

DACUM Panel

1. Mr. Nanda Kumar Maharjan, Helper, Kathmandu Regional Directorate, Tripureshwor Development Section, Tripureshwor, Kathmandu
2. Mr. Ganesh Bahadur Giri, Helper, Wireless Telephone Directorate, Chhauni, Kathmandu
3. Mr. Deepak Thapa, Helper, Nepal Telecom Office, Patan, Lalitpur
4. Mr. Ram Kumar Silwal, Helper, Power Department, Chhauni, Kathmandu
5. Mr. Ram Prasad Shrestha, Helper, Network Project Implementation Department, Kupandol, Lalitpur
6. Mr. Madhukar Shahi, Helper, Nepal Telecom, Gangabu, Kathmandu
7. Mr. Bishwo Nath Kalika, Helper, Optical Network Project Implementation Department, Pulchowk
8. Mr. Prem Bahadur Tamang, Helper, Network Project Implementation Department, Kupandol, Lalitpur
9. Mr. Purushttom Poudel, Helper, Nepal Telecom, Sundhara, Kathmandu
10. Mr. Krishna Hari Khatri, Helper, Nepal Telecom Mobile Service Directorate, Harihar Bhawan, Lalitpur.

DACUM Facilitator/Recorder

Mr. Ishwar Chandra Ghimire, STO, NSTB

Mr. Santosh Mahaseth, STA, NSTB

Verification Panel

1. Mr. Maniram Sapkota, Outside Technician, Nepal Telecom, Gangabu, Kathmandu
2. Mr. Dilip Kumar Maharjan, Telecom Supervisor, Power Department, Chhauni, Kathmandu
3. Mr. Maheshwar Khatri, Telecom Supervisor, Nepal Telecom, Patan, Lalitpur
4. Mr. Narayan Sen Oli, Telecom Supervisor, Development Division, Kathmandu Regional Directorate, Kathmandu
5. Mr. Laxman Tandukar, Outside Supervisor, Nepal Telecom, Sundhara, Kathmandu
6. Mr. Ramesh Prasad Ghimire, Telecom Supervisor, Wireless Telephone Directorate, Kathmandu
7. Mr. Rukmagat Chapagain, Telecom Supervisor, Network Project Implementation Department, Kupandol, Lalitpur
8. Mr. Ram Bahadur Khatri, Telecom Supervisor, Network Project Implementation Department, Kupandol, Lalitpur
9. Mr. Nanda Kumar Maharjan, Helper, Kathmandu Regional Directorate, Tripureshwor Development Section, Tripureshwor, Kathmandu
10. Mr. Purushttom Poudel, Helper, Nepal Telecom, Sundhara, Kathmandu

Facilitator/ Co-Facilitator:

Mr. Ram Hari Devkota, Dy. Director, NSTB

Mr. Ishwar Chandra Ghimire, Skill Testing Officer, NSTB

Technical Sub-Committee

Occupational Profile Development

1. Prof. Dr. Jagan Nath Shrestha-Coordinator, IOE, Pulchowk
2. Mr. Chandra Bhakta Nakarmi, Director, NSTB
3. Mr. Jhabindra Upadhyaya, Deputy Manager, Nepal Telecom, Optical Network Project, Hariharbhawan, Lalitpur
4. Mr. Shyam Bajracharya, Instructor, Nepal Telecom, Telecom Training Center, Babarmahal, Kathmandu
5. Mr. Harihar Ghimire, Outside Supervisor, Nepal Telecom, Network Project Implementation Department, Kupandol, Lalitpur
6. Mr. Maniram Sapkota, Outside Technician, Nepal Telecom, Gangabu, Kathmandu
7. Mr. Deepak Prasad Poudel, Dy. Director, NSTB
8. Mr. Ram Hari Devkota, Dy. Director, NSTB
9. Mr. Ishwar Chandra Ghimire, S.T. Officer, NSTB
10. Mr. Gobinda Poudel, S.T. Officer, NSTB
11. Mr. Santosh Mahaseth, S.T. Assistant, NSTB

Occupational Profile



Telecom Technical Helper, L-Elementary

Sector: Electronics Sub Sector: Telecommunication

(DACUM Workshop held on 14 & 15 November 2011)

(Customized DACUM Workshop held on 18 November 2011)

(Technical Sub Committee Meeting on 25 November 2011)



Council For Technical Education and Vocational Training

NATIONAL SKILL TESTING BOARD

Madyapur Thimi 17, Sanothimi, Bhaktapur

Nepal

(NSTB approval date)

DUTIES and TASKS

A. Assist in MDF Installation (MDF जडानमा सहयोग गर्ने)

A1. Perform switch board cable pulling(स्वीच बोर्ड केबल तान्ने)			A2. Perform MDF jumpering (MDF जम्परीङ्ग गर्ने)			A3. Set fuse(फूज सेट गर्ने)			A4. Identify tag for line testing(लाईन टेष्ट गर्न ट्यागको पहिचान गर्ने)		
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	1	3	3	2	3
A5. Cut jumper(जम्पर काट्ने)			A6. Change PG card(PG कार्ड परिवर्तन गर्ने)			A7. Fit MDF tag block(ट्याग ब्लकको जडान गर्ने)			A8. Clear MDF Site(MDF साईट सफा गर्ने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Importance	Importance	Difficulty	Importance	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	2	3	3	3	1	3	1	3

B. Assist in Underground Networking (अण्डरग्राउण्ड नेटवर्क मा सहयोग गर्ने)

B1. Open manhole (म्यानहोल खोल्ने)			B2. Prepare manhole accessories (म्यानहोल सामग्री तयार गर्ने)			B3. Select underground cable size (अण्डरग्राउण्ड केबलको साईज छनौट गर्ने)			B4. Perform underground cable pulling (अण्डरग्राउण्ड केबल तान्ने)		
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	3	3	3	3
B5. Perform underground optical fiber cable pulling (अण्डरग्राउण्ड अप्टिकल फाइबर केबल तान्ने)			B6. Cut underground cable sheath (अण्डरग्राउण्ड केबल सिथ काट्ने)			B7. Perform cable lacing (केबलको कलर मुट्टो छुट्ट्याउने)			B8. Assist in cable splicing (केबल स्पलइसिङ्गमा सहयोग गर्ने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Importance	Importance	Difficulty	Importance	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	2	3	3	3	3	3	3	3	2	3
B9. Assist in underground cable testing (अण्डरग्राउण्ड केबल जांच गर्न सहयोग गर्ने)			B10. Load/unload cable drum on trailer (केबल ड्रम ट्रेलरमा लोड/अनलोड गर्ने)			B11. Operate water pump (वाटर पम्प अपरेट गर्ने)			B12. Operate ventilator (भेन्टीलेटर अपरेट गर्ने)		
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	3	3	2	3

C. Assist in Cabinet Installation (क्याबिनेट जडानमा सहयोग गर्ने)

C1. Drill the cabinet foundation (क्याबिनेट फाउन्डेसनमा चाल बनाउने)			C2. Install cabinet box (क्याबिनेट बक्स जडान गर्ने)			C3. Prepare underground/ aerial cable in cabinet (क्याबिनेटमा अण्डरग्राउण्ड/एरियल केबल तयार गर्ने)			C4. Fit cabinet tag module (क्याबिनेट ट्याग मोडुल जडान गर्ने)		
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	1	3	2	2	3	2	2
C5. Perform cabinet earthing (क्याबिनेट अर्थिङ्ग गर्ने)											
Task rating											
Importance	Difficulty	Frequency									
3	2	1									

D. Assist in Aerial Network Installation (एरियल नेटवर्क स्थापना गर्न सहयोग गर्ने)

D1. Perform poling (पोलीङ्ग गर्ने)			D2. Prepare pole accessories (पोलीङ्ग सामग्रीहरू तयार गर्ने)			D3. Install stay set/push brace (स्टे सेट /पुस ब्रेस जडान गर्ने)			D4. Adjust ladder (भन्याङ लगाउने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	2	3	2	2	3	3	2	3	2	3
D5. Fit pole accessories (पोल एसोसरीज जडान गर्ने)			D6. Perform aerial cable pulling (एरियल केबल तान्ने)			D7. Perform aerial optical fiber cable pulling (एरियल अप्टिकल फाइबर केबल तान्ने)			D8. Fit DP box (DP बक्स फिटीङ्ग गर्ने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	2	3	3	3	3	3	1	3	2	23
D9. Perform earthing on aerial network(एरियल नेटवर्कमा अर्थिङ्ग गर्ने)											
Task rating											
Importance	Difficulty	Frequency									
3	2	1									

DUTIES and TASKS

E. Assist in Subscriber Lines Installation (सबस्क्राइवर लाइन जडान गर्न सहयोग गर्ने)

E1. Perform cabinet jumpering (क्याबिनेटमा जम्पर गर्ने।)			E2. Connect drop wire to DP (ड्रप वायर डिपीमा जडान गर्ने)			E3. Connect roset box (रोजेट बक्स जोडने।)			E4. Fit telephone set (टेलीफोन सेट जडान गर्ने)		
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				2	1	2
E5. Fit PG remote terminal box (पीजि रिमोट टर्मिनल बक्स जडान गर्ने।)			E6. Connect drop wire to PG (ड्रप वायर पीजिमा जडान गर्ने)			E7. Set drop wire to fastener (ड्रप वायर फास्टरमा सेट गर्ने)			E8. Fit drop wire connector (ड्रप वायर कनेक्टर फिट गर्ने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
2	1	3	2	2	1	3	2	1	2	1	2

F. Assist in Establishing Electric Power Supply (इलेक्ट्रीक पावर सप्लाइ स्थापना गर्न सहयोग गर्ने)

F1. Assist in installation of battery (ब्याट्री जडान गर्न सहयोग गर्ने)			F2. Replace electric bulb (इलेक्ट्रीक बल्ब परिवर्तन गर्ने)			F3. Perform power/DC cable pulling (पावर केबल तान्ने)			F4. Assist in installation of air condition (एयर कन्डीसन जडान गर्न सहयोग गर्ने)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	1	3	2	3	3	3	1	3	3	1
F5. Assist in power earthing (पावर अर्थिङ गर्न सहयोग गर्ने)			F6. Assist in installation of solar panel (सोलार जडान गर्न सहयोग गर्ने)			F7. Fill distil water in battery (ब्याट्रीमा डिस्टील वाटर भर्ने।)					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	1	2	3	1	2	1	2			

G. Perform Line Repair & Maintenance Work (लाईन केबल मर्मत संभार गर्ने)

G1. Check/replace fuse (फुज चेक/परिवर्तन गर्ने)			G2. Check/replace jumper in cabinet (क्याबिनेटमा जम्पर चेक/परिवर्तन गर्ने)			G3. Check/Replace DP arrester (डिपी एरेस्टर चेक/परिवर्तन गर्ने)			G4. Repair drop wire (ड्रप वायर मर्मत गर्ने)		
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	2	2	3	2	3
G5. Replace faulty pair (बिग्रेको पेयर परिवर्तन गर्ने)			G6. Assist in repairing/replacing underground cable (अण्डरग्राउण्ड केबल मर्मत/परिवर्तन गर्न सहयोग गर्ने)			G7. Assist in repairing/replacing aerial cable (एरियल केबल मर्मत/परिवर्तन गर्न सहयोग गर्ने)					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	1	3	3	1	3	3	1			

H. Perform Dismantle Work (डिस्मन्टल गर्ने)

H1. Dismantle pole (पोल डिस्मन्टल गर्ने।)			H2. Dismantle aerial cable (एरियल डिस्मन्टल गर्ने।)			H3. Dismantle pole accessories (पोल एसेसरि डिस्मन्टल गर्ने।)			H4. Dismantle drop wire (ड्रप वायर डिस्मन्टल गर्ने।)		
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	3	1
H5. Dismantle DP/PG (DP/PG डिस्मन्टल गर्ने।)			H6. Dismantle stay (स्टे डिस्मन्टल गर्ने)			H7. Dismantle cabinet (क्याबिनेट डिस्मन्टल गर्ने)					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	2	1	3	3	1	3	3	1			

DUTIES and TASKS

I. Perform Communication (संचार गर्ने)

I1. (कामदातासंग संचार गर्ने) (Communicate with owner)			I2. Communicate with customer. (ग्राहकसंग संचार गर्ने)			I3. Communicate with Technician (सिनियर प्राविधिकसंग संचार गर्ने)			I4. Communicate with colleague (सहकर्मी संग संचार गर्ने)		
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	1	3	1	3	3	1	3
I5. Communicate with professional organization (पेशागत संगठन संग संचार गर्ने ।)											
Task rating											
Importance	Difficulty	Frequency									
3	1	1									

J. Develop Professionalism (बृत्ति विकास गर्ने)

J1. Participate in workshop/seminar (सम्बन्धीत कार्यशालामा भाग लीने ।)			J2. Attain in training (तालीम लिने ।)			J3. Observe new site (नयां साइट अवलोकन गर्ने ।)			J4. Work with expert (विज्ञ संग सिक्ने ।)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	1	3	3	2	3	3	2	3	2	1
J5. Read books (सम्बन्धीत किताव पढने ।)											
Task rating											
Importance	Difficulty	Frequency									
2	2	3									

Rating options:

1= Low

2= Medium

3= High

Additional Information for Job Title

<p>Worker Trait</p> <p>Good Expression, Polite, Creative, Punctual, Helpful, Sincere, Service Oriented, Healthy, Hard working, Faithful, Confidential, Kind, Color Blind, Coordination, Team Sprit, Leadership.</p>	<p>Entry Requirement</p> <p>Literate with</p> <ol style="list-style-type: none"> 1. 1 month (160 hrs) training, or 2. As per NSTB rules and regulation 	<p>Career Path</p> <p>Junior Telecom Technician, L - 1</p>
<p>Related Technical Knowledge</p> <p>Knowledge on:</p> <ul style="list-style-type: none"> • Measuring units (Length). • Color code & need for splicing. • MDF, DP, Cabinet installation procedure. • Using multi meters (voltage & resistance). • Manhole, hand hole, cabinet base, ducting. • Cable pulling, pole erection. • Material and tools identification. • Cabinet terminal reading. • Safety rules and precaution. • Earthing procedure. • Size of cables used in outside network. • Types of pole (Iron, Wooden, Concrete). • Handling of Optical Fiber Cable (Figure of 8). • Operation of blower, compressor. • Evacuation procedure of poisonous gas by using ventilator. • UG cable pulling accessories. • Use of encloser. • Process of sheath opening. • Pole stay/push brace installation procedure. • Fuse/arrester/jumper connecting and checking procedure. • Generator engine oil changing procedure. 		<p>Tools/Equipment</p> <p>Measuring tape, measuring wheel, modular splicing rig, cable cutter, round cutter, sheath cutter, side cutter, small measuring tape, combination pliers, Screw driver, knife, insertion tools, adjustable wrench, drill machine, hacksaw, ladder, chisel, hammer, safety cones, ropes, safety boots, wrench, grip, trailer, ventilator, water pump, generator, fix rod, continuity testing instrument, multi meter, megger. digging bar, digging set, pick axe, shovel, spade, crow bar, safety aerial belt, ladder, eriband tools, crimping tool, roller, aerial cable cutter, simera, helmet, monophone, hammer, tone test set, gloves, hand drill machine, brush, tools bag, walkie-talkie, apron, cable shoe, vacuum pump, blow lamp, pliers, winch machine.</p>