Automotive Refinishing Techno	log	y								
I. Prepare a panel surface for a basecoat blend in relationship to the t	ask	s in	the	Nat	iona	al Au	ıton	noti	ve	
Technicians Education Foundation (NATEF) Collision Repair and Refi Painting and Refinishing (B2 ASE test)	nisł	ning	Tec	hni	cal	Stan	dar	ds f	or	
Tasks Instructions:										
Each number to the right refers to a single student/candidate (1-10). Place a										
check (√) in the respective column for the appropriate student / candidate										
number (1-10) if the skills listed below are observed as stated. Leave blank if										
not observed. Student/candidate will only get credit for the skills they have	1	2	3	4	5	6	7	8	9	10
demonstrated.										
Soap and water wash the entire area of panel being repaired; use appropriate										
cleaner to remove contaminants										
Dry or wet sand areas to be refinished										
Featheredge damaged areas to be refinished										
Clean area to be refinished using a final cleaning solution										
Remove dust from the area to be refinished, including cracks or moldings of adjacent areas										
Remove, with a tack rag, any dust or lint particles from the area to be refinished										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (8)										
			I			I				
II. Prepare a panel surface for clearcoat application (full panel) in relat	ion	ship	tot	he t	ask	s in	the	Nat	iona	al
Automotive Technicians Education Foundation (NATEF) Collision Rep	oair	and	Ref	finis	hing	g Te	chn	ical		
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10

Dry or wet sand the areas to be refinished										
Clean the area to be refinished using a final cleaning solution										
Remove dust from area to be refinished, including cracks or moldings of adjacent areas										
Remove, with a tack rag, any dust or lint particles from the area to be refinished										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (6)										
III. Prepare a panel surface for basecoat spot repair application in rela	tion	ship	to	the	task	s ir	the	<b>;</b>		
National Automotive Technicians Education Foundation (NATEF) Coll Technical Standards for Painting and Refinishing (B2 ASE Test)	isio	n Re	pai	r an	d Re	efini	ishiı	ng		
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
	1	2	3	4	5	6	7	8	9	10
Remove, with a tack rag, any dust or lint particles from the area to be refinished	1	2	3	4	5	6	7	8	9	10
Remove, with a tack rag, any dust or lint particles from the area to be refinished  Apply clear blending if applicable to prevent metallic halo	1	2	3	4	5	6	7	8	9	10
	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied  Demonstrate gun arc and gun angle	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied  Demonstrate gun arc and gun angle  Demonstrate gun distance and gun speed	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied  Demonstrate gun arc and gun angle  Demonstrate gun distance and gun speed  Demonstrate spray pattern overlap	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied  Demonstrate gun arc and gun angle  Demonstrate gun distance and gun speed  Demonstrate spray pattern overlap  Apply basecoat for panel blending or partial refinishing	1	2	3	4	5	6	7	8	9	10
Apply clear blending if applicable to prevent metallic halo  Check and adjust spray gun operation  Apply finish using appropriate spray techniques for the finish being applied  Demonstrate gun arc and gun angle  Demonstrate gun distance and gun speed  Demonstrate spray pattern overlap  Apply basecoat for panel blending or partial refinishing  Safety and infection control are adhered to during all aspects of this task.	1	2	3	4	5	6	7	8	9	10

Total possible points (10)										
IV. Prepare a panel surface for full panel clearcoat application in relat	tions	ship	to t	he t	ask	s in	the	Nati	ona	ıl
Automotive Technicians Education Foundation (NATEF) Collision Rej Standards for Painting and Refinishing (B2 ASE Test)	pair	and	Ref	inis	hing	ј Те	chn	ical		
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Remove, with a tack rag, any dust or lint particles from the area to be refinished										
Check and adjust spray gun operation										
Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed and spray pattern overlap) for the finish being applied										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (5)										
V. Complete color assessment in relationship to the tasks in the Nation	onal	Aut	omo	otive	е Те	chn	icia	ns		
Education Foundation (NATEF) Collision Repair and Refinishing Tech Refinishing (B2 ASE Test)	nnica	al St	and	ards	s for	Pai	intin	ıg aı	าd	
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
	•	_	3	7			'	0	9	10
Determine the type of mismatch problem encountered while evaluating the color sample										
Determine adjustment that must be made to correct the hue/color										
Determine adjustment that must be made to correct the value/lightness or darkness										
Determine adjustment that must be made to correct the chroma/saturation/purity and flop										
Safety and infection control are adhered to during all aspects of this task.										

The student completed task within the time limited.										
Points earned										
Total possible points (6)										
								<u>u</u>	<u>u</u>	
VI. Select the correct toner for color adjustment (toner within the form	ula)	app	olica	tion	inı	elat	ions	ship	to	
tasks in the National Automotive Technicians Education Foundation ( Refinishing Technical Standards for Painting and Refinishing (B2 ASE			Col	lisio	n R	ера	ir ar	nd		
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
	•	_	0	7	)	0	,	J	3	
Demonstrate the ability to select the correct toner to correct predetermined										
mismatch problems while selecting the correct toner  Demonstrate the ability to select the correct toner to correct the hue/color										
Demonstrate the ability to select the correct toner to correct the value/lightness or darkness										
Demonstrate the ability to select the correct toner to correct the chroma/ saturation/purity and flop										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (6)										
		ı					I			
VII. Spray out completed (includes clearcoat application) application i	n re	latio	onsl	nip t	o ta	sks	in t	he		
National Automotive Technicians Education Foundation (NATEF) Coll Technical Standards for Painting and Refinishing (B2 ASE Test)	isio	n Re	epai	r an	d Re	efini	shir	ng		
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Apply finish using appropriate spray techniques for the finish being applied										
Demonstrate gun arc and gun angle										
		1								

Demonstrate gun distance and gun speed										
Demonstrate spray pattern overlap										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (6)										
			I	I		I	I		I	ı
VIII. Make proper adjustments/hits producing a blendable color match	ı (ev	/ide	nce	d of	a sp	oray	out	card	d)	
application in relationship to tasks in the National Automotive Techni Collision Repair and Refinishing Technical Standards for Painting and									IATI	EF)
Tasks Instructions:	<i>1</i> 1\C	111111	311111	9 (L	)	<u>ol</u>	1631	· <i>)</i>		
					<u> </u>					
	1	2	3	4	5	6	7	8	9	10
Apply tinted product to produce evidence of a blendable color match										
Match finish being applied										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
		1		l	1		l		l	
IX. Surface cleaning application in relationship to tasks in the National	al Aı	uton	noti	ve T	ech	nici	ans	Edu	ıcat	ion
Foundation (NATEF) Collision Repair and Refinishing Technical Stand (B2 ASE Test)	dard	s fo	r Pa	inti	ng a	nd l	Refi	nish	ing	
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Soap and water wash entire panel										

Use appropriate cleaner to remove contaminants										
Apply surface cleaner to remove contaminants										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (5)										
X. Repair damaged area in preparation for primers in relationship to	task	s in	the	Nat	tiona	al A	utor	noti	ve	
Technicians Education Foundation (NATEF) Collision Repair and Refi Painting and Refinishing (B2 ASE Test)	nish	ning	Tec	hni	cal S	Stan	dar	ds f	or	
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Sand area using dual action sander										
Sand areas to show appropriate removal of material for good featheredge technique										
Sand beyond the repair area for adhesion of primer										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (5)										
XI. Mix and apply 2-K primers application in relationship to tasks in the	ne N	atio	nal	Aut	omo	tive	Tec	chni	cian	s
Education Foundation (NATEF) Collision Repair and Refinishing Tech Refinishing (B2 ASE Test)	nica	al St	and	ard	s for	Pa	intir	ng a	nd	
Tasks Instructions:										
		_			_	_				4.0
	1	2	3	4	5	6	7	8	9	10
	1	1	1	1	i	1	1	1	1	l

Apply primer onto surface of repaired area										
Check and adjust spray gun operation										
Shake, stir, reduce, catalyze/activate and strain product										
Apply finish using appropriate spray techniques for the finish being applied										
Demonstrate gun arc and gun angle										
Demonstrate gun distance and gun speed										
Demonstrate spray pattern overlap										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (10)  XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 A Tasks Instructions:	n (NA	· ΓEF)	_					-	o to	
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2)	n (NA	· ΓEF)	_					-	o to	10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 A Tasks Instructions:	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 A Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 / Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied  Dry or wet sand the area to which primer-surfacer has been applied	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 A Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied  Dry or wet sand the area to which primer-surfacer has been applied  Block the sand area to achieve levelness of repaired area	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 / Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied  Dry or wet sand the area to which primer-surfacer has been applied  Block the sand area to achieve levelness of repaired area  Safety and infection control are adhered to during all aspects of this task.	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 A Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied  Dry or wet sand the area to which primer-surfacer has been applied  Block the sand area to achieve levelness of repaired area  Safety and infection control are adhered to during all aspects of this task.  The student completed task within the time limited.	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10
XII. Perform proper block sanding techniques and final sand for batasks in the National Automotive Technicians Education Foundation Refinishing Technical Standards for Painting and Refinishing (B2 / Tasks Instructions:  Dry sand the area to which two-component finishing filler has been applied  Dry or wet sand the area to which primer-surfacer has been applied  Block the sand area to achieve levelness of repaired area  Safety and infection control are adhered to during all aspects of this task.	on (NATASE Te	ΓEF) st)	Col	lisio	on R	ера	ir a	nd		10

Technical Standards for Painting and Refinishing (B2 ASE Test)										
Tasks Instructions:										
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Determine the type and color of paint already on the vehicle by manufacturer's										
vehicle information label										
Identify the code using paint manufacture manuals and/or computer to determine paint code location										I
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
XIV. Select the correct variant application if applicable in relationship	to ta	asks	in t	he I	Nati	ona	l			
Automotive Technicians Education Foundation (NATEF) Collision Rep								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)								ical		
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)		and	Ref		hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)	oair			inis				ical	9	10
Automotive Technicians Education Foundation (NATEF) Collision Rep Standards for Painting and Refinishing (B2 ASE Test)	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Resistandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Resident Standards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Resistandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Report Standards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting  Identify variant that will produce the best possible blend	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Resistandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting  Identify variant that will produce the best possible blend  Safety and infection control are adhered to during all aspects of this task.	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Restandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting  Identify variant that will produce the best possible blend  Safety and infection control are adhered to during all aspects of this task.  The student completed task within the time limited.	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Restandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting  Identify variant that will produce the best possible blend  Safety and infection control are adhered to during all aspects of this task.  The student completed task within the time limited.  Points earned	oair	and	Ref	inis	hing	д Те	chn		9	10
Automotive Technicians Education Foundation (NATEF) Collision Restandards for Painting and Refinishing (B2 ASE Test)  Tasks Instructions:  Identify variant swatches/chips  Match variant to vehicle using color corrected lighting  Identify variant that will produce the best possible blend  Safety and infection control are adhered to during all aspects of this task.  The student completed task within the time limited.  Points earned	1	2	3	4	5	6 6	7	8		

application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)

Tasks Instructions:										
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	1	2	3	4	5	6	7	8	9	10
	'	_	3	4	3	0	<b>'</b>	0	9	10
Mask and protect adjacent panels that will not be refinished										
Mask door jambs and other aperture panels										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (4)										
			•	•	•	•	•			
XVI. Identify parts replacement										
Tasks Instructions:										
					1	,	_	•	)	10
	1	2	3	4	5	6	7	8	9	10
Locate and select vehicle to be estimated in the provided collision estimating										
guide										
Locate and list the correct part prices and replacement labor times and refinish										
labor times for the pre-determined parts being replaced  Estimate labor adjustments for vehicle options when appropriate										
Recognize and apply body labor overlap and refinish labor overlap where appropriate										
Consider and apply "included" and "not included" operations where appropriate										
Consider and apply labor footnotes (# signs) when necessary										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (8)										
	•	•	•				•			•

Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
Calculate and list the correct paint and materials allowance										
Calculate and list parts, body labor, refinish labor, paint and material column totals										
Calculate and list total labor hours (body labor plus refinish labor)										
Multiply total labor hours by provided labor rate and list labor dollar amount										
Calculate and list TOTAL estimate amount										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (7)										
Total points earned for all sections (A)										
Total possible points for all sections (B) 104										
Student/candidate score (divide A/B)										