

National Occupational Skill Standard (NOSS)

Occupational Title : Canyoning Guide

Level : 1

Sector : Hospitality Industry

Sub - Sector : Outdoor Recreation

NOSS ID/NSCO ID :

ISCO NO :



Council for Technical Education and Vocational Training
NATIONAL SKILL TESTING BOARD
Madhyapur Thimi-17, Sanothimi, Bhaktapur, Nepal

Developed: 24-03-2022 (10-12-2078)



DACUM Panel:

S. No.	Name	Designation	Organization
1.	Mr. Birendra Khanal	Member	Deputy Superintendent of Police, Armed Police Force, Sunsari
2.	Mr. Santosh Basnet	Member	Sub Inspector of Police, Armed Police Force, Sunsari
3.	Mr. Pradumna Thapa	Member	Police Inspector, Armed police force, Siraha
4.	Mr. Surya Prasad Dhamala	Member	Police Inspector, Armed Police Force, Siraha
5.	Mr. Mani Prasad Gurung	Member	Canyoning Adventure, Kathmandu
6.	Mr. Mohan Singh Limbu	Member	Green Horizon Multipurpose Pvt. Ltd., Udayapur
7.	Mr. Gobinda Prasad Adhikari	Member	Paddle Nepal, Lakeside, Pokhara
8.	Mr. Prakash Gurung	Member	SWISSA Trekking Expedition Pvt. Ltd. , Thamel Kathmandu
9.	Mr. Jeevan Silwal	Member	Holiday Adventure, Kathmandu
10.	Mr. Chet Prasad Sapkota	Member	Ex. Sr. Police Head Constable, Armed Police Force, Nepal
11.	Mr. Bhupendra Chamling	Member	Dharan Sky Adventure Pvt. Ltd, Dharan
12.	Mr. Suresh Kumar Basnet	Member	Green Horizon Multipurpose Pvt. Ltd, Udayapur
13.	Mr. Lal Kumar Rai	Member	Koshi Adventure, Itahari

DACUM Coordinator /Facilitator:

Mr. Mister Kanta Mainali, Director, Curriculum Division

Ms. Sharada Ghimire, Deputy Director, Curriculum Division

Ms. Shova Khanal, Deputy Director, Curriculum Division

DACUM Workshop on 24 and 25 Chaitra 2077



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:2



2045

The National Occupational Skill Standard Developed by:

No	Name	Designation	Organization
1.	Mr. Narendra Bajracharya	Coordinator	Hospitality Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
2.	Mr. Tek Bahadur Malla	Director	National Skill Testing Board Sanothimi, Bhaktapur
3.	Ms. Samjhana Basnyat	Member	International School of Tourism & Hotel Management Gyaneshwor, Kathmandu
4.	Mr. Kshetra Bahadur Basnet	Member	Bodhi Holidays Pvt. Ltd. Thamel, Kathmandu
5.	Mr. Dabindra Tamang	Member	Friends Adventure Team Pvt. Ltd. Samakhusi, Kathmandu
6.	Mr. Rajendra Bahadur Lama	Member	Nepal Canyoning Association Lazimpat, Kathmandu
7.	Mr. Durga Ojha	Member-Secretary	Hospitality Technical Sub Committee National Skill Testing Board, Sanothimi, Bhaktapur
8.	Mr. Tulsi KC	Member	Sr. Skill Testing Officer National Skill Testing Board, Sanothimi, Bhaktapur
9.	Mr. Suresh Maharjan	Member	Skill Testing Officer National Skill Testing Board, Sanothimi, Bhaktapur
10.	Mr. Kishor Chandra Sharma	Member	Skill Testing Assistant National Skill Testing Board, Sanothimi, Bhaktapur

Recommended by Hospitality Technical Sub Committee: 24 March 2022 (10 Chaitra 2078)



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:3



2045

1	<p>Occupational Title: Canyoning Guide Level: 1</p>
2	<p>Job Description: Canyoning Guide, L-1 prepares for canyoning trip, performs basic canyoning and performs basic rescue operation.</p>
3	<p>UNITS OF COMPETENCY:</p> <ol style="list-style-type: none"> 1. Prepare for canyoning trip 2. Perform basic canyoning 3. Perform basic rescue operation 4. Perform communication 5. Develop professionalism <p>*Note: Units 4 and 5 are not for testing purpose.</p>
4	<p>Qualifying Notes/Prerequisites:</p> <ul style="list-style-type: none"> • Physical Requirements: Sound health • Entry Requirements: As per NSTB rules <p>Additional Information:</p> <ul style="list-style-type: none"> • Assessment Types: Performance test only • Assessment Duration: 4 to 5 hours (Full Competency) • Recommended Group Size: 4 to 6 candidates



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:4



2045

5	Unit No:1 Unit Title: Prepare for canyoning trip	Unit code:
	Elements of competency	Performance standards
	1.1 Prepare equipment	1.1.1 Safety and serviceability of canyoning equipment checked as per checklist. 1.1.2 Canyoning equipment packed as per client's height and weight. 1.1.3 Rescue equipment and first aid kit checked and packed as per trip requirement. 1.1.4 Physical condition, expiry, strength, length and lock/unlock of rope and carabiner checked as per checklist.
	1.2 Arrange logistics	1.2.1 Trip itinerary prepared as per canyon location based on organization policy. 1.2.2 Entertainment materials arranged and packed as per trip itinerary. 1.2.3 Transportation providers informed for pickup as per agreement. 1.2.4 Food packed as per requirement of trip.
	1.3 Coordinate with clients	1.3.1 Clients' medical details collected from self-declaration form and informed about medical requirement for canyoning activity. 1.3.2 Clients informed to bring personal belongings as per checklist. 1.3.3 Clients received and verified as per pickup schedule .
6	Task Performance Requirements (Tools, Equipment and Materials): <ul style="list-style-type: none"> Map, compass or GPS, rope, body harness, chest harness, helmet, rappel device, locking/unlocking carabiner, canyoning gloves, wet suit, canyoning socks, sticky shoes, webbing (tape ceiling), over the shoulder sling, rapid link, anchor, prusik, whistle, canyoning bag, canyoning knife, throw bag, descent device, ascent device, foot loop, safety rope (cow tail), canyoning drum, hammer, screw driver, waterproof torch, sunscreen, insect repellent, pen, paper, register and first aid kit. 	



7	<p>Safety and Hygiene (Occupational Health and Safety):</p> <ul style="list-style-type: none">• Use personal protective equipment.• Safe handling of materials, tools and equipment.• Hazards involved in lifting tools, equipment and materials.
---	--



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:6



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> • Canyoning tools and equipment: <ul style="list-style-type: none"> ○ Types ○ Uses ○ Safe handling • Canyoning fundamentals • Canyon <ul style="list-style-type: none"> ○ Types ○ Grading ○ Hydrology ○ Map and symbols • Rope <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Importance ○ Rope testing/checking (Physical condition, expiry, strength and length) ○ Rope packing and coiling • Carabiner <ul style="list-style-type: none"> ○ Introduction 	<ul style="list-style-type: none"> • Calculate required length of rope 	<ul style="list-style-type: none"> • Read and interpret manufacturer's instruction • Read and interpret topographic map • Read and interpret weather forecast



- Types
- Importance
- Carabiner checking (Physical condition, expiry and lock/unlock)
- Knot
 - Types of knots
 - Knot tying technique
 - Application of knot
 - Importance of knot
- Importance of rescue and first aid
- Logistic arrangement
- Trip itinerary
- Communication and briefing technique
- Waste management
- Daily log
- Occupational health and safety rules and regulations



9	Assessment of Competency					
	Unit: 1 Unit Title: Prepare for canyoning trip					
	Candidate Details		Assessors Detail			
	Candidate's Name: Registration Number: Symbol No: Test Centre:		Assessors' Name 1. 2. 3.		ID/License No:	
Element of competency	Performance Standards		Standard Met	Standard Not Met	Evidence Type	Comments
1.1 Prepare equipment	1.1.1 Safety and serviceability of canyoning equipment checked as per checklist. 1.1.2 Canyoning equipment packed as per client's height and weight. 1.1.3 Rescue equipment and first aid kit checked and packed as per trip requirement. 1.1.4 Physical condition, expiry, strength, length and lock/unlock of rope and carabiner checked as per checklist.					
1.2 Arrange logistics	1.2.1 Trip itinerary prepared as per canyon location based on organization policy. 1.2.2 Entertainment materials arranged and packed as per trip					



	<p>itinerary.</p> <p>1.2.3 Transportation providers informed for pickup as per agreement.</p> <p>1.2.4 Food packed as per requirement of trip.</p>			
1.3 Coordinate with clients	<p>1.3.1 Clients' medical details collected from self-declaration form and informed about medical requirement for canyoning activity.</p> <p>1.3.2 Clients informed to bring personal belongings as per checklist.</p> <p>1.3.3 Clients received and verified as per <i>pickup schedule</i>.</p>			

WT- Written Test

OQ- Oral Question

PT- Practical Test

DO – Direct Observation

SR- Supervisor's report

SN–Simulation

RP- Role Play

PG –Photographs

VD- Video

CT – Certificates

TS – Testimonials (Reward)

PP – Product Produced

CS – Case Study



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:10



2045

Range Statement

Variable	Range
Canyoning equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Personal protective equipment (PPE) • Rescue equipment • Abseiling equipment • Climbing equipment • Communication device • Navigating device
Rescue equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Throw bag • Additional rope • Pulley • Ascender • Descender • Prusik loop • Sling • Climbing cord • Carabiner • Belay device • Flip line • Prusik cord • Canyoning knife



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:11



2045

	<ul style="list-style-type: none"> • Webbing (Tape Ceiling) • Personal Floating Device • Lighter
First aid kit	<p><i>May include but are not limited to:</i></p> <ul style="list-style-type: none"> • Bandage • Gauze pad • Antiseptic • Adhesive tape • Cotton • Thermometer • Anaesthetic spray/lotion • Medicine • Gloves • Betadine • Bandaid • CPR kit • Safety pin • Scissor • Tweezer • Thermal blanket • Splint
Pickup schedule	<p><i>May include but are not limited to:</i></p> <ul style="list-style-type: none"> • Location • Pickup time • Number of clients



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:12



5	Unit No:2 Unit Title: Perform basic canyoning	Unit code:
	Elements of competency	Performance standards
	2.1 Prepare clients	2.1.1 Clients Personal Protective Equipment (PPE) checked and confirmed that it is in working condition. 2.1.2 Personal Protective Equipment (PPE) distributed to clients as per their size. 2.1.3 Clients directed and assisted to fit and adjust PPE. 2.1.4 Clients' personal belongings collected, recorded and stored at designated place. 2.1.5 Medical conditions of clients rechecked.
	2.2 Perform briefing	2.2.1 Personal protective equipment (PPE) worn and canyoning gears attached in harness. 2.2.2 Clients welcomed and introduced with canyoning crew. 2.2.3 Information about trip activity and instruction communicated to clients. 2.2.4 Clients briefed about known and anticipated risks, safety procedures, safe areas and preventive measures. 2.2.5 Use of communication system established for canyoning.
	2.3 Demonstrate abseiling (rappelling) technique	2.3.1 Clients informed about canyoning commands to be used. 2.3.2 Abseiling (rappelling) technique, belaying technique, body posture, foot and hand movement, equipment handling technique demonstrated to clients. 2.3.3 Clients engaged in practice.
	2.4 Setup anchor and rigging	2.4.1 Anchor condition evaluated for safe use. 2.4.2 Anchor prepared and used as per requirement of canyoning. 2.4.3 Rope connected in an anchor.



	<p>2.4.4 Knots prepared as per requirement of canyon.</p> <p>2.4.5 End of the rope passed through the rings to the route.</p>
2.5 Guide clients on basic canyoning	<p>2.5.1 Canyoning started after trip leader's signal and followed the route of canyoning.</p> <p>2.5.2 Canyoning signals and commands used to communicate between clients and guide.</p> <p>2.5.3 Clients engaged, entertained and guided throughout the trip using appropriate canyoning technique with safety and comfort.</p> <p>2.5.4 Clients' performance monitored and provided directions, encouragement and instruction to improve techniques.</p> <p>2.5.5 Client in difficulty situation responded promptly in coordination with trip leader.</p> <p>2.5.6 Defensive and aggressive swimming technique used as per nature of canyoning trip.</p> <p>2.5.7 Refreshment provided as per requirement of clients.</p> <p>2.5.8 Canyoning trip ended by exiting from canyon exit point.</p> <p>2.5.9 Clients' equipment collected and packed.</p>
2.6 Perform post canyoning activity	<p>2.6.1 Clients debriefed on finishing of the trip and greetings exchanged.</p> <p>2.6.2 Personal belongings handed over to clients.</p> <p>2.6.3 Launch provided as per trip itinerary.</p> <p>2.6.4 Waste packed in drum as per Pack in Pack Out principle.</p> <p>2.6.5 Arrangement made for crew departure.</p> <p>2.6.6 Canyoning equipment inspected for damage, faults tagged, cleaned and stored in designated area.</p>



	2.7 Maintain log book	2.7.1 Experience gained in canyoning trip recorded with required details in log book. 2.7.2 Log book information shared with concerned people.
6	Task Performance Requirements (Tools, Equipment and Materials): <ul style="list-style-type: none"> Map, compass or GPS, rope, body harness, chest harness, webbing (tape ceiling), over the shoulder sling, rapid link, bolt, canyoning knife, whistle, throw bag, descent device, ascent device, pulley, prusik loop, sling, climbing cord, locking/unlocking carabiner, belay device, flip line, prusik cord, foot loop, swimming goggles, canyoning drum, hammer, screw driver, waterproof torch, sunscreen, personal floating device, insect repellent, pen, paper, log book, first aid kit and personal protective equipment (PPE). 	
7	Safety and Hygiene (Occupational Health and Safety): <ul style="list-style-type: none"> Use personal protective equipment. Safe handling of materials, tools and equipment. Prevent from river and lightning hazards. Prevent from boulder hazards. 	



8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> • Canyoning tools and equipment: <ul style="list-style-type: none"> ○ Types ○ Uses ○ Safe handling • Canyoning fundamentals • Single pitch and multi pitch canyoning • Canyoning rating <ul style="list-style-type: none"> ○ Terrain/Rope work ○ Water volume/current ○ Risk assessment ○ Time commitment ○ Slot Designation • Canyoning signals and commands <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Uses • Whistle signals <ul style="list-style-type: none"> ○ Stop/attention ○ Off rope 		<ul style="list-style-type: none"> • Read and interpret manufacturer's instruction • Read and interpret topographic map • Read and interpret weather forecast



<ul style="list-style-type: none"> ○ Help/emergency ○ Up rope ○ Lower rope 	<ul style="list-style-type: none"> ● Hand command <ul style="list-style-type: none"> ○ Up rope ○ Lower rope ○ Stop ○ Release ○ Dangerous obstacle ○ Go left/right ○ Jump ○ Slippery ○ Slide ○ Tie/untie ○ Look ○ OK (Good) ○ Come ○ Rescue ○ Swim ○ Cut (Damage) ● Canyoning activities and technique 	
---	--	--



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:17



- Hiking/walking
- Climbing
- Abseiling (Rappelling)
- Jumping
- Sliding
- Swimming
- Hand/Safety line
- Communication and briefing technique
- Clients preparation
- Canyon hydrology and map
- Canyoning safety and hazards
- Topography and topographic map
- Anchor
 - Introduction
 - Types (Natural and artificial anchor)
 - Importance
 - Setup
- Rigging
 - Introduction
 - Types (Fixed and releasable)
 - Canyoning rope



<ul style="list-style-type: none"> ○ Importance ○ Setup ○ Rope packing and coiling 	<ul style="list-style-type: none"> ● Knot <ul style="list-style-type: none"> ○ Types of knots ○ Knot tying technique ○ Application of knot ○ Importance of knot ● Belay <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Uses ● Defensive and aggressive swimming ● Importance of appropriate diet ● Site specific information (Topography, weather, hazards, restrictions, community, water level, wildlife safety) ● Importance of team work ● Waste management (Pack in Pack out principle) ● Record keeping and documentation ● Occupational health and safety rules and regulations 		
---	---	--	--



9	Assessment of Competency				
Unit: 2 Unit Title: Perform basic canyoning	Candidate Details		Assessors Detail		
	Candidate's Name: Registration Number: Symbol No: Test Centre:		Assessors' Name 1. 2. 3.		ID/License No:
	Test Date:				
	Element of competency	Performance Standards	Standard Met	Standard Not Met	Evidence Type
2.1 Prepare clients	2.1.1 Clients Personal Protective Equipment (PPE) checked and confirmed that it is in working condition. 2.1.2 Personal Protective Equipment (PPE) distributed to clients as per their size. 2.1.3 Clients directed and assisted to fit and adjust PPE. 2.1.4 Clients' personal belongings collected, recorded and stored at designated place. 2.1.5 Medical conditions of clients rechecked.				
2.2 Perform briefing	2.1.6 Personal protective equipment (PPE) worn and canyoning gears attached in harness. 2.1.7 Clients welcomed and introduced with canyoning crew.				



	<p>2.1.8 Information about trip activity and instruction communicated to clients.</p> <p>2.2.1 Clients briefed about known and anticipated risks, safety procedures, safe areas and preventive measures.</p> <p>2.2.2 Use of communication system established for canyoning.</p>			
2.3 Demonstrate abseiling (rappelling) technique	<p>2.3.1 Clients informed about canyoning commands to be used.</p> <p>2.3.2 Abseiling (rappelling) technique, belaying technique, body posture, foot and hand movement, equipment handling technique demonstrated to clients.</p> <p>2.3.3 Clients engaged in practice.</p>			
2.4 Setup anchor and rigging	<p>2.4.1 Anchor condition evaluated for safe use.</p> <p>2.4.2 Anchor prepared and used as per requirement of canyoning.</p> <p>2.4.3 Rope connected in an anchor.</p> <p>2.4.4 Knots prepared as per requirement of canyon.</p> <p>2.4.5 End of the rope passed through the rings to the route.</p>			
2.5 Guide clients on basic canyoning	<p>2.5.1 Canyoning started after trip leader's signal and followed the route of canyoning.</p> <p>2.5.2 Canyoning signals and commands used to communicate between clients and guide.</p> <p>2.5.3 Clients engaged, entertained and guided throughout the</p>			



	<p>trip using appropriate canyoning technique with safety and comfort.</p> <p>2.5.4 Clients' performance monitored and provided directions, encouragement and instruction to improve techniques.</p> <p>2.5.5 Client in difficulty situation responded promptly in coordination with trip leader.</p> <p>2.5.6 Defensive and aggressive swimming technique used as per nature of canyoning trip.</p> <p>2.5.7 Refreshment provided as per requirement of clients.</p> <p>2.5.8 Canyoning trip ended by exiting from canyon exit point.</p> <p>2.5.9 Clients' equipment collected and packed.</p>				
2.6 Perform post canyoning activity	<p>2.6.1 Clients debriefed on finishing of the trip and greetings exchanged.</p> <p>2.6.2 Personal belongings handed over to clients.</p> <p>2.6.3 Launch provided as per trip itinerary.</p> <p>2.6.4 Waste packed in drum as per Pack in Pack Out principle.</p> <p>2.6.5 Arrangement made for crew departure.</p> <p>2.6.6 Canyoning equipment inspected for damage, faults tagged, cleaned and stored in designated area.</p>				
2.7 Maintain log book	<p>2.7.1 Experience gained in canyoning trip recorded with required details in log book.</p>				



	2.7.2 Log book information shared with concerned people.				
--	--	--	--	--	--

WT- Written Test

OQ- Oral Question

PT- Practical Test

DO – Direct Observation

SR- Supervisor's report

SN–Simulation

RP- Role Play

PG –Photographs

VD- Video

CT – Certificates

TS – Testimonials (Reward)

PP – Product Produced

CS – Case Study



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:23



2045

Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Helmet • Wet suit • Harness (Canyoning Belt) • Canyoning socks • Sticky shoes • Canyoning gloves • Whistle • Lock/unlock carabiner • Descent device • Canyoning bag • Safety rope (Cows tail) • Dry bag
Canyoning gears	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Canyoning knife • Whistle • Hammer • Ascent device • Screw driver • Foot loop • Swimming goggles



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:24



2045

	<ul style="list-style-type: none"> • Canyoning drum
Canyoning commands	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Hand signal/command • Whistle signal/command • Verbal command
Anchor	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Tree anchor • Rock anchor • Bolt anchor • Equalized and load sharing anchor • Retrievable anchor • Contingency anchor
Knots	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Figure of eight (8) family knot • Double fisherman knot • Munter Mule Overhand (MMO) knot • Prusik knot • Overhand knot • Double overhand knot (stopper) • Clove hitch • Grith hitch • Munter hitch
Canyoning technique	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Hiking/walking



	<ul style="list-style-type: none"> • Climbing • Abseiling (Rappelling) • Jumping • Sliding • Swimming • Hand/Safety line
Required details	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Date • Location • Name of canyon • Role • Weather condition • Specific hazard • Comments



5	Unit No:3 Unit Title: Perform basic rescue operation	Unit code:
	Elements of competency	Performance standards
	3.1 Prepare for rescue	3.1.1 Personal protective equipment (PPE) worn and canyoning gears attached in harness. 3.1.2 Rescue equipment checked and prepared as per rescue requirement. 3.1.3 Rescue point identified as per topographic map. 3.1.4 Knots prepared as per rescue requirement.
	3.2 Perform self-rescue	3.2.1 Body position maintained to minimize injury or entrapment. 3.2.2 Necessary maneuvers and rescue equipment used effectively and safely according to situation. 3.2.3 Trip leader's instruction followed and reached to the safety point as per topographic map.
	3.3 Rescue partner	3.3.1 Condition of partner that requires rescue accessed from above/below. 3.3.2 Rescue operation carried out as per trip leader's instruction. 3.3.3 Voice contact and eye contact maintained with partner. 3.3.4 Necessary maneuvers and rescue equipment used effectively and safely according to situation of partner. 3.3.5 Knot passed while descending and ascending. 3.3.6 Additional rope deployed during rappelling. 3.3.7 Partner rescued to the safety point and unlocked. 3.3.8 Partner's condition assessed and first aid provided as per the requirement.



6	<p>Task Performance Requirements (Tools, Equipment and Materials):</p> <ul style="list-style-type: none"> Map, compass or GPS, rope, body harness, chest harness, webbing (tape ceiling), over the shoulder sling, rapid link, bolt, canyoning knife, whistle, throw bag, descent device, ascent device, pulley, prusik loop, sling, climbing cord, locking/unlocking carabiner, belay device, flip line, prusik cord, foot loop, swimming goggles, canyoning drum, hammer, screw driver, waterproof torch, sunscreen, personal floating device, insect repellent, pen, paper, log book, first aid kit and personal protective equipment (PPE).
7	<p>Safety and Hygiene (Occupational Health and Safety):</p> <ul style="list-style-type: none"> Use personal protective equipment. Safe handling of materials, tools and equipment. Prevent from river and lightning hazards. Prevent from boulder hazards.



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:28



2045

8	Required Knowledge		
	Technical Knowledge	Applied Calculation	Graphical Information
	<ul style="list-style-type: none"> • Rescue tools and equipment: <ul style="list-style-type: none"> ○ Introduction ○ Types ○ Preparation ○ Safe handling • Rescue <ul style="list-style-type: none"> ○ Introduction ○ Self-rescue and partner rescue ○ Types of rescues ○ Rescue procedure and technique • Anchor setup • Rigging for rescue • Defensive and aggressive swimming • Pulley system and mechanical advantage • Knot <ul style="list-style-type: none"> ○ Types of knots ○ Knot tying technique ○ Application of knot ○ Importance of knot 		<ul style="list-style-type: none"> • Read and interpret topographic map



	<ul style="list-style-type: none"> • Safe location and safe landing • Potential hazards and obstacles • First aid <ul style="list-style-type: none"> ◦ Introduction ◦ Importance ◦ Kit preparation ◦ First aid technique • Canyoning rating • Occupational health and safety rules and regulations 		
--	--	--	--



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:30



2045

9	Assessment of Competency				
Unit: 3 Unit Title: Perform basic rescue operation	Candidate Details		Assessors Detail		
	Candidate's Name: Registration Number: Symbol No: Test Centre:		Assessors' Name 1. 2. 3.		ID/License No:
	Test Date:				
	Element of competency	Performance Standards	Standard Met	Standard Not Met	Evidence Type
3.1 Prepare for rescue	3.1.1 Personal protective equipment (PPE) worn and canyoning gears attached in harness. 3.1.2 Rescue equipment checked and prepared as per rescue requirement. 3.1.3 Rescue point identified as per topographic map. 3.1.4 Knots prepared as per rescue requirement.				
3.2 Perform self-rescue	3.2.1 Body position maintained to minimize injury or entrapment. 3.2.2 Necessary maneuvers and rescue equipment used effectively and safely according to situation. 3.2.3 Trip leader's instruction followed and reached to the safety				



	point as per topographic map.				
3.3 Rescue partner	3.3.1 Condition of partner that requires rescue accessed from above/below. 3.3.2 Rescue operation carried out as per trip leader's instruction. 3.3.3 Voice contact and eye contact maintained with partner. 3.3.4 Necessary maneuvers and rescue equipment used effectively and safely according to situation of partner. 3.3.5 Knot passed while descending and ascending. 3.3.6 Additional rope deployed during rappelling. 3.3.7 Partner rescued to the safety point and unlocked. 3.3.8 Partner's condition assessed and first aid provided as per the requirement.				

WT- Written Test

OQ- Oral Question

PT- Practical Test

DO – Direct Observation

SR- Supervisor's report

SN–Simulation

RP- Role Play

PG –Photographs

VD- Video

CT – Certificates

TS – Testimonials (Reward)

PP – Product Produced

CS – Case Study



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:32



Range Statement

Variable	Range
Personal protective equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Helmet • Wet suit • Harness (Canyoning Belt) • Canyoning socks • Sticky shoes • Canyoning gloves • Whistle • Lock/unlock carabiner • Descent device • Canyoning bag • Safety rope (Cows tail) • Dry bag
Canyoning gears	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Canyoning knife • Whistle • Hammer • Ascent device • Screw driver • Foot loop • Swimming goggles



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:33



2045

	<ul style="list-style-type: none"> • Canyoning drum
Rescue equipment	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Throw bag • Additional rope • Pulley • Ascender • Descender • Prusik loop • Sling • Climbing cord • Carabiner • Belay device • Flip line • Prusik cord • Canyoning knife • Webbing (Tape Ceiling) • Personal Floating Device • Lighter
Knots	<p><i>May include but not limited to:</i></p> <ul style="list-style-type: none"> • Figure of eight (8) family knot • Double fisherman knot • Munter Mule Overhand (MMO) knot • Prusik knot • Overhand knot • Double overhand knot (stopper)



	<ul style="list-style-type: none">• Clove hitch• Grith hitch• Munter hitch
--	--



NOSS ID: #

Developed Date: 2022-03-24

Revision Number: ##

Revised Date: dd/mm/yy

Page:35

