

DACUM Panel

1. Mr. Chharanu Chaudhari
Dhangadhi, Kailali
2. Mr. Sushil Kumar Chaudhari
Dhangadhi, Kailali
3. Mr. Ishowari Dutta Joshi
Dhangadhi, Kailali
4. Mr. Prem Bahadur Basnet
Dhangadhi, Kailali
5. Mr. Devraj Khanal
Dhangadhi, Kailali
6. Mr. Shiva Sapkota
Dhangadhi, Kailali
7. Ms. Sarika B.K.
Mahendranagar, Kanchanpur
8. Ms. Kalawati Bohara
Mahendranagar, Kanchanpur
9. Mr. Padam Pandey
Mahendranagar, Kanchanpur
10. Mr. Jectendra Tiruwa
Mahendranagar, Kanchanpur
11. Mr. Deepak Joshi
Mahendranagar, Kanchanpur
12. Mr. Uddhav Chand
Mahendranagar, Kanchanpur

DACUM Facilitator/Recorder

1. Mr. Baikuntha Shrestha
BSET, Balaju
2. Mr. Bhumaheshwor Ranjitkar
BSET, Balaju

Verification Panel

1. Mr. Hari Narayan Basi
Bhaktapur
2. Mr. Uttam Pd. Tiwari
Banasthali, Kathmandu
3. Mr. Basant Tiwari
Banasthali, Kathmandu
4. Mr. Mukund Upadhaya
Basundhara, Kathmandu
5. Mr. Manoj Shrestha
Thamel, Kathmandu
6. Mr. Bimal Raj Timalisina
Chabahil, Kathmandu
7. Mr. Bhuwan Lal Shilpakar
Kalanki, Kathmandu
8. Mr. Thakur Pd. Dhungana
Kalanki, Kathmandu
9. Mr. Nabin Kumar Basnet
Thamel, Kathmandu
10. Mr. Naresh Mali
Kalanki, Kathmandu
11. Mr. Raja Ram Prajapati
Bhaktapur

Technical Sub-Committee

1. Prof. Dr. Jagannath Shrestha
IOE, Pulchowk Campus, Lalitpur
2. Mr. Chandra Bhakta Nakarmi
NSTB, Sanothimi, Bhaktapur
3. Mr. Lal Bahadur Sunchuri
Modern Electronics, Maitighar, Ktm.
4. Mr. Thakur Pd. Dhungana
Kalanki, Kathmandu
5. Mr. Bhuwan Lal Shilpakar
Kathmandu, Kalanki
6. Mr. Bimal Raj Timalisina
Chabahil, Kathmandu
7. Mr. Naresh Mali
Kalanki, Kathmandu
8. Er. Gunananda Jha
NSTB, Sanothimi, Bhaktapur
9. Mr. Ram Hari Devkota
NSTB, Sanothimi, Bhaktapur
10. Mr. Santosh Mahaseth, Member
NSTB, Sanothimi, Bhaktapur
11. Mr. Dayaram Acharya, Mem.-Secretary
NSTB, Sanothimi, Bhaktapur

Occupational Profile



Radio Receiver Repair Technician, L-1

(DACUM on 18-19 June, 2009)

(Task Verification on 20 June, 2009)



Council For Technical Education and Vocational Training

NATIONAL SKILL TESTING BOARD

Madyapur Thimi -17, Sanothimi, Bhaktapur

Nepal

(NSTB approval on, 2009)

DUTIES and TASKS

A. Repair power supply stage

A1. Check mains cord (A.C wire)			A2. Check/replace ON/OFF switch			A3. Check/replace fuse			A4. Check & repair/replace transformer		
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	3	3	2	3
A5. Check/replace diode			A6. Check/replace condenser			A7. Check/replace battery					
Task rating			Task rating			Task rating					
Importance	Difficulty	Importance	Difficulty	Frequency	Frequency	Difficulty	Frequency	Frequency			
1	2	3	2	3	3	2	3	3			

B. Repair audio stage

B1. Check & repair/replace speaker			B2. Check/replace transistor			B3. Check/replace IC			B4. Check/replace variable resistor		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	1	3	2	1	3	2	3	3	3	3
B5. Check/replace output transformer											
Task rating											
Importance	Difficulty	Frequency									
3	2	1									

C. Repair I F section

C1. Check/replace crystal diode			C2. Check/replace IFT coil			C3. Check/replace ceramic filter			C4. Check/replace resistor		
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	3	3	3	1
C5. Check/replace transistor			C6. Check/replace IC								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	3	1	3	3	2						

D. Repair mixture section

D1. Check/replace band switch			D2. Change/replace gang capacitor			D3. Check/replace oscillator coil			D4. Check & repair/replace digital tuning		
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	2	1	3	2	1
D5. Check/replace potentiometer											
Task rating											
Importance	Difficulty	Frequency									
3	3	3									

E. Repair RF section stage

E1. Check loop Aerial			E2. Change ferrite-rod			E3. Check/replace antenna coil		
Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	1			1	3	2	1

DUTIES and TASKS

F. Repair Tuning Indicator cabinet

F1. Change spindle rod			F2. Change drum			F3. Change ring			F4. Replace tuning thread		
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	3	3	2	2	3	3	3
F5. Change drum spring			F6. Change tuning indicator needle			F7. Change spindle nub			F8. Check DC connector		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	1	1	3	3	3	3	3	3	3	1	3
F9. Check AC connector			F10. Check battery terminal			F11. Change Volume Control (VC) nub					
Task rating			Task rating			Task rating					
Importance	Difficulty	Importance	Difficulty	Frequency	Frequency	Importance	Difficulty	Frequency			
3	3	3	3	3	1	3	3	3			

Rating options:

0= No

1= Low

2= Medium

3= High

Additional Information for Job Title

<p><u>Worker's Traits</u></p> <p>Good Expression, Polite, Creative, Punctual, Helpful, Neat and Tidy, Sincere, Tactful, Service Oriented, Healthy, Hard working, Faithful, Confidential, Patience, Kind,</p>	<p><u>Entry Requirement</u></p> <p>Literate</p> <p>16 years old</p> <p>390 hrs (3 months) training</p> <p>Or as per NSTB rules</p>	<p><u>Career Path</u></p> <p>Radio Receiver Repairer Technician , L-2</p>
<p><u>Technical Knowledge</u></p> <ul style="list-style-type: none"> • Definition of electronics • Knowledge on voltage and current • Knowledge on Multi-Meter, its uses and importance • Knowledge on different tools and their uses • Knowledge on symbols • Knowledge on basic component parts • Knowledge of short form and full form • Knowledge of stage block diagram • Knowledge about color code • Knowledge on basic calculation • Knowledge on different units <p>Knowledge on de-solder</p>	<p><u>Tools/Equipments/materials</u></p> <p>Multi-meter Soldering iron De soldering pump/ wire Screw driver Twizer Knife Wire cutter Wire screeper Nose pliers Smooth file Brush Eye glass Mirror Aliner Soldering wire Gluestick Sand paper Scissor PVC Tape Needle Ruler Soldering paste Oscilloscope RF generator IC extractor Pattern generator</p>	