

DACUM Panel

1. Mr. Dev Raj Rana, G4 Construction & Engineering Consultancy Pvt. Ltd., Balkhu, Sanepa, Lalitpur
2. Mr. Sachit Raj Bhandari, Alu Wood P. Ltd., Sanepa, Lalitpur
3. Mr. Netra Basnet, South Asian College of Modern Technology Pvt. Ltd., Lalitpur
4. Mr. Dipesh Tuladhar, Ganesh Aluminum Pvt. Ltd, Sanepa, Lalitpur
5. Mr. Suresh Maharjan, G4 Construction & Engineering Consultancy Pvt. Ltd., Balkhu
6. Mr. Raj Kumar Shrestha, United Engineering Works, Kupandol, Lalitpur
7. Mr. Prem Kumar Shrestha, G4 Construction & Engineering Consultancy Pvt. Ltd., Balkhu, Lalitpur
8. Mr. Nawang Palzor Sherpa, World Link Technical Training Institute, Gangabu, Ktm
9. Mr. Suroj Maharjan, World Link Technical Training Institute, Gangabu, Kathmandu

DACUM Facilitators/Co - Facilitator

Mr. Ram Hari Devkota

Dy-Director, NSTB

Mr. Ishwar Chandra Ghimire

Skill Testing Officer, NSTB

Verification Panel

1. Mr. Sachit Raj Bhandari, Alu Wood P. Ltd., Sanepa, Lalitpur
2. Mr. Hari Krishna Adhikari, Febiko Aluminum, Kathmandu.
3. Mr. Devo Jyoti Chhetri, Grace Aluminum Pvt. Ltd., Kupoldol, Lalitpur
4. Mr. Raj Kumar Shrestha, United Engineering Works Pvt. Ltd., Kupandol
5. Mr. Bhagawat B.K., B.K. Engineering Works, Kathmandu.
6. Mr. Bibek Pokhrel, B & B Iron Engineering Works Shop Pvt. Ltd., Kalanki, Lalitpur
7. Mr. Jagat Bahadur Rokaya, R & R Grace Fabricator, Kathmandu
8. Mr. Kiran Chandra Adhikari, R & R Grace Fabricator, Kathmandu
9. Mr. Krishna Ram Neupane, Febiko Aluminum, Kathmandu.
10. Mr. Nim Bahadur Tamrakar, Highway Engineering, Lalitpur
11. Mr. Raju Shrestha, Shrestha Engineering, Balkhu, Lalitpur

DACUM Facilitators/Co - Facilitator

Mr. Ram Hari Devkota

Dy-Director, NSTB

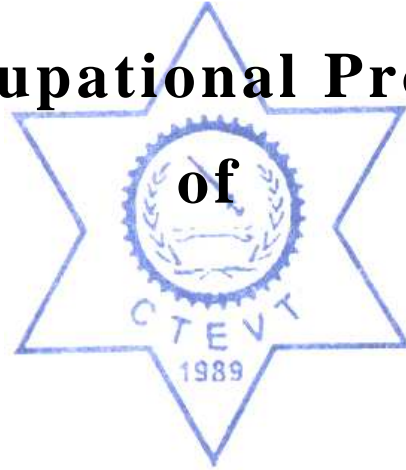
Mr. Ishwar Chandra Ghimire

Skill Testing Officer, NSTB

Technical Sub Committee

1. Prof. Rabindra Nath Bhattarai
Co-ordinator, Mechanical Tech. Sub Committee
2. Mr. Chandra Bhakta Nakarmi, Member Director, NSTB, Sanothimi
3. Mr. Raj Kumar Shrestha, Member United Engineering Works, Kupandol, Lalitpur
4. Mr. Bhakta Man Nakami, Member Thapathali Campus, Kathmanfu
5. Mr. Krishna Prasad Neupane, Member South Asian College of Modern Technology Pvt. Ltd., Lalitpur
6. Mr. Deepak Prasad Poudel, Member Dy-Director, NSTB, Sanothimi
7. Mr. Ram Hari Devkota, Member Dy-Director, NSTB, Sanothimi
8. Mr. Ishwar Chandra Ghimire, Member Skill Testing Officer, NSTB, Sanothimi
9. Mr. Suresh Bhaila, Memb. Secretary Sr. Skill Testing Officer, NSTB, Sanothimi

Occupational Profile



Aluminum Fabricator, L-1

(DACUM Workshop held on August 20 & 21, 2010)

(Customized DACUM workshop on August 23, 2010)

(Technical Sub Committee Meeting on August 26 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 Measurements

A1. Measure door frame			A2. Measure door panel			A3. Measure window frame			A4. Measure window panel		
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	2	3	3	3	3
A5. Measure Partition			A6. Measure glass/board								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	1	2	3	3	2						

B. Perform Bench Work

B1. Perform cutting			B2. Perform drilling			B3. Perform filing			B4. Perform punching		
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	1	2	1	3	2	3
B5. Perform screwing			B6. Perform riveting								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	2	3	3	1	2						

C. Make Windows

C1. Make casement window frame			C2. Make casement window panel			C3. Make double panel sliding window frame			C4. Make multi panel sliding window frame		
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	2	3	3	2	2	3	2
C5. Make sliding window panel			C6. Make sliding window panel with fly mesh								
Task rating			Task rating								
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency						
3	3	3	3	3	3						

D. Make Doors

D1. Make flush door frame			D2. Make flush door panel			D3. Make swing door frame			D4. Make swing door panel		
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	2	3	2	1	3	2	1
D5. Make glass door panel											
Task rating											
Importance	Difficulty	Frequency									
3	2	2									

E. Fix Partition

E1. Fix half partition			E2. Fix full partition			E3. Fix partition with flush door			E4. Fix partition of casement section		
Task rating			Task rating			Task rating			Task rating		
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency
3	2	3	3	1	3	3	2	3	3	3	1
E5. Fix partition with sliding door											
Task rating											
Importance	Difficulty	Frequency									
3	3	1									

F. Perform Installation

F1. Install flush door frame			F2. Install flush door panel			F3. Install swing door			F4. Install casement window frame		
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	3	1	3	2	3
F5. Install casement window panel			F6. Install sliding window frame			F7. Install sliding window panel					
Task rating			Task rating			Task rating					
Importance	Difficulty	Frequency	Importance	Difficulty	Frequency	Importance	Difficulty	Frequency			
3	3	3	3	2	3	3	3	3			

DUTIES and TASKS

G. Perform Finishing

G1. Perform glass/board fitting			G2. Perform clipping			G3. Press gasket			G4. Perform silicon filling		
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	1	1
G5. Perform cleaning											
Task rating											
Importance	Difficulty	Frequency									
3	2	3									

H. Develop Professionalism

H1. Read books/newspapers			H2. Visit other sites			H3. Learn from senior/supervisor			H4. Attain training		
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	2	3	1	1	3	2	1
H5. Participate in workshops /seminars											
Task rating											
Importance	Difficulty	Frequency									
3	2	2									

I. Perform Communication

I1. Communicate with client/owner			I2. Communicate with contractor			I3. Communicate with Senior/junior			I4. Communicate with peers		
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	3	3	1	3
I5. Communicate with engineer/overseer			I6. Communicate with electrician			I7. Communicate with plumber			I8. Communicate with concerned office/stakeholder		
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	2	3	3	2	2

Rating options:

1= Low 2= Medium 3= High

Note: Items H and I are not for testing purpose.

0= No 1= Low 2= Medium

Additional Information for Job Title

<p style="text-align: center;"><u>Worker Traits</u></p> <ul style="list-style-type: none"> • Work concentration • Self interest • Laborious • Punctual • Friendly • Healthy • Co-operative • Disciplined • Energetic • Polite • Patience • Honest • Reliable 	<p style="text-align: center;"><u>Entry Requirement</u></p> <ul style="list-style-type: none"> • Literate with 3 months (390 hrs) Training <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> • As per NSTB Rules 	<p style="text-align: center;"><u>Career Path</u></p> <p style="text-align: center;">Aluminum Fabricator, L-2</p>
<p style="text-align: center;"><u>Related Technical Knowledge</u></p> <p>Knowledge on</p> <ul style="list-style-type: none"> • Introduction of aluminum fabricator and its scope. • Measurement, different tools, machinery and their uses. • Different angles/shapes and sizes. • Properties of aluminum, different series and their section. • Safety and precaution. • Different types of aluminum products and their uses. • Different accessories (hardware) of aluminum products. • Different types of materials uses in aluminum fabrications. • General drawing, understanding of sketches and define the locations. • Glass/board cutting. • Proper leveling adjustment. • Estimating. • Basic mathematical calculation. 		<p style="text-align: center;"><u>Tools and Equipment</u></p> <ul style="list-style-type: none"> • Measuring tape/steel ruler • Try square • Steel rule • Hacksaw • File • Screwdriver • Rivet gun • Pliers • Hand drill • Punching machine • Jig saw • Aluminum cutting machine • Vice • Bevel protractor • Water level • Silicon gun • Glass cutter • Sprit level • Glass holder • Gasket fixing roller • Plum bob • Hammer • Spanners • Chisel • Tool kit box • Brush