

## DACUM Panel

1. Mr. Pasang Sherpa, Mountain Guide, Himalayan Expedition Inn Pvt. Ltd., Sanepa, Lalitpur
2. Mr. Lam Babu Sherpa, Mountain Guide, High Altitude Dreams Pvt. Ltd. Sukehdhara, Kathmandu
3. Mr. Prem Bahadur Gurung, Mountain Guide, Peak 15 Treks and Expeditions Pvt. Ltd., Chakrapath, Kathmandu
4. Mr. Tendi Sherpa, Mountain Guide, Freelancer, Narayanthan, Kathmandu
5. Mr. Tul Singh Gurung, Mountain Guide, Mountain Madness Pvt. Ltd., Sukehdhara, Kathmandu
6. Mr. Nima Tenji Sherpa, Mountain Guide, Freelancer, Baudha, Kathmandu
7. Mr. Phura Geljen Sherpa, Mountain Guide, High Altitude Dreams Pvt. Ltd., Sukehdhara, Kathmandu
8. Mr. Jangbu Sherpa, Mountain Guide, Adventure 6000 Pvt. Ltd., Baluwatar, Kathmandu
9. Mr. Dawa Phinjo Lama Bhotte, Mountain Guide, Himalayan Guides Nepal Pvt. Ltd., Thamel, Kathmandu
10. Mr. Pasang Tenzing Sherpa, Mountain Guide, Summit Nepal Trekking Pvt. Ltd., Kupondol, Kathmandu
11. Mr. Pemba Ongchhu Sherpa, Mountain Guide, Cho-oyu Treks Pvt. Ltd., Gairidhara, Kathmandu

## DACUM Facilitator/Co-facilitator

Mr. Tulsi K.C., Sr. STO, NSTB

Mr. Ishwar Chandra Ghimire, STO, NSTB

## Verification Panel

1. Mr. Ang Norbu Sherpa, Mountain Guide, Adventure 6000 Company Pvt. Ltd., Bishalnagar, Kathmandu
2. Mr. Ngawang Nima Sherpa, Mountain Guide, Freelancer, Basundhara, Kathmandu
3. Mr. Padam Ghale, Mountain Guide, Shambhala Trekking Pvt. Ltd., Tej Bhawan, Kathmandu
4. Mr. Sunar Bahadur Gurung, Mountain Guide, Trinetra Adventure Pvt. Ltd., Kantipath, Kathmandu
5. Mr. Dorjee Lama, Mountain Guide, Freelancer, Boudha, Kathmandu
6. Mr. Pemba Gyalje Sherpa, Mountain Guide, High Country Trekking Pvt. Ltd., Baluwatar, Kathmandu
7. Mr. Bachchu Narayan Shrestha, Tourism Consultant, World Records Expedition & Treks, Chandole, Kathmandu
8. Mr. Pasang Sherpa, Mountain Guide, Himalayan Expedition Inn Pvt. Ltd., Sanepa, Lalitpur
9. Mr. Pasang Tenzing Sherpa, Mountain Guide, Summit Nepal Trekking Pvt. Ltd., Kupondol, Kathmandu
10. Mr. Prem Bahadur Gurung, Mountain Guide, Peak 15 Treks and Expeditions Pvt. Ltd., Chakrapath, Kathmandu

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## Technical Sub-Committee

1. Mr. Ang Tshering Sherpa, Coordinator, Mountaineering Technical Sub Committee, NSTB
2. Mr. Chandra Bhakta Nakarmi, -Member, Director, NSTB, Bhaktapur
3. Mr. Zimba Zangbu Sherpa, -Member, President, Nepal Mountaineering Association, Nagpokhari, Kathmandu
4. Mr. Pertemba Sherpa, -Member, Sr. Trainer, Nepal Mountaineering Association, Nagpokhari, Kathmandu
5. Mr. Shambu Tamang, -Member, Expert/Advisor, Nepal Mountaineering Association, Nagpokhari, Kathmandu
6. Mr. Bachchu Narayan Shrestha, -Member, Tourism Consultant, World Records Expedition & Treks, Chandol, Kathmandu
7. Mr. Sunar Bahadur Gurung, -Member, Mountain Guide, Trinetra Adventure Pvt. Ltd., Kantipath, Kathmandu
8. Mr. Deepak Prasad Poudel, -Member, Dy. Director, NSTB
9. Mr. Tulsi K.C., -Member, Sr. Skill Testing Officer, Bhaktapur
10. Mr. Ishwar Chandra Ghimire, -Member, Skill Testing Officer, NSTB, Bhaktapur
11. Mr. Mina Raj Adhikari, -Member Secretary, Sr. Skill Testing Officer, NSTB, Bhaktapur

# Occupational Profile

## of Mountain Guide, L-4

(DACUM workshop held on 31 July & 01 August 2012)

(Customized DACUM workshop held on 09 August 2012)

(Technical Sub Committee Meeting on 21 August 2012)



**Council For Technical Education and Vocational Training**

**NATIONAL SKILL TESTING BOARD**

Madhyapur Thimi 17, Sanothimi, Bhaktapur

**Nepal**

(NSTB approval date .....)

## DUTIES and TASKS

### A. Perform Trip Planning

A1. Collect/provide caravan route information			A2. Prepare itinerary			A3. Prepare trip expenses			A4. Manage documentations		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	2	2	3	3	3	3	2	1
A5. Coordinate clients			A6. Manage equipment			A7. Select team			A8. Coordinate local facilities		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	2	2	3	3	3	3	2	1
A9. Allocate staff responsibilities			A10. Manage food and fuel			A11. Manage medical facilities					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	3	3	2	2	3	3	3			

### B. Organize Trip

B1. Supervise team			B2. Manage campsite/bivouacs			B3. Manage local human resources			B4. Manage supplies		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	2	3	3	1	3	3	1	3
B5. Maintain public relation			B6. Manage communication			B7. Maintain workplace hygiene			B8. Maintain food hygiene		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	2	3	3	2	1	3	3	3
B9. Manage transportation			B10. Manage garbage			B11. Maintain personal hygiene					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	2	3	3	3	3	3	3	3			

### C. Provide Safety & Security

C1. Check insurance policy			C2. Operate safety equipment			C3. Select safe campsite			C4. Collect weather information		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	1				3	2	3	3	3	3
C5. Select safe route			C6. Detect rock fall			C7. Detect ice fall			C8. Detect crevasse		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	3	3	3	3	3
C9. Detect avalanche			C10. Detect cornice			C11. Identify health condition			C12. Detect serac		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	3	3	3	3	3
C13. Detect glacier			C14. Detect snow and ice condition			C15. Detect thunderstorms					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	3	3	3	3	3	3	3			

### D. Perform Communication

D1. Manage communication devices			D2. Conduct group briefing			D3. Communicate with local stakeholders			D4. Operate Walkie Talkie		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	2	3	3	1	1	3	2	3
D5. Operate satellite phone			D6. Perform climbing call			D7. Perform e-communication			D8. Prepare trip report		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	3	3	3	1	3	2	1	3	2	3

## DUTIES and TASKS

### E. Provide Wilderness Medical Services

E1. Prevent/treat acute mountain sickness			E2. Control bleeding			E3. Treat fractures			E4. Prevent /treat hypothermia		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	2	3	3	3	1	3	3	2
E5. Prevent/treat frostbite			E6. Prevent /treat snow blindness			E7. Operate portable altitude chamber			E8. Operate oxygen equipment		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	1	3	3	1	3	3	1	3	1	2
E9. Prepare medical kits			E10. Prevent/treat heat stroke			E11. Prevent/treat exertion			E12. Provide CPR (Cardio Pulmonary Resuscitation)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	1	3	3	1	3	3	1	3	1	2

### F. Manage Rope & Knots

F1. Prepare thumb knot			F2. Prepare figure of eight on a bight			F3. Prepare figure of eight retrace/rewoven			F4. Prepare Italian hitch /half sailor		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	2	1	3	2	3	3	2	2	3	2	3
F5. Prepare clove hitch/full sailor			F6. Prepare girth hitch			F7. Prepare double fisherman			F8. Prepare tie/tape knot		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	2	2	3	3	2	2	2	2	1
F9. Prepare machard			F10. Prepare kleimheist knot			F11. Prepare valdotain			F12. Prepare bowline knot		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	2	2	2	3	1	2	2	3
F13. Prepare alpine clutch / garda knot			F14. Prepare provisional knot			F15. Prepare butterfly knot			F16. Prepare overhand loop knot		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	3	1	3	3	3	2	3	1			
F17. Prepare prussic knot			F18. Prepare mule knot			F19. Prepare reef knot			F20. Prepare stopper knot		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
									3	1	3
F21. Prepare mountain coil			F22. Prepare butterfly coil			F23. Perform rope handling					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			

### G. Prepare Anchors

G1. Prepare two point anchor			G2. Prepare three point anchor			G3. Prepare rock bollard anchor			G4. Prepare eye row anchor		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	2	2	3	1	3	3	3	2
G5. Prepare ice bollard			G6. Prepare V-thread/avalakov			G7. Prepare snow bar anchor			G8. Prepare T-anchor		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	3	1	3	3	3	3	1	3	3	2	1
G9. Prepare snow bollard anchor			G10. Prepare tree anchor								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
2	3	1	3	3	3						

## DUTIES and TASKS

### H. Perform Rock Climbing

H1. Perform bouldering			H2. Perform route setting			H3. Perform equipped route lead climbing			H4. Perform indoor wall climbing		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	2	1	3	3	1	3	3	3	3	2	3
H5. Perform single pitch rock climbing			H6. Perform multi pitch rock climbing			H7. Perform aid climbing					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	2	3	3	3	3	3	2	2			

### I. Perform Ice Climbing

I1. Perform top belay climbing			I2. Perform front point climbing			I3. Perform top rope climbing			I4. Perform alpine ice climbing		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	3	2	3	2	2	3	3	3
I5. Perform frozen waterfall climbing											
Task rating											
Importance	Difficulty	Frequency									
3	3	3									

### J. Perform Mix Climbing

J1. Perform scrambling			J2. Perform classic walking technique			J3. Perform glacier travel			J4. Perform running belay		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	2	3	3	2	3	3	3	3	3	3	3
J5. Perform long rope climbing			J6. Perform short rope climbing			J7. Perform self arrest			J8. Prepare fixedline		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	3	1	3	3	2
J9. Perform ascending			J10. Perform descending								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	2	3	3	2	2						

### K. Manage Mountain Rescue

K1. Manage rescue team			K2. Perform self rescue			K3. Perform cliff rescue			K4. Perform crevasse rescue		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	1	3	3	2	3	3	1	3	3	1
K5. Perform avalanche rescue			K6. Prepare/improvise harness			K7. Perform tyrolean traverse			K8. Prepare stretcher		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	1	3	1	3	3	3	1	3	3	1
K10. Perform evacuation											
Task rating											
Importance	Difficulty	Frequency									
3	2	1									

### L. Develop Professionalism

L1. Upgrade skill through refreshment training			L2. Follow ethical practices			L3. Develop national/international network			L4. Obey national & international climbing rules & regulations		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	2	1	3	1	2	3	2	3
L5. Participate in related seminar/workshop			L6. Respect social, culture & religious ties			L7. Maintain trade value					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	2	1	3	2	3	3	1	3			

Rating options:

1= Low

2= Medium

3= High

## Additional Information for Job Title

<p><b><u>Worker Traits</u></b></p> <ul style="list-style-type: none"> <li>• Sincere</li> <li>• Punctual</li> <li>• Responsible</li> <li>• Helpful</li> <li>• Co-operative</li> <li>• Discipline</li> <li>• Honest</li> <li>• Healthy</li> <li>• Physical, Mental and Technically fit</li> <li>• Faithful</li> <li>• Clever</li> <li>• Decisive</li> <li>• Patience</li> <li>• Active</li> <li>• Informative</li> <li>• Hard working</li> <li>• Motivational</li> <li>• Positive thinking</li> <li>• Respectful</li> </ul>	<p><b><u>Entry Requirement</u></b></p> <ul style="list-style-type: none"> <li>• After pass Aspirant Guide,L -3 and completion of 2 years intermship course from Nepal National Mountain Guide Association (NNMGA)</li> <li>• Complition of 1 month final mountain guide training (160 hrs.) and certification by Nepal National Mountain Guide Association (NNMGA)</li> <li>• As per NSTB rules</li> </ul> <p style="text-align: center;">or</p> <ul style="list-style-type: none"> <li>• Certiccate of Mountain Guide from International Federation of Mountain Guide Association (IFMGA) with valid licence</li> <li>• As per NSTB rules</li> </ul>	<p><b><u>Career Path</u></b></p> <p>Mountain Tourism Expert</p>
<p style="text-align: center;"><b><u>Related Technical Knowledge</u></b></p> <p>Knowledge on:</p> <ul style="list-style-type: none"> <li>• Safety rules (personal, and tools/equipment).</li> <li>• Responsible tourism practices</li> <li>• Documentations</li> <li>• Different tools/equipment and their uses.</li> <li>• Navigation, nivology, meteorology</li> <li>• Mountain terminology</li> <li>• Uses of different mountain medicine/first aid</li> <li>• Avalanche</li> <li>• Terrain analysis</li> <li>• Mountain rules and regulations</li> <li>• Climbing etiquette/culture</li> <li>• Rescue management</li> <li>• Different ropes and knots</li> <li>• Mountain history and geography</li> <li>• Uses of communication devices.</li> <li>• Wilderness medicine</li> <li>• Nutrition</li> <li>• Fitness&amp;climbing stamina</li> <li>• Anchor set up and belay system</li> <li>• Ascending and descending</li> <li>• Uses of oxygen</li> <li>• Guiding technique</li> <li>• Local environmental conservation</li> <li>• Health, hygiene and sanitation</li> <li>• Sustainable use of local resources</li> <li>• Campsite management</li> <li>• Rock formation</li> <li>• Glacier morphology</li> <li>• Shelter and bivouac</li> <li>• Mountain safety and security</li> </ul>		<p style="text-align: center;"><b><u>Tools/Equipment</u></b></p> <p><b>Tools</b></p> <ul style="list-style-type: none"> <li>• Hacksaw, Ice axe(Technical and Normal), Ice Screw, V-thread hook, Snow Picket, Crampon (Technical and Normal), Shovel, Dead man, Snow Bar</li> <li>• Rock Piton, Quick Draw, Chocks, Nuts, Friend, hexes, Nut key , Rock Hammer, bolt, Melons, fi fi Hook, drill bit</li> <li>• Ascender (Jumar, Croll, Shunt), Belay Devices( Figure of 8, ATC, ATC Guide, Reverso and GriGri)</li> <li>• Mini Traxion, T-Block, Rope man, Pulley, Carabineers (Lock, Auto Lock and unlock)</li> <li>• Compass, Altimeter, Maps, Pencil, scale, note book</li> </ul> <p><b>Equipments</b></p> <ul style="list-style-type: none"> <li>• Binocular, GPS (Global Positioning System), PAC bag ( Portable Altitude Chamber ), Walkie-Talkie, Sat Phone, Cell phone, Altimeter Watch, Pocket Knife, solar panel, Probe, Head light, Camp light, Batteries, Oxy- meter, Oxygen cylinder, Mask, regulators, canister gas, Burner, cooking pots, Thermos, Lighter or matches, Camera, IPod/MP3, SD Card, Laptop</li> <li>• Chalk (Bag and Powder), Dynamic rope(Single, Half and twines), Static rope, Tape selling, Daisy chain, Prussic cord, rock shoes, Harness, Helmet, drilling machine, Mountaineering boots</li> <li>• Mattress, sleeping bag, Jackets (Gore-Tex, Down feather , Fleece, Inner Liner), Paints (Gore-Tex, Down feather , Fleece, Inner Liner, trekking paints), socks, T-shirts, Hat ( woolen, fleece, Balaclava,), Gloves(Mitten, Gore-Tex, Down feather, Fleece, Inner Liner),Thermal suite , bivouac sack, Down suite, Gaiters,</li> <li>• Glacier/Sun glasses, snow Goggles, Lip guard , sun block cream, camp shoes, sandal, trekking boot, First- Aid kit, Toiletry, Duffle bag, Rucksack, rain cover, water bottle, Pee Bottle, Trekking pole, Journal/Book, Documents bag, money bag,Duck Tape, sewing kit, super glue</li> </ul>