than Class 2 given a simulated non-ambulatory hypothermia patient, a SKEDCO litter, 60M static climbing rope, 4 locking carabiners, sleeping bags, ponchos, insulating pads, Hypothermia Prevention & Management Kit (HPMK), and a requirement to move a simulated hypothermia casualty to a suitable LZ for air evacuation; while wearing Fighting load carrier, ballistic helmet, and weapon.			
STANDARD		Squad: <ul style="list-style-type: none"> - Packaged a casualty for transport in a hypothermia wrap within 10 minutes. - Packaged a casualty for transport in a SKEDCO in vertical orientation within 10 minutes. - Established a simple belay. - Utilized the nine line medical evacuation protocol to call for a MEDEVAC within 15 minutes. - Met all critical performance measures. 			
REFERENCES					
		Performance Measures	POINT VALUE	POINTS SCORED	INSTR INITIAL
		HORIZONTAL			
1		SKEDCO is unrolled and placed next to patient.	2		
2		Casualty is placed on litter with arms at side (unless injured)	2		
*3		Four body straps used to secure the patient to the litter.	2		
*4		Feet straps secured last with straps running around the outside of feet.	2		
*5		Head strap (shorter webbing) inserted through the lift slot, routed under sled and through slot on the opposite side.	3		
*6		Foot strap (longer webbing) inserted through the lift slot, routed under sled and through slot on the opposite side.	3		
*7		Straps equalized and secured with a large steel locking carabiner.	3		
		VERTICAL			
1		SKEDCO is unrolled and placed next to patient.	2		
2		Casualty is placed on litter with arms at side (unless injured)	2		

*3	Four body straps used to secure the patient to the litter.	2			
*4	Figure eight knot tied in the middle of a thirty foot rope.	2			
*5	Ends of rope routed through all grommets and handles from head to feet.	2			
6	Rope routed from inside to outside of last grommets.	1			
*7	Rope ends secured with square knot tied to standard.	3			
*8	Ends of rope routed over the end of the SKEDCO, through the carry handles and tied off with a square knot tied to standard.	3			
	PACKAGE WITH HYPOTHERMIA WRAP				
*1	Change the environment the casualty is in from cold and wet to warm and dry.	2			
*2	Replace damp clothing with dry clothing.	2			
3	Add a windproof/waterproof layer and/or place the casualty in a shelter.	2			
4	Add extra insulation under and around the casualty.	2			
5	Provide the casualty with food and warm liquids.	2			
6	Exercise mildly hypothermic patients.	2			
*7	Package a moderately hypothermic casualty in a hypothermia wrap. (a) Lay a poncho on the ground. (b) Lay an Insulating pad on top of the poncho. © Lay a closed sleeping bag on top of the insulating pad. (d) Lay an open sleeping bag on top of the first one. (e) Place the patient inside. Add a hot water bottle to the chest area. Do not place it directly against the skin. Zip the sleeping bag closed. (f) Place a third, open sleeping bag on top of the second. (g) Fold the poncho around the patient like a burrito.	4			
8	Place the whole package into a SKEDCO or other	2			

	litter for evacuation.				
	ESTABLISH A SIMPLE BELAY				
*1	Construct a bombproof anchor	5			
*2	Tied belay rope to SKEDCO	5			
*3	Attached rope to anchor with a Munter Hitch. Signaled "Belay On"	5			
	MEDEVAC REQUEST				
*1	Location of Pickup Site	GO NOGO		GO NOGO	
*2	Radio Frequency & Call Sign	GO NOGO		GO NOGO	
*3	# Patients by Precedence (Type & Severity of Wound, Injury, or Illness)	GO NOGO		GO NOGO	
*4	Special Equipment Required	GO NOGO		GO NOGO	
*5	Number of patients L- Litter A- Ambulatory	GO NOGO		GO NOGO	
*6	Security at pick-up site N – No enemy troops in area P- Possible enemy troops in area (caution) E- Enemy troops in area (caution) X-Enemy troops in area (escort required)	GO NOGO		GO NOGO	
*7	Method of Marking pick-up site:	GO NOGO		GO NOGO	
*8	Patient nationality and status	GO NOGO		GO NOGO	
*9	NBC Contamination: N-Nuclear B-Biological C-Chemical	GO NOGO		GO NOGO	
*10	M - Mechanism of injury I - Injury type	GO NOGO		GO NOGO	

	<u>S</u> - Signs and Symptoms <u>T</u> - Treatment already done				
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GO/NOGO

Comments-----

ACTION	Move Safely in Avalanche Terrain				
CONDITION	Under field conditions in avalanche terrain, given transceiver, probe, shovel, inclinometer, military snowshoe, ski poles, survival rucksack (packed IAW training schedule), cold weather clothing items appropriate to the weather conditions, ballistic helmet, fighting load carrier and weapon				
STANDARD	Squad- Evaluated the avalanche potential in different areas. Choose safe routes in terrain with avalanche potential. Use special equipment to recover personnel and equipment from a mock avalanche scenario. Casualty(s) are found within 15 minutes and recovered within 30 minutes.				
	Performance Measures	FIRST EVAL	INSTR INITIALS	RE-EVAL	INSTR INITIALS
*1	Squad designated a leader.	GO NOGO		GO NOGO	
*2	Leader took control of any witnesses	GO NOGO		GO NOGO	
*3	Squad assessed the safety of the scene	GO NOGO		GO NOGO	
4	One person designated to conduct a transceiver search.	GO NOGO		GO NOGO	
*5	Probe line and shovel line (if applicable) organized	GO NOGO		GO NOGO	
6	Probe line moved in orderly fashion under direction of the leader	GO NOGO		GO NOGO	
*7	Probable hits marked by leaving probe in place for shovel team	GO NOGO		GO NOGO	

*8	Victim found. Airway cleared. Beacon switched off if applicable. Move to next victim if a multiple burial.	GO NOGO		GO NOGO	
9	Victim(s) recovered, packaged (if applicable) and evacuated.	GO NOGO		GO NOGO	

GO/NOGO

Comments-----

