Reference. No.															

SELF - ASSESSMENT GUIDE

Qualification:	**DIE DESIGNING NC IV**
Units of Competency Covered:	• **Determine die design parameter** • **Perform CAD operation** • **Simulate and verify die design** • **Modify and finalize die design** • **Create fabrication Drawing**

Instruction:
- Read each of the questions and check the appropriate column to indicate your answer.

Can I?	**YES**	**NO**
• **Identify product requirements***		
- Identify product material		
- Check customer requirements		
- Determine die classification based on production volume		
- Identify production process based on product requirements		
• **Identify die material parameters***		
- Identify die material requirements		
- Determine production volume based on product requirements		
- Identify design parameters based on product requirements		
• **Determine equipment**		
- Determine press machine type and capacity based on die requirements		
- Consider die requirements		
- Determine product volume		
- Determine die design		
• **Determine job requirements for CAD operation***		

- Verify product samples and drawings		
- Determine missing dimensions		
• **Prepare the CAD environment***		
- Set screen display area to CAD environment		
- Set tool bars		
• **Create 3D CAD drawings***		
- Create 3D CAD drawings		
- Modify 3D CAD drawings		
• **Save 3D CAD drawing***		
- Save drawing files		
• **Determine job requirements for simulation and verification***		
- Identify simulation requirements		
- Prepare 3D CAD drawings for simulations		
- Convert 3D CAD drawings to appropriate extension file		
• **Prepare the CAD simulation environment***		
- Set simulation toolbars and environment		
• **Simulate and verify 3D CAD drawings***		
- Simulate and verify 3D CAD drawings		
• **Save simulation results***		
- Save simulation results in designated folder		
• **Prepare CAD environment for modification and finalization***		
- Set screen display area to CAD environment		
- Set design tool bars		

• **Modify 3D CAD drawings***		
- Modify 3D CAD drawings		
• **Save modified 3D CAD drawings***		
- Save modified 3D CAD drawings		
• **Create fabrication drawings***		
- Prepare assembly drawings		
- Prepare parts drawing		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name & Signature:	**Date:**	