ANDE O.	JT/TPE/SELECTION FORM
	Candidate ID Number:
Selected for	
Mark appropriate box below as applicable:	
On-The-Job Training (OJT)	
Task Performance Evaluation (TPE) □	
NOTES:	
I have received adequate experience and can perform these tasks in a pr	oficient manner.
Candidate Signature:	Date:
I have observed the candidate successfully performing Ultrasonic Examin	ations
AI/ANI Signature:	
I have evaluated the subject Candidate's performance and determined re	esults to be acceptable:
Approved	Date:
ANDE Level III	
ANDE LEVELIII	

CANDIDATE:		ID:	
METHOD: Ultraso	onic (Basic)		
ACTIVITY TITLE:	Inspection Request/Component Information		
Applicable Procedu	res, Drawings and/or Reference Documents:		

TASK ELEMENT NO*	ACTIVITY	Action Code	OJT Candidate Initials/ Date	OJT Level II & III Initials /Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
1.01, 1.02	Assignment Sheet: Review: request, work order document(s), component specifics (configuration, material type and thickness, limitations, etc.), Code requirements, applicable drawings,	Р				Will require a typical assignment sheet/ work request document. Component configuration drawing
1.03, 1.04, 1.05	Select/Review ultrasonic procedure: Select applicable element for application	Р				Need procedures for each component configuration Range shall be specified

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

EXAMPLE MENTOR DISCUSSION

JOB DUTY AREA: Ultrasonic (Basic) ACTIVITY TITLE: Inspection Request/Component Information

1. What information will you obtain from a Work Order/Traveler/Process Sheet?

Acceptable response:

Component identification, description and procedure requirements, scheduling information and potential "hold points"

2. What information will you obtain reviewing component history? (if available)

Acceptable response:

Previous NDE Reports (UT procedures, ultrasonic techniques, recorded discontinuities, etc.), repair history,

3. If previous inspection data is not available describe what actions would be required prior to performing calibrations/inspections.

Acceptable response:

A weld profile would be required to be obtained.

4. Why review the referenced UT Procedure?

Acceptable response:

Verify correct selection (Scope, code requirements, UT technique equipment, etc.)

CANDIDATE:		ID:					
METHOD: Ultraso	onic (Basic)						
ACTIVITY TITLE:	Pre-Examination						
Applicable Procedures, Drawings and/or Reference Documents:							

TASK ELEMENT NO*	ACTIVITY	Action Code	Candidate Initials/ Date	Level II & III Initials	TPE Level III Initials/	COMMENTS / REMARKS
2.05. 2.06	Desdinger Descriptions and Assemble required equipment			/Date	Date	
2.05, 2.06	Readiness Requirements: Assemble required equipment.					
	Verify equipment calibration dates. Condition of cables and					
	transducers. Chemical control stickers for pipe markers and					
	couplant. Calibrate UT system in accordance with weld					
	profile procedure based on assignment sheet/ISO					
	Metric/fabrication drawings. (NDE Certs, Personal					
	Protection Equipment, etc.)					
2.07, 2.08	Weld Profile: Obtain weld profile from component and	Р				
	document. Utilizing weld profiles determine angles, mode of					
	propagation and scanning parameters in order to obtain the					
	maximum percent of coverage in accordance with the					
	applicable UT procedure.					
2.11	For FAB/construction – calibrate straight beam transducer					
	with UT equipment in accordance with applicable					
	procedures; scan material adjacent to weld for laminations					
	that may interfere with angle beam examinations.					

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

EXAMPLE MENTOR DISCUSSION

JOB DUTY AREA: Ultrasonic (Basic) ACTIVITY TITLE: Pre-Examination Activities

1. What is the purpose of a weld profile?

Acceptable Response:

A weld profile is used to determine angles and modes of propagation needed to achieve a Code acceptable examination and obtain maximum coverage. Weld profiles need to be accurate in order to establish correct examination parameters. Normally weld profiles are taken once and used multiple times by different technicians in order to reduce radiation exposure and consistently repeat examinations.

2. Describe situations that would require weld crown conditioning.

Acceptable Response:

Weld crown reduction would be required if the height or surface condition that prohibits scanning across when inspecting stainless steel components and single sided carbon steel components.

3. Explain the repercussions of inaccurate weld profiles.

Acceptable Response:

Inaccurate weld profiles could cause incorrect angles and metal paths to be used for inspection. Potential indications could be missed and create a hazard to the operation of the plant.

4. What to do if there is no weld profile?

Acceptable Response:

Look at radiograph or see Level III to plot.

CANDIDATE:		ID:			
METHOD: Ultra	asonic (Basic)				
ACTIVITY TITLI	E: Calibrate Equipment				
applicable Procedures, Drawings and/or Reference Documents:					

ACTIVITIES	Action Code	Candidate Initials/ Date	Level I II & III Initials/ Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
Verify Procedure for Use	Р				
Determine required equipment based on applicable procedure for in-service or FAB/construction.	Р				
Verify equipment calibration stickers/certifications	Р				
Inspect equipment for wear/damage	Р				
Assemble equipment	Р				
Perform system checks	Р				
Adjust instrument controls in accordance with procedure.	Р				
Determine required screen range and create a linear screen for each angle/or straight beam mode as applicable by procedure.	Р				
Select calibration reflectors for each mode	Р				
Create a DAC for each mode	Р				
Establish a calibration check for each mode	Р				
Create an electronic file.	Р				
Document calibration on applicable forms	Р				
	Verify Procedure for Use Determine required equipment based on applicable procedure for in-service or FAB/construction. Verify equipment calibration stickers/certifications Inspect equipment for wear/damage Assemble equipment Perform system checks Adjust instrument controls in accordance with procedure. Determine required screen range and create a linear screen for each angle/or straight beam mode as applicable by procedure. Select calibration reflectors for each mode Create a DAC for each mode Establish a calibration check for each mode Create an electronic file.	Verify Procedure for Use Determine required equipment based on applicable procedure for in-service or FAB/construction. Verify equipment calibration stickers/certifications Inspect equipment for wear/damage P Assemble equipment Perform system checks Adjust instrument controls in accordance with procedure. Determine required screen range and create a linear screen for each angle/or straight beam mode as applicable by procedure. Select calibration reflectors for each mode P Create a DAC for each mode P Create an electronic file. P	Verify Procedure for Use Determine required equipment based on applicable procedure for in-service or FAB/construction. Verify equipment calibration stickers/certifications Inspect equipment for wear/damage P Assemble equipment Perform system checks Adjust instrument controls in accordance with procedure. Determine required screen range and create a linear screen for each angle/or straight beam mode as applicable by procedure. Select calibration reflectors for each mode Create a DAC for each mode Establish a calibration check for each mode Create an electronic file.	Code Initials/ Date Initials/ Date Verify Procedure for Use Determine required equipment based on applicable procedure for in-service or FAB/construction. Verify equipment calibration stickers/certifications Inspect equipment for wear/damage Assemble equipment Perform system checks Adjust instrument controls in accordance with procedure. Determine required screen range and create a linear screen for each angle/or straight beam mode as applicable by procedure. Select calibration reflectors for each mode Create a DAC for each mode Establish a calibration check for each mode Create an electronic file.	Code Initials/ Date Initials/ Initials/ Date Initials/ Date Initials/ Date Initials/ Date Date

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

CANDIDATE:	ID:		
METHOD: Ultrasonic (Basic)			
ACTIVITY TITLE: Pre-Examination Preparation			
Applicable Procedures, Drawings and/or Reference Documents:			

ELEMENT NO	ACTIVITIES	Action Code	Candidate Initials/ Date	Level I II & III Initials/ Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
4.01A	Verify all elements, i.e. inspection equipment including paperwork is assembled ad ready.	Р				
4.01B	Shield equipment	Р				
4.01C	Verify required briefings have been completed	Р				
4.02A	Conduct a survey of area for hazards	Р				
	Verify weld/component identification	Р				
4.02B	Ensure weld profile and surface condition meet requirements	P				
4.02C	Acquire temperature	Р				
4.02D	Establish datum	Р				
4.02D	Determine scan directions	Р				
4.02E	Determine scan limitations and document	Р				

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

CANDIDATE:		ID:	
METHOD: Ultraso	onic (Basic)		
ACTIVITY TITLE:	Perform Examination		
Applicable Procedu	res, Drawings and/or Reference Documents:		

ELEMENT NO	ACTIVITIES	Action Code	Candidate Initials/ Date	Level I II & III Initials/ Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
4.03B	Recall Cal/data file	P				
4.03C	Perform calibration reference checks	Р				
4.03D	Document results	Р				
4.03E	Apply couplant	P				
4.03F	Determine scan start position	P				
4.03G	Adjust scan gain	P				
4.03I,4.03J	Scan component, maintaining scan speed, overlap and oscillation for each angle/mode	Р				

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

CANDIDATE:		ID:	
METHOD: Ultraso	onic (Basic)		
ACTIVITY TITLE:	Record Indications/Document Examination		
Applicable Procedu	res, Drawings and/or Reference Documents:		

ELEMENT NO	ACTIVITIES	Action Code	Candidate Initials/ Date	Level I II & III Initials /Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
5.02	Determine geometric versus non-geometric reflectors	Р				
5.02A	Obtain W and L positions	Р				
5.02B	Acquire a weld profile at area of indication (non-geometric)	Р				
	Perform post calibration reference checks	Р				
4.03N	Verify all required information has been obtained on field copies	Р				
4.03N	Perform post examination cleanliness of inspection area	Р				
5.04	Complete final calibration form	Р				
5.04B	Complete examination form	Р				
5.03	Perform plotting of recorded indications	Р				
5.04C	Assemble data package	Р				

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.

CANDIDATE:	ID:	
METHOD: Ultrasonic (Basic)		
ACTIVITY TITLE: Record Indications/	Occument Examination	
Applicable Procedures, Drawings and/or	Reference Documents:	

ELEMEN T NO	ACTIVITIES	Action Code	Candidate Initials /Date	Level I II & III Initials /Date	TPE Level III Initials/ Date	COMMENTS / REMARKS
6.01	Determine if indication is geometric or non- geometric	Р				
6.01A	Follow procedure for recording a geometric indication	Р				
6.01B	Determine if additional surface conditioning is required for sizing techniques for non-geometric indication	Р				
6.01B	Obtain through wall and length sizing	Р				
6.01B	Determine if indication is ID connected	Р				
6.03	Determine aspect ratio for a Section XI indication including linear interpolation if required	Р				
6.04	Determine acceptability of indication	Р				
6.05	Document results and submit for review	P				

^{*} See JTA "Ultrasonic Basic" for identified elements and the associated skills and knowledge.