

DACUM Panel

1. Mr. Shanker Pandey, NTC, Ktm.
2. Mr. Jagadish Shah, NTC, Ktm.
3. Mr. Parshuram Pudasaini, NTC, Ktm.
4. Mr. Narayan Sen Oli, NTC, Ktm
5. Mrs. Sunita Shrestha, NTC, Ktm
6. Mr. Hira Bahadur Maharjan, NTC, Ktm.
7. Mr. Ramu Subedi, Baglung
8. Mr. Prjaya Raj Malla, Gangabu, Ktm.
9. Mr. Anjani Chaudhary, Hadiya, Udyapur
10. Ms. Suna Maya Lama, Banepa, Kavre
11. Ms. Sunita Lama, Gangabu, ktm.
12. Mr. Khum Nath Adhikari, Baluwa, Baglung

DACUM Facilitator/Recorder

Mr. Chhabi Bahadur Gurung
Mr. Ram Hari Devkota

Verification Panel

1. Mr. Bal Kumar Basnet, NTC, Kupandol
2. Mr. Rameshwor Karki, NPID, Kupandol
3. Mr. Komal Rai, NTC, Sundhara
4. Mr. Shiva Thapa, NTC, Sundhara
5. Mr. Narayan Bahadur Thapa, NTC, Sundhara
6. Mr. Sharad Chandra Karna, NTC, Naxal
7. Mr. Bishwa Darshan Nepal, NTC, Kupandol
8. Mr. Bir Bahadur Lama, NPID, Maharjung
9. Mr. Dharma Lal Maharjan, NTC, Patan
10. Mr. Kirpa Ram Pokhrel, NTC, Naxal
11. Mr. Pradip K.C., NTC, Sundhara
12. Mr. Rajendra Dhakal, NTC, Naxal
13. Mr. Parashuram Pudasaini, NTC, Sundhara

Facilitator/Recorder:

Mr. Ram Hari Devkota
Mr. Ishwar Chandra Ghimire

Technical Sub-Committee

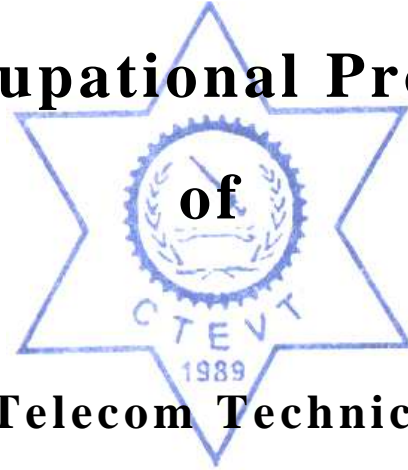
Occupational Profile Development

1. Prof. Dr. Jagan Nath Shrestha-Coordinator, IOE, Pulchowk
2. Mr. Chandra Bhakta Nakarmi, Director, NSTB
3. Mr. Sanker Prasad Pandey, NTC, Kathmandu
4. Mr. Parshuram Pudasaini, NTC, Sundhara
5. Mr. Bal Kumar Basnet, NTC, Kupandol
6. Mr. Dharma Lal Maharjan, NTC, Patan
7. Mr. Kirpa Ram Pokhrel, NTC, Naxal
8. Mr. Chhabi Bahadur Gurung, Dy. Director, NSTB
9. Mr. Ram Hari Devkota, Dy. Director, NSTB
10. Mr. Ishwar Chandra Ghimire, S.T. Officer, NSTB

Occupational Profile Revision

1. Prof. Dr. Jagan Nath Shrestha-Coordinator, IOE, Pulchowk
2. Mr. Chandra Bhakta Nakarmi, Director, NSTB
3. Mr. Shree Narayan Chaudhary, NTC, Kathmandu
4. Mr. Madan Suwal, NTC, Kupandol, Lalitpur
5. Mr. Hemraj Katawal, NTC, Chhauni, Kathmandu
6. Mr. Santosh Kumar Mahaseth, NSTB
7. Mr. Dipak Prasad Poudel, Dy. Director, NSTB
8. Mr. Ram Hari Devkota, Dy. Director, NSTB
9. Mr. Shiva Prasad Khanal, Sr. Acct./Admin Officer, NSTB
10. Mr. Ishwar Chandra Ghimire, S.T. Officer, NSTB
11. Mr. Gobinda Poudel, S.T. Officer, NSTB

Occupational Profile



Junior Telecom Technician, L-1

(DACUM Workshop on 08-09 Mar, 2009)

(Verified DACUM Workshop on Mar, 2009)

(Technical Sub Committee Meeting on 24 April, 2009)

Revised (Technical Sub Committee Meeting on 31 Dec, 2010)



Council For Technical Education and Vocational Training

NATIONAL SKILL TESTING BOARD

Madyapur Thimi 17, Sanothimi, Bhaktapur

Nepal

(NSTB approval date)

DUTIES and TASKS

A. Perform Preparation Works Related to Planning Phase

A1. Collect subscriber data			A2. Draw simple diagram of cable Network			A3. Perform forecasting of subscriber demand			A4. Measure cable route distance		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	1	2	1	1	3	2	1	3	2	2
A5. Prepare material list for installation											
Task rating											
Importance	Difficulty	Frequency									
3	1	1									

B. Install Underground Network

B1. Perform underground cable pulling			B2. Perform splicing			B3. Install cabinet			B4. Perform cabinet termination		
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	2	3	2	2	3	3	1
B5. Install MDF			B6. Perform MDF termination								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	2	2	3	3	1						

C. Install Aerial Network

C1. Perform polling			C2. Install stay set/push brace			C3. Install accessories			C4. Perform Aerial cable pulling		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	2	2	1	2	3	3	2	3	3	2
C5. Perform Sheath Continuity			C6. Perform Splicing			C7. Perform DP registration			C8. Install DP		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Importance	Importance	Difficulty	Importance	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	3	3	3	3	3	3	2	2	3	2	2
C9. Perform cabinet termination											
Task rating											
Importance	Difficulty	Frequency									
3	3	2									

D. Install Optical Fiber Network

D1. Perform Aerial Optical fiber cable pulling			D2. Perform Underground Optical fiber cable pulling.			D3. Perform Optical Fiber splicing.			D4. Install OTB/ODF		
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	1	3	3	2	3	3	2
D5. Perform ODF/OTB termination			D6. Install MSAN								
Task rating			Task rating								
Importance	Difficulty	Importance	Importance	Difficulty	Importance						
3	3	3	3	3	2						

E. Perform Earthing

E1. Perform cabinet earthing			E2. Perform cable grounding			E3. Perform MDF earthing			E4. Perform DP grounding		
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	1	3	2	1
E5. Perform MSAN earthing											
Task rating											
Importance	Difficulty	Frequency									
3	2	1									

F. Perform Electrical Test

F1. Check Leakage AC/DC			F2. Perform continuity test			F3. Check battery voltage			F4. Prepare test report		
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	1	3	2	3
F5. Check earthing			F6. Check Cross Talk								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	2	2	3	2	3						

DUTIES and TASKS

G. Install Subscriber Lines

G1. Measure distance of subscriber and DP			G2. Draw location map			G3. Estimate the materials			G4. Perform jumper connection (Cabinet, MDF)		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	2	3	1	2	3	3	2	3	1	2
G5. Install drop wire			G6. Perform dial tone test			G7. Install subscriber's equipment					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	1	2	3	1	2	3	1	2			

H. Perform Line/Cable Maintenance

H1. Perform maintenance of loose connection			H2. Perform maintenance of short circuit			H3. Perform maintenance of cross talk			H4. Perform maintenance of false grounding		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	2	3	2	2	3	2	2	3	3	3
H5. Perform maintenance of disconnected drop wire/cable			H6. Perform maintenance of lightening stroke			H7. Perform maintenance of drop wire/cable.			H8. Perform maintenance of OFC.		
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	2	2	1	3	2	3

I. Perform Line Shifting

I1. Perform MDF shifting			I2. Perform pole shifting			I3. Perform cabinet shifting			I4. Perform DP shifting		
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	2	1
I5. Maintain shifting record			I6. Dismantle Network			I7. Cable Shifting					
Task rating			Task rating			Task rating					
Importance	Difficulty	Importance	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	1	2	1	1	3	2	3			

Rating options:

0= No

1= Low

2= Medium

3= High

Additional Information for Job Title

<p>Worker Trait</p> <p>Good Expression, Polite, Creative, Punctual, Helpful, Neat and Tidy, Smiling, Sincere, Tactful, Service Oriented, Healthy, Hard working, Faithful, Confidential, Patience, Kind, Color Blind, Coordination, Team Sprit, Leadership.</p>	<p>Entry Requirement</p> <p>Literate with 1. 3 month (390 hrs) training, or 2. As per NSTB rules and regulation</p>	<p>Career Path</p> <p>Telecom Technician, L - 2</p>
<p>Technical Knowledge</p> <ul style="list-style-type: none"> • Symbols, Measuring unit • Color code, splicing procedure, • MSAN,ODF/OTB, MDF, DP, Cabinet installation procedure • Measure current voltage, resistance, capacitance, • Use meters, • Operate winch operating, • Manhole, hand hole, cabinet base, trenching, ducting • Cable pulling, pole erection; cable splicing, cable pulling process. • Material specification, • MSAN, Cabinet terminal reading. • Safety rules and precaution. • Earthing procedure, structure of soil. • Network record keeping, map reading. • Types of cables used in outside network. • Network Topology. • Types of Polling. • Polling Technique (Iron, Wooden, Concrete) • Grounding • Handling of Optical Fiber Cable. • Operation of blower, compressor. • Optical Fiber splicing procedure. • Evacuation procedure of poisonous gas by using ventilator. • Preparation of hand hole and man hole. 		<p>Tools/Equipments</p> <ul style="list-style-type: none"> • Measuring tape, template, Measuring Wheel. • Hydraulic splicing machine, Modular connector, 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, winch, grip, trailer, ventilator, water pump, generator, fix rod. • Continuity testing instrument, multi meter, megger. • Digging bar, pick axe, shawel, spade, crow bar, safety aerial belt, ladder, erriband tools, general tools, splicing tools, crimping tool, roller, Arial cable cutter, sheath cutter, semira, helmet. • Monophone testing set, big hammer, tone test set, gloves, mandril brush, tools bag, walkie talkie, apron. • C-meter, OTDR (Optical Time Domain Reflectometer), Blower Machine, Compressor, Arc fusion Machine, OFC Cutter, OFC Sheath remover, Laser Light, OFC Stripper.