THE BARCODE EXPERTS

Axicon 15000 series barcode verifier

Performance Qualification results form

(PQ) Test 1 Standard equipment (page 27 of the instruction book).

Required	Results
Axicon 15000 series verifier	
Serial number of verifier	
User guide	
Calibration card	
Serial number of calibration card	
Expiry date of calibration card (one year from test date)	
CD containing installation software	
Calibration card is valid	
Software version number	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 2 Performance qualification test cards (page 28 of the instruction book)

Required	Results
Cards' certificate of conformance	
Date of certificate	
Expiry date of certificate	
Reference test cards are within their validity period.	
All six test cards are present.	
No damage to test cards.	
All test cards have the same batch number as shown on the certificate	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 3 Software (page 28 of the instruction book)

Required	Results
Software version installed	
Latest software version	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 4 Preparing PQ test (page 28 of the instruction book)

Required	Results
Verifier to be activated for at least two minutes	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 5 Activate the performance qualification plugin (page 28 of the instruction book)

Required	Results
The "Performance Qualification" plugin has been activated	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 6 Calibration (page 29 of the instruction book)

Required	Results
The serial number on the calibration card is the same as that on its certificate of conformance	
The calibration card is not showing signs of wear or physical abuse	
The certificate of conformance is still valid	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 7 Calibration successful (page 29 of the instruction book)

Calibration Successful	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 8 Grid non-uniformity (page 30 of the instruction book)

Required	Results
Batch number of test card	
Expected GNU grade (shown on the card)	
Actual grade achieved	
No difference between the grades	
GNU percentage on the card	
Measured GNU percentage	
Difference in GNU percentages is within ± 6%.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 9 Unused error correction (page 31 of the instruction book)

Required	Results
Batch number of test card	
Expected UEC grade	
Actual grade achieved	
No difference between the grades.	
Expected UEC percentage	
Actual UEC percentage	
The two percentages are the same.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 10 Module size (page 31 of the instruction book)

Required	Results
Batch number of test card	
Expected X dimension (in microns)	508
Actual measured X dimension	
Difference is +/- 10 microns.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 11 Fixed pattern damage (page 32 of the instruction book)

Required	Results
Batch number of test card	
Expected FPD grade	
Actual FPD grade achieved	
No difference between the grades	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 12 Axial non-uniformity (page 33 of the instruction book)

Required	Results
Batch number of test card	
Expected ANU grade	
Actual ANU grade	
No difference between the grades.	
Expected ANU percentage	
Measured ANU percentage	
Difference in percentages is ±/- 2%.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 13 Repeatability (page 33 of the instruction book)

Test Number	Grade	Percentage	In tolerance?
Test 1			
Test 2			
Test 3			
Test 4			
Test 5			
Test 6			
Test 7			
Test 8			
Test 9			
Test 10			

Required	Results
Serial number of test card	
All grades to be the same.	
All percentages to be ±/- 2% from the figure shown on the card.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 14 Contrast uniformity (page 34 of the instruction book)

Required	Results
Scan 1	
Scan 2	
Scan 3	
Scan 4	
Scan 5	

Required	Results
Batch number of test card	
All CU percentages greater than 16%.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

(PQ) Test 15 Linear code modulation (page 35 of the instruction book)

Required	Results
Scan 1	
Scan 2	
Scan 3	
Scan 4	
Scan 5	

Required	Results
Batch number of test card	
Measured percentages are all greater than 43%.	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

Summary of tests for Performance Qualification

Test Number	Required	Completed
Test 1	Standard equipment	
Test 2	PQ test cards	
Test 3	Software	
Test 4	Activation of verifier	
Test 5	Activate PQ plugin	
Test 6	Calibration card	
Test 7	Calibration of verifier	
Test 8	Grid non-uniformity	
Test 9	Unused error correction	
Test 10	Module size	
Test 11	Fixed pattern damage	
Test 12	Axial non-uniformity	
Test 13	Repeatability	
Test 14	Contrast uniformity	
Test 15	Linear code modulation	

Examiner Signature: ..... Date: .....

Confirmed by: ..... Date: .....

Final assessment
If all the tests have been passed, the verifier has passed its Performance Qualification, and the following certificate of conformance may be completed. If any of the tests has failed, contact Axicon or your reseller to arrange for the verifier to be serviced.

Certificate of Performance Qualification

This is to certify that I have checked the following verifier today:

Axicon verifier model: .....

Serial number: .....

in accordance with the Axicon erformance Qualification test protocol.
The verifier will now operate in accordance with Axicon's specifications and has been configured to meet the user's requirements.

The verifier has passed all the defined tests within the prescribed tolerance limits and conforms to ISO/IEC 15426-1 and ISO/IEC 15426-2. It is working in accordance with the manufacturer's specifications.

This performance qualification test protocol must be used with valid test cards. The six cards must all have the same batch number and not have reached their expiry date.

The details of the cards supplied with this test protocol are set out below:

Test cards batch number: .....

Expiry date of cards: .....

Date: .....

Signed: .....

Name and job title: .....