

International Digital Image Correlation Society (iDICs)

Level 1 Certification Exam

Experience Records

As part of the Level 1 DIC Certification, students must have 80 hours of practical, hands-on experience with DIC measurements before sitting for the exam. Students should complete this form during their training, providing basic information about each completed project as outlined in Chapter 6 Reporting Requirements of the *Good Practices Guide for Digital Image Correlation* (<https://10.32720/idics/gpg.ed1>). A supervisor must sign the form for each completed project. Students should bring the completed form to the exam to turn into the examiner. Additional pages may be added as necessary.

Project 1

Title: _____

Description: _____

Date: _____

Hours:	
Designing the DIC measurement:	_____
Preparing for the DIC measurement:	_____
Executing the DIC measurement:	_____
Processing the DIC results:	_____
Total:	_____

DIC Hardware Parameters:

<u>Required:</u>	
Camera manufacturer and model, and image resolution:	_____
Lens manufacturer and model, and focal length:	_____
Field-of-view:	_____
Image scale:	_____
Stereo-angle:	_____
Stand-off distance:	_____
Image acquisition rate:	_____
Patterning technique:	_____
Approximate pattern feature size:	_____

<u>Recommended:</u>	
Aperture:	_____
Image noise:	_____



DIC Analysis Parameters:

Required:

DIC software package name and manufacturer:

Image filtering, if applied:

Subset size:

Step size:

Subset shape function:

Data processing and filtering for QOIs, e.g.:

- Pre-filtering of displacements:
- Strain formulation:
- Strain window:
- Virtual strain gauge size:
- Post-filtering of strains:

Noise-floor and bias of QOIs:

Recommended:

DIC software package version number:

Calibration parameters, e.g.:

- Model and serial number of calibration target:
- Image center:
- Focal length:
- Lens distortion correction model and parameters:
- Stereo-angle:
- Distance between cameras:
- Calibration quality metric(s):

Interpolant:

Matching criterion:

Comments:

Signature and Date:

