







PLASTIC PROCESSOR



ASSESSMENT PACKAGE

National Vocational Certificate Level 4

Version 1 - September, 2018





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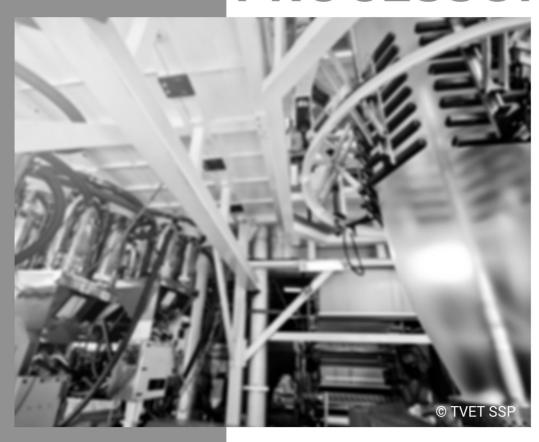
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PLASTIC PROCESSOR



ASSESSMENT PACKAGE
National Vocational Certificate Level 4

Version 1 - September, 2018

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate In Plastic Processor		4	
III Flastic Flocessoi			
	Assessment Date (DD/MM/YY):		
Competency Standard Title:	Assessment D	oate (DD/MM/YY	·):
Competency Standard Title: Perform Off Tool Sampling	Assessment D	Oate (DD/MM/YY	():
	Assessment D	Pate (DD/MM/YY	r):

Guidance for Candidate

To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.

Candidate Details	Name: Candidate Signature:	-
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification: National Vocational Certificate In Plastic Processor	CS Code:	Level: 3	Version:	
Competency Standard Title: Perform Off Tool Sampling		sment Da M/YY):	te	

Questi	on	Candidate's answer
1.	How is the die used in injection molding cooled? a) Oil b) Air c) Water d) Contact with cold surface?	c) Water
2.	What is plasticizing capacity?	It is the amount of material that can be processed by the machine per hour. It is expressed in kg/h
3.	What is injection pressure?	It is the maximum pressure by which the material is injected through the nozzle. It is given in kg/cm ²
4.	What is injection rate or injection velocity?	It is the maximum rate at which the screw can inject or shoot materials from the barrel during one shot.
5.	What do you mean by clamping force?	It is the maximum force that the clamping system can exert on the mold or it is the maximum force by which the mold halves can be closed together. It is given in ton or kilo Newton.
6.	What is max. daylight?	It is the maximum distance that the machine platen can be separated from each other and it can be obtained by adding the maximum mold thickness to the maximum opening stroke.
7.	What are the main elements of mould?	The main parts of molds are core and cavity.
8.	What is the minimum pressure allowed to be given to the injection molding process? a) 90 MPa b) 100 MPa c) 140 MPa d) 170 MPa	b) 100MPa

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate In Plastic Processor		4	
THE MOSILIE TO COSSO			
	Assessment Date (DD/MM/YY):		
Competency Standard Title:	Assessment D	oate (DD/MM/YY	') :
Competency Standard Title: Perform Tool Change Over	Assessment D	Pate (DD/MM/YY	() :
	Assessment D	Date (DD/MM/YY	r):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name: Candidate Signature:	3
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification: National Vocational Certificate In Plastic Processor	CS Code:	Level: 3	Version:
Competency Standard Title: Perform Tool Change Over	Assess (DD/MM	ment Dat	te

Question	Candidate's answer
9. What kind of protective coating is used for application on tools before storage?	Grease or Oil are typically used.
10. What kind of metallic brushes are used to clean the tool before use?	Brass
11. Why is it necessary to handle moulds with cranes?	Weight and multi-component assembly

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate In Plastic Processor		4	
Competency Standard Title: Perform Shutdown Procedure	Assessment D	Date (DD/MM/YY):

Guidance for Candidate

To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.

Candidate Details	Name: Candidate Signature:	-
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:	CS Code: Level: Ve	ersion:		
National Vocational Certificate	4			
In Plastic Processor				
Competency Standard Title:	Assessment Date (DD/MM/YY)	Assessment Date (DD/MM/YY):		
Competency Standard Title.	Assessment bate (bb/mm/11):			
Perform Shutdown Procedure	Assessment Bate (BB/MMV11).			
	Assessment Bate (BB/MMV11).			

Question	Candidate's answer
12. What is the difference between planned shutdown and emergency shutdown procedure?	Planned shutdown is sequential while emergency shutdown is hitting the red button
13. When are you supposed to file accidents?	After emergency shutdown
14. Why is purging necessary?	To ensure material doesn't not stick to integral parts of the machine

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate In Plastic Processor		4	
Competency Standard Title:	Assessment D	ate (DD/MM/YY	') :
Competency Standard Title: Manage Product Quality	Assessment D	Pate (DD/MM/YY	') :
	Assessment D	Pate (DD/MM/YY	'):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name: Candidate Signature:	· ·
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate	Code.	3	
In Plastic Processor			
Competency Standard Title:		Assessment Date	
Competency Standard Title:	Assess	ment Dat	e
Competency Standard Title: Manage Product Quality	Assess (DD/MN		te
			te

Question	Candidate's answer
15. What are the most important standards plastic products are produced on?	ASTM, DIN, ISO, BS
16. What are the most important test methods to maintain product quality?	Tensile, flexural, hardness, Impact, etc.
17. Which is the single most important measuring tool to carry with you on a production floor?	Vernier caliper

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate In Plastic Processor		4	
Competency Standard Title:	Assessment D	ate (DD/MM/YY	') :
Competency Standard Title: Manage Production Flow	Assessment D	Pate (DD/MM/YY	') :
	Assessment D	Pate (DD/MM/YY	'):

Guidance	To complete your assessment for this Competency Standard, you need to
for	answer the questions on the following pages successfully.
Candidate	

Candidate Details	Name: Candidate Signature:	· ·
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT□ Assessor's code:

Title of Qualification: National Vocational Certificate In Plastic Processor	CS Code:	Level: 3	Version:
Competency Standard Title: Manage Production Flow	Assess (DD/MM	ment Dat	e

Question	Candidate's answer
18. What is employee utilization rate?	The percentage of time during which a staff member is actively working versus the number of work hours expected for work
19. What is Inventory Turnover?	A ratio that indicates how many instances a firm's inventory is sold and refurbished over a determined time period, which can be measured by dividing the total sales by number of inventory or by dividing the value of products sold (COGS) by average number of inventory available during a specified selling period (monthly, quarterly, yearly)
20. What is Capacity Utilization Rate?	The percentage of the actual manufacturing yield versus the possible manufacturing yield

Title of Qual National Voc In Plastic Pro	ational Certificate	CS Code:	Level: 4	Version:
Competency Standard Title: Integrated Assessment Lev-4		Assessment D	Oate (DD/MM/YY	·):
	,			
Guidance for answer the questions on the following pages successfully.			ı need to	

for Complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.

Candidate Details	Name: Candidate Signature:	· ·
Written Assessment Outcome	COMPETENT Name of the Assessor: Signature of the Assessor:	NOT YET COMPETENT Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate		4	
In Plastic Processor			
Competency Standard Title:	Assessment Date (DD	D/MM/YY):	

Question	Candidate's answer
21. How is the die used in injection molding cooled?a) Oilb) Airc) Waterd) Contact with cold surface?	c) Water
22. What is plasticizing capacity?	It is the amount of material that can be processed by the machine per hour. It is expressed in kg/h
23. What is injection pressure?	It is the maximum pressure by which the material is injected through the nozzle. It is given in kg/cm2
24. What is max. daylight?	It is the maximum distance that the machine platen can be separated from each other and it can be obtained by adding the maximum mold thickness to the maximum opening stroke.
5. What kind of protective coating is used for application on tools before storage?	Grease or Oil are typically used.
6. What kind of metallic brushes are used to clean the tool before use?	Brass
7. Why is purging necessary?	To ensure material doesn't not stick to integral parts of the machine
8. What are the most important standards plastic products are produced on?	ASTM, DIN, ISO, BS

Question	Candidate's answer					
9. What are the zones in extrusion screws?	Feed zone, melting zone, metering zone					
What are the most important test methods to maintain product quality?	Tensile, flexural, hardness, Impact, etc.					
11. What is Capacity Utilization Rate?	The percentage of the actual manufacturing yield versus the possible manufacturing yield					

Title of Qualification:	CS Code:	Level:	Version:		
National Vocational Certificate in Plastic Processor		4			
Competency Standard Title:	Assessment Date (DD/MM/YY):				
Module 7: Perform Off Tool Sampling					

Candidate Details	Name:
	Registration/Roll Number:
Guidance for Candidate	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment): 1. Assessment Task 1: Ensure type of tool 2. Assessment Task 2: Set machine parameters 3. Assessment Task 3: Execute Dry Run operation 4. Assessment Task 4: Produce Sample 5. Assessment Task 5: Verify sample specification 6. Assessment Task 6: Generate Sample report 7. Assessment Task 7: Take approval for processing And complete: 8. Knowledge assessment test (Written or Oral) 9. Portfolios at the time of assessment (if any)
Minimum Evidence Required	During a practical assessment, under observation by an assessor, you will complete: Assessment Task 1 Performance Criteria 1: Select tool as per given job card/ work order Performance Criteria 2: Select machine as per tool according to job card/ work order. Performance Criteria 3: Verify selection of tool/ Machine according to job requirement Performance Criteria 4: Install the tool on selected machine as per installation manual. Performance Criteria 5: Connect auxiliaries with tool as per machine operation manual. During a practical assessment, under observation by an assessor, you will complete: Assessment Task 2 Performance Criteria 1: Set parameters as per Process Parameter Performance Criteria 2: Sheet (PPS) of machine and job card. Performance Criteria 3: Check safeties of Mould and machine for safe operation. During a practical assessment, under observation by an assessor, you will complete: Assessment Task 3 Performance Criteria 1: Check open/close Mould manually for dry run operation. Performance Criteria 2: Ensure temperature of heaters as per SOP

During a practical assessment, under observation by an assessor, you will complete:

Assessment Task 4

Performance Criteria 1: Purge material in manual mode as per job requirement.

Performance Criteria 2: Run continuous operation on semi-auto/ auto mode till the required physical appearance achieved.

Performance Criteria 3: Verify the physical appearance of sample as per SOP of quality standard

During a practical assessment, under observation by an assessor, you will complete:

Assessment Task 5

Performance Criteria 1: Check dimensions of the sample as per drawing specification.

Performance Criteria 2: Check assembly of the sample as per job card.

Performance Criteria 3: Produce the required sample size in auto mode according to pilot lot.

During a practical assessment, under observation by an assessor, you will complete:

Assessment Task 6

Performance Criteria 1: Prepare the sample report on given format.

Performance Criteria 2: Submit the sample report for approvals as per standard

During a practical assessment, under observation by an assessor, you will complete:

Assessment Task 7

Performance Criteria 1: Execute sampling process after approval received.

Performance Criteria 2: Maintain process parameters for quality production.

Candidat Details	ite	Name: Registration/Roll Number: Candidate Signature:								
Assessm Outcome		COMPETENT NOT YET COMPETENT Name of the Assessor: Assessor's code: Signature of the Assessor: Assessor								
		Assessm	ent Su	mmaı	rv (to b	e filled i	bv the	assess		
	Activ				Metho		- y - -			sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent
Practical	I Skill Der	monstration			✓		✓			
Knowled	dge Asses	ssment		✓						
Other Re	equiremer	nt								
Each As	sessment	t Task (with perfo	rmance	e crite	ria)					
Assessm	ment Task	:1			•	ption of a		ment ta	ısk 1:	
During the following		al assessment, c	andida	te den	nonstrat	ed the	Yes	No	Remarks	
11		ince criteria 1: ol as per given jol	b card/	work	order					
2		nce criteria 2: achine as per too er.	I accord	ding to	o job ca	rd/				
3	Performance criteria 3: Verify selection of tool/ Machine according to job requirement				ob]		
ı	Performa	nce Criteria 4:								
		e tool on selected on manual.	machir	ne as	per					
_		nce Criteria 5:								
	Connect a operation	auxiliaries with to manual.	ol as p	er ma	chine					
Compete	ent 🗆				Not Ye	t Compe	etent 🗆			

Each /	Assessment Task (with performance crite	eria)				
Asses	sment Task 2	Description of a	f assessment task 2: parameters			
During followi	g the practical assessment, candidate de ng:	Yes	No	Remarks		
1	Performance criteria 1: Set parameters as per Process Param					
2	Performance criteria 2: Sheet (PPS) of machine and job card.					
3	Performance criteria 3: Check safeties of Mould and machine operation.	for safe				
Comp	etent	Not Yet Compe	tent 🗆	•		
	Assessment Task (with performance crite sment Task 3	Description of			ask 3:	
During	the practical assessment, candidate de	Execute Dry R monstrated the	Yes	No	Remarks	
1	Performance criteria 1: Check open/close Mould manually for dry run operation.					
2	Performance criteria 2: Ensure temperature of heaters as per	SOP				
3	Performance criteria 3: Check Ejector mechanism as per execuperation	cution				
Comp	etent	Not Yet Compe	tent \square			
Each /	Assessment Task (with performance crite	eria)				
Asses	sment Task 4	Description of a		ment ta	ask 4:	
During followi	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks	
1	Performance criteria 1:					
2	Performance criteria 2: Run continuous operation on semi-auto/ auto mode till the required physical appearance achieved.					
3	Performance criteria 3: Verify the physical appearance of same SOP of quality standard	ple as per				
Comp	etent	Not Yet Compe	tent \square			

Each Assessment Task (with performance criteria)							
Assess	sment Task 5	Description of assessment task 5: Verify sample specification					
During followir	the practical assessment, candidate del	monstrated the	Yes	No	Remarks		
1	Performance criteria 1: Check dimensions of the sample as perspecification.	er drawing					
2	Performance criteria 2: Check assembly of the sample as per	job card.					
3	Performance criteria 3: Produce the required sample size in according to pilot lot.	uto mode					
Compe	etent \square	Not Yet Compe	tent 🗆				
Each A	Assessment Task (with performance crite	eria)					
Assess	sment Task 6	Description of assessment task 6: Generate Sample report					
During followin	the practical assessment, candidate del	monstrated the	Yes	No	Remarks		
1	Performance criteria 1: Prepare the sample report on given for	rmat.					
2	Performance criteria 2: Submit the sample report for approvals standard	s as per					
Compe	etent 🗆	Not Yet Compe	tent 🗆	<u> </u>			
Each A	Assessment Task (with performance crite	eria)					
Assess	sment Task 7	•	Description of assessment task 7: Take approval for processing				
During followin	the practical assessment, candidate del ng:	monstrated the	Yes	No	Remarks		
1	Performance criteria 1: Execute sampling process after approve	val received.					
2	Performance criteria 2: Maintain process parameters for qualit	ty production.					
Compe	etent 🗆	Not Yet Compe	tent 🗆				

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor		4	
Competency Standard Title:	Assessment Da	te (DD/MM/YY):	
Module 8: Perform Tool Change over			

Candidate Details	Name:					
	Registration/Roll Number:					
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):					
Guidance for Candidate	 10. Assessment Task 1: Obtain work order 11. Assessment Task 2: Prepare tool for production 12. Assessment Task 3: Carry out tool installation 13. Assessment Task 4: Carry out tool storage 					
	And complete:					
	Knowledge assessment test (Written or Oral) Portfolios at the time of assessment (if any)					
	During a practical assessment, under observation by an assessor, you will complete: Assessment Task 1					
	Performance Criteria 1: Collect work order from relevant department.					
	Performance Criteria 2: Interpret work order as per organizational procedure.					
	Performance Criteria 3: Read existing job order sheet/card.					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 2					
	Performance Criteria 1: Line up tools according to work order.					
	Performance Criteria 2: Clean tool according to instruction manual and procedure.					
	Performance Criteria 3: Check quality report before installation.					
Minimum	During a practical assessment, under observation by an assessor, you will complete:					
Evidence	Assessment Task 3					
Required	Performance Criteria 1: Arrange required hand/ power tools and accessories for installation.					
	Performance Criteria 2: Check hydraulic/ pneumatics, and water lines.					
	Performance Criteria 3: Perform Installation of tool(Mould/die)					
	Performance Criteria 4: Ensure level/alignment of tool with machine.					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 4					
	Performance Criteria 1: Arrange required hand/ power tools and accessories for offloading					
	Performance Criteria 2: Apply anti rust coating on tool (Mould/Die). Performance Criteria 3: Drain cooling media before offloading of Tool.					
	Performance Criteria 3: Drain cooling media before offloading of 1001. Performance Criteria 4: Perform offloading as per instruction manual and procedure.					
	Performance Criteria 4. Perform officialing as per instruction manual and procedure. Performance Criteria 5: Prepare and submit remarks sheet as per standard.					
	Performance Criteria 6: Clean and shift tool (Mould/Die) for storage in designated area.					

Candida Details	ate	Name:								
Assess Outcom		COMPETENT NOT YET COMPETENT Name of the Assessor: Assessor's code: Signature of the Assessor: Assessor								
	Assessment Summary (to be filled by the assessor)									
	Activ	ity	 _		Method	<u>!</u>			Res	sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Competent Not Yet	
Practica	al Skill Den	nonstration			√		✓			
Knowle	dge Asses	sment	✓	✓						
	Requiremer									
Each A	ssessment	t Task (with perfo	rmance	e crite	ria)					
Assess	ment Task	1			Descript Obtain v			ment ta	sk 1:	
During the practical assessment, candidate demonstrated the following:				ed the	Yes	No	Remarks			
1		nce criteria 1: ork order from rel	levant (depart	tment.					
2		nce criteria 2: work order as per	r organ	izatior	nal proce	dure.				
3		nce criteria 3: sting job order she	eet/car	d.						

Not Yet Competent □

Competent \square

Each A	Each Assessment Task (with performance criteria)				
Assess	sment Task 2	Description of assessment task 2:			
		Prepare tool fo	r produ	ıction	
During followir	the practical assessment, candidate der ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Line up tools according to work order.				
2	Performance criteria 2:				
3	Performance criteria 3:				
Compe	etent	Not Yet Compe	tent 🗆	i	
Each A	Assessment Task (with performance crite	eria)			
Assess	sment Task 3	Description of a	assess	ment ta	ask 3:
		Carry out tool installation			
During followir	the practical assessment, candidate derng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Arrange required hand/ power tools and accessories for installation.				
2	Performance criteria 2: Check hydraulic/ pneumatics, and water lines.				
Performance criteria 3: Perform Installation of tool(Mould/die)					
4	Performance Criteria 4:				
Compe	etent 🗆	Not Yet Compe	tent 🗆	1	

Each Assessment Task (with performance criteria)					
Assessment Task 4 Description of assessm Carry out tool storage				sk 4:	
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Performance criteria 1: Arrange required hand/ power tools and accessories for offloading				
2	Performance criteria 2:				
Performance criteria 3: Drain cooling media before offloading of Tool.					
4	Performance Criteria 1: Perform offloading as per				
5	Performance Criteria 5: Prepare and submit remarks sheet as per standard.				
Performance Criteria 6: Clean and shift tool (Mould/Die) for storage in designated area.					
Compe	etent 🗆	Not Yet Compe	tent 🗆		

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor		4	
Competency Standard Title:	Assessment D	Date (DD/MM/YY):
Competency Standard Title: Module 9: Perform Shutdown Procedure	Assessment D	Date (DD/MM/YY):

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):
Guidance for Candidate	16. Assessment Task 1: Arrange tools and accessories17. Assessment Task 2: Perform planned shutdown18. Assessment Task 3: Perform Emergency shutdown
Carididate	And complete:
	19. Knowledge assessment test (Written or Oral) 20. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Select tools and accessories as per job requirement
	Performance Criteria 2: Verify the tools according to job requirement.
	Performance Criteria 3: Arrange material for purging as per standard
	Performance Criteria 4: Offload Mould / die as per requirement
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 2
	Performance Criteria 1: Remove material from hopper as per requirement.
	Performance Criteria 2: Load purging material in Hopper.
	Performance Criteria 3: Set machine parameter for purging.
Minimum	Performance Criteria 4: Perform purging as requirement.
Evidence	Performance Criteria 5: Stop machine auxiliaries
Required	Performance Criteria 6: Stop main drives/ machine.
	Performance Criteria 7: Drain out cooling channels as requirement.
	Performance Criteria 8: Clean and lubricate Mould/ die.
	Performance Criteria 9: Perform low pressure clamping as per SOP.
	Performance Criteria 10: Turn off power supply of machine
	Performance Criteria 11: Report designated person as organizational procedure.
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 3
	Performance Criteria 1: Carry out immediate emergency stop button
	Performance Criteria 2: Inform incident to designated person as SOP.
	Performance Criteria 3: Identify root cause of shutdown.
	Performance Criteria 4: Take corrective actions as per requirement.
	Performance Criteria 5: Submit shutdown report.

Candid Details			Name:Registration/Roll Number:							
Assess Outcom		Name of the As	COMPETENT Name of the Assessor:							
 		Assessm	ent Su	mmar	v (to be	filled I			or)	
Assessment Summary (to be filled by the assessor) Activity Method Result					sult					
Nature of Activity		Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent	
Practic	al Skill Der	monstration			√		✓			
Knowle	edge Asses	sment		✓						
Other F	Requiremer	nt				✓				
Each A	ssessment	t Task (with perfo	ormance	e criter	ria)					
Assess	sment Task	:1			Description of assessment task 1: Arrange tools and accessories					
During followin		cal assessment, c	andidat	te dem	ionstrate	ed the	Yes	No	Remarks	
1	Performance criteria 1: Select tools and accessories as per job requirement				ment					
Performance criteria 2: Verify the tools according to job requirement.										
Performance criteria 3: Arrange material for purging as per standa				ndard						
4		nce Criteria 4: //ould / die as per	require	ment						
Competent □ Not Yet Competent □										

Each Assessment Task (with performance criteria)					
Assessment Task 2 Description of Perform plann					sk 2:
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance criteria 1: Remove material from hopper as per r	equirement.			
2	Performance criteria 2: Load purging material in Hopper.				
3	Performance criteria 3: Set machine parameter for purging.				
4	Performance Criteria 4: Perform purging as requirement.				
5	Performance Criteria 5: Stop machine auxiliaries				
6	Performance Criteria 6: Stop main drives/ machine.				
7	Performance Criteria 7: Drain out cooling channels as requirer	nent.			
8	Performance Criteria 8: Clean and lubricate Mould/ die.				
9	Performance Criteria 9: Perform low pressure clamping as per	SOP.			
10	Performance Criteria 10: Turn off power supply of machine				
11	Performance Criteria 11: Report designated person as organiza procedure.	itional			
Compe	etent 🗆	Not Yet Compe	tent 🗆	1	
Fach A	ssessment Task (with performance crite	eria)			
	ment Task 3	Description of assessment task 3: Perform Emergency shutdown			
During followin	the practical assessment, candidate de	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Carry out immediate emergency stop l	outton			
2	Performance criteria 2: Inform incident to designated person as SOP.				
3	Performance criteria 3: Identify root cause of shutdown.				
4	Performance Criteria 4: Take corrective actions as per require	ment.			
5	Performance Criteria 5: Submit shutdown report.				
Compe		Not Yet Compe	tent \square	<u>I</u>	

Title of Qualification: National Vocational Certificate in Plastic Processor	CS Code:	Level: 4	Version:
Competency Standard Title: Module 10: Manage Product Quality	Assessment D	Date (DD/MM/YY):

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):
Guidance for Candidate	 21. Assessment Task 1: Perform inspection 22. Assessment Task 2: Identify irregularities as per standard 23. Assessment Task 3: Apply acceptable quality level to product 24. Assessment Task 4: Prepare quality inspection report 25. Assessment Task 5: Facilitate in auditing
	And complete:
	26. Knowledge assessment test (Written or Oral) 27. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Ensure calibration of inspection tools as per given standard.
	Performance Criteria 2: Inspect the sample as per requirement.
	Performance Criteria 3: Prepare reports on organizational standard formats.
	Performance Criteria 4: Follow periodic inspection as per approved standard.
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 2
	Performance Criteria 1: Check irregularities in production as per organizational standard.
Minimum	Performance Criteria 2: Communicate irregularities in production as per organizational standard to relevant person and authorities.
Evidence Required	Performance Criteria 3: Prepare reports of Ok or NOT Ok parts as per quality standard of organization.
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 3
	Performance Criteria 1: Take preventive action to revert to quality standard
	Performance Criteria 2: Take corrective action to revert to quality standard
	Performance Criteria 3: Record corrective/ preventive actions taken
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 4
	Performance Criteria 1: Prepare process data sheet as per organizational standard
	Performance Criteria 2: Report breakdown hours as per organizational standard

Candid Details		Name:								
		COMPETENT							OMPETENT	
Assess Outcom		Signature of the	Name of the Assessor:							
<u>—</u> —							<u> </u>			
	Assessment Summary (to be filled by the assessor)									
 	Activ	ity			Method	<u> </u>	1		Kes	sult
Nature of Activity		Written	Oral	Observation	Portfolio	Role Play		Competent	Not Yet Competent	
Practic	al Skill Der	monstration			✓		✓			
Knowle	edge Asses	ssment		✓						
Other F	Requiremer	nt				✓				
Each A	ssessmen	t Task (with perfo	rmance	e criter	ria)					
Assess	sment Task	.1			Descript Perform			ment ta	sk 1:	
During followin		cal assessment, c	andidat	te dem	nonstrate	ed the	Yes	No	Remarks	
1	Performance criteria 1: Ensure calibration of inspection tools as per given standard.				en					
_	Performa	Performance criteria 2:						-		
2	Inspect the sample as per requirement.									
3	Performa	ınce criteria 3:								
3	Prepare r	reports on organiz	zational	l stand	lard form	nats.				
4		nce Criteria 4: eriodic inspection	as per	appro	ved stan	ıdard.				
Compe	Competent □ Not Yet Competent □									

Each Assessment Task (with performance criteria)					
Assess	ment Task 2	Description of assessment task 2: Identify irregularities as per standard			
During followin	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Check irregularities in production as porganizational standard.	er			
2	Performance criteria 2: Communicate irregularities in productions organizational standard to relevant perauthorities.	•			
3	Performance criteria 3: Prepare reports of Ok or NOT Ok parts standard of organization.	s as per quality			
Compe	etent 🗆	Not Yet Compe	tent 🗆	•	
	ssessment Task (with performance crite	1	assessi	ment ta	sk 3:
7.00000	mon rack o	Description of assessment task 3: Apply acceptable quality level to product			
During the practical assessment, candidate demonstrated the following:		monstrated the	Yes	No	Remarks
1	Performance criteria 1: Take preventive action to revert to qua	ality standard			
2	Performance criteria 2: Take corrective action to revert to qua	lity standard			
3	Performance criteria 3: Record corrective/ preventive actions	taken			
Compe	etent	Not Yet Compe	tent 🗆		
Each A	ssessment Task (with performance crite	eria)			
Assess	ment Task 4	Description of a Prepare quality			
During followin	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Prepare process data sheet as per organizational standard				
2	Performance criteria 2: Report breakdown hours as per organ standard	izational			
Compe	etent 🗆	Not Yet Compe	tent 🗆		

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor		4	
Competency Standard Title:	Assessment D	ate (DD/MM/YY):
Competency Standard Title: Module 11: Manage Production Flow	Assessment D	oate (DD/MM/YY):
	Assessment D	Pate (DD/MM/YY):

Candidate Details	Name:					
	Registration/Roll Number:					
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):					
Guidance for	 28. Assessment Task 1: Plan production schedule 29. Assessment Task 2: Ensure raw material & accessories 30. Assessment Task 3: Ensure machine datasheet 31. Assessment Task 4: Prepare production report 					
Candidate	And complete:					
	32. Knowledge assessment test (Written or Oral) 33. Portfolios at the time of assessment (if any)					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 1					
	Performance Criteria 1: Verify Job card					
	Performance Criteria 2: Distribute plans on shop floor					
	Performance Criteria 3: Ensure workforce according to production target					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 2					
	Performance Criteria 1: Verify the types of material					
	Performance Criteria 2: Arrange the master batch or pigment					
Minimum Evidence	Performance Criteria 3: Arrange the packaging material					
Required	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 3					
	Performance Criteria 1: Feed new setting					
	Performance Criteria 2: Verify from PD &QC+QA					
	Performance Criteria 3: Arrange reference sheet					
	During a practical assessment, under observation by an assessor, you will complete:					
	Assessment Task 4					
	Performance Criteria 1: Select the target					
	Performance Criteria 2: Make hourly production report					
	Performance Criteria 3: Feed the actual production with plan					

Candida Details		Name:Registration/Roll Number:								
Assess Outcom		Signature of the			NOT YET COMPETENT Assessor's code:					
		Assessme	ent Sur	<u>mmar</u>			y the a	assess		
	Activ	ity		т	Method	<u> </u>	1		Res	sult
Nature of Activity		Written	Oral	Observation	Portfolio	Role Play		Competent		
Practical Skill Demonstration				Ŭ	√		✓			
Knowle	edge Asses	sment	√	✓						
Other Requirement										
Each A	ssessment	t Task (with perfo	rmance	e crite	ria)					
						assessment task 1: n schedule				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks			
1	Performance criteria 1: Verify Job card									
2	Performance criteria 2: Distribute plans on shop floor									
3		ormance criteria 3: ure workforce according to production target								

Not Yet Competent \square

Competent \square

Each Assessment Task (with performance criteria)								
Assess	sment Task 2	Description of assessment task 2: Ensure raw material & accessories						
During followir	the practical assessment, candidate de	monstrated the	Yes	No	Remarks			
1	Performance criteria 1: Verify the types of material							
2	Performance criteria 2: Arrange the master batch or pigment							
3	Performance Criteria 3: Arrange the packaging material							
Compe	etent 🗆	Not Yet Compe	tent 🗆	•				
Each Assessment Task (with performance criteria)								
Assess	sment Task 3	•	Description of assessment task 3: Ensure machine datasheet					
During the practical assessment, candidate demonstrated following:			Yes	No	Remarks			
1	Performance criteria 1: Feed new setting							
2	Performance criteria 2:							
3	Performance Criteria 3: Arrange refere	ence sheet						
Compe	etent	Not Yet Compe	tent 🗆					
Each Assessment Task (with performance criteria)								
Assess	sment Task 4	Description of assessment task 4: Prepare production report						
During the practical assessment, candidate demonstrat following:			Yes	No	Remarks			
1	Performance criteria 1: Select the target							
2	Performance criteria 2: Make hourly production report							
3	Performance Criteria 3: Feed the actual production with plan							
Competent ☐ Not Yet Compe			tent 🗆					

Title of Qualification:	CS Code:	Level:	Version:		
National Vocational Certificate level 4, In Plastic Processor		4	1		
Competency Standard Title: Integrated Assessment Level-4	Assessment Date (DD/MM/YY):				

Candidate Details	Name:									
	Registration/Roll Number:									
	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):									
	34. Assessment Task 1: Perform Off tool sampling OR									
Guidance	35. Assessment Task 2: Perform Tool Change over									
for Candidate	OR 36. Assessment Task 3: Perform shutdown procedure.									
	And complete:									
	37. Knowledge assessment test (Written or Oral) 38. Portfolios at the time of assessment (if any)									
	During a practical assessment, under observation by an assessor, you will complete:									
	Assessment Task 1: Perform Off tool sampling									
	Performance Criteria 1: Apply relevant health and safety requirements during completion of task									
	Performance Criteria 2: Ensure availability of machine and tool as per job card									
	Performance Criteria 3: Set machine parameters for processing of desired material									
Minimum Evidence	Performance Criteria 4: Perform test run and produce sample									
Required	Performance Criteria 5: Verify sample and generate sample report.									
	Performance Criteria 6: Maintain housekeeping after completion of task									
	Assessment Task 2: Perform Tool Change over									
	Performance Criteria 1: Apply relevant health and safety requirements during completion of task									
	Performance Criteria 2: Interpret Work order as per SOP									
	Performance Criteria 3: Prepare tool.									
	Performance Criteria 4: Install tool.									
	Performance Criteria 5: Maintain housekeeping after completion of task.									

Assessment Task 3: Install tool

Performance Criteria 1: Apply relevant health and safety requirements during completion of task

Performance Criteria 2: Arrange assembly tools according to the tool/die elements.

Performance Criteria 3: Perform material purging.

Performance Criteria 4: Execute shutdown of machine.

Performance Criteria 5: Maintain housekeeping after completion of task.

Portfolios required at the time of assessment (if any) for

Performance criteria 1 for the evaluation of portfolio: Submit record of all completed formative assessment. He/she must be competent in all formative assessments.

Continued on following page

Candid Details	ate	Name:								
Assess Outcom		COMPETENT NOT YET COMPETENT Name of the Assessor: Signature of the Assessor:								
		Assessm	ent Su	mmar	y (to be	filled b	y the a	assess	or)	
	Activ	rity			Method			Result		
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play	Competent Not Yet		Not Yet Competent
Practica	al Skill Der	nonstration			✓					
Knowle	edge Asses	sment	✓	✓						
Other F	Requireme	nt				✓				
Each A	ssessment	t Task (with perfo	rmance	e criter	ia)					
Assess	ment Task	:1			Description of assessment task 1 Perform Off tool sampling					
During the practical assessment, candidate de following:			te den	nonstrate	ed the	Yes	No	Remarks		
1	Performance Criteria 1: Applied relevar safety requirements during completion					and				
2	Performance Criteria 2: Ensure availat machine and tool as per job card				lity of					
3	Performance Criteria 3: Set machine processing of desired material				rameter	s for				
4	Performance Criteria 4: Perform test ru produce sample.				n and					
5	5 Performance Criteria 5: Verify sample sample report.				nd gene	erate				
6 Performance Criteria 6: Maintained housekeeping after completion of task										
Competent □ I				Not Yet Competent □						

Assessment Task 2		•	otion of assessment task 2 n Tool Change Over				
During followir	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks		
1	Performance Criteria 1: Applied releva safety requirements during completion						
2	Performance Criteria 2: Interpret Work SOP	order as per					
3	Performance Criteria 3: Prepare tool.						
4	Performance Criteria 4: Install tool.						
5	Performance Criteria 5: Maintained ho after completion of task.	usekeeping					
Compe	etent	Not Yet Compe	tent 🗆				
Assess	ement Task 3	Description of Install tool	assessment task 3				
During followir	the practical assessment, candidate deng:	monstrated the	Yes	No	Remarks		
1	Performance Criteria 1: Applied releva safety requirements during completion						
2	Performance Criteria 2: Arrange asser according to the tool/die elements.	mbly tools					
3	Performance Criteria 3: Perform mater	rial purging.					
4	Performance Criteria 4 Execute shutdo machine.	own of					
5	Performance Criteria 5: Maintained ho after completion of task.	usekeeping					
Compe	etent 🗆	Not Yet Competent □					
·							
Portfoli	o (if any)	Description of portfolio All Modular portfolios					
Curren	t ☐ Sufficient ☐ Authention	c □ Valid			Reliable		
Portfoli	ards:	Yes	No	Remarks			
1	Performance criteria 1 for the evaluation Submitted record of all completed form assessment. He/she must be competed formative assessments.	native					
Competent ☐ Not Ye			etent 🗆	l			

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