

## **X9 REGISTRY FOR CHECK IMAGE TESTS**

### **FSTC Folded Or Torn Document Corners #003.00**

#### **Check Image Test Status: A**

*Where:*

*A = Active (approved for use)*

*W = Withdrawn (not for use)*

*S = Superseded (not for use - replaced by specified test)*

## Check Image Test Summary:

Field/ Element	Defined Values	Recommended Value	Data Units
Image Test Name	FSTC Folded Or Torn Document Corners		
Image Test Number	003.00		
Image Test Version	00		
<i>Image Test Results (Ref. #):</i>			
Corner Fold/Tear Bottom Right Width (R1)	'0' through '255'		Tenths of inches
Corner Fold/Tear Bottom Right Height (R2)	0' through '255'		Tenths of inches
Corner Fold/Tear Bottom Left Width (R3)	0' through '255'		Tenths of inches
Corner Fold/Tear Bottom Left Height (R4)	0' through '255'		Tenths of inches
Corner Fold/Tear Top Right Width (R5)	0' through '255'		Tenths of inches
Corner Fold/Tear Top Right Height (R6)	0' through '255'		Tenths of inches
Corner Fold/Tear Top Left Width (R7)	'0' through '255'		Tenths of inches
Corner Fold/Tear Top Left Height (R8)	0' through '255'		Tenths of inches
<i>Image Test Parameters (Ref #):</i>			
Maximum Corner Fold/Tear Bottom Right Width Threshold (P1)	'0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Bottom Right Height Threshold (P2)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Bottom Left Width Threshold (P3)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Bottom Left Height Threshold (P4)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Top Right Width Threshold (P5)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Top Right Height Threshold (P6)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Top Left Width Threshold (P7)	0' through '255'		Tenths of inches
Maximum Corner Fold/Tear Top Left Height Threshold (P8)	0' through '255'		Tenths of inches

<b>1.0</b>	<b>Applicant Information</b>	
<b>1.1</b>	Organization Name:	<b>Financial Service Technology Consortium</b>
<b>1.2</b>	Organization Address:	<b>44 Wall St. 12<sup>th</sup> Floor New York, NY 10005</b>
<b>1.3</b>	Organization Web Site URL:	<a href="http://www.fstc.org">www.fstc.org</a>

<b>2.0</b>	<b>Image Test Description</b>	
<b>2.1</b>	<b>Image Test Name:</b>	FSTC Folded Or Torn Document Corners
<b>2.2</b>	<b>Image Test XML Name:</b>	FoldedTornDocCorners
<b>2.3</b>	<b>Image Test Definition:</b>	A defect due to the corner of the source document being missing and/or folded in the document image rendition.
<b>2.4</b>	<b>Image Test Applicability:</b>	<input checked="" type="checkbox"/> <i>Front Image</i> <input checked="" type="checkbox"/> <i>Rear Image</i> <input checked="" type="checkbox"/> <i>B/W Image</i> <input checked="" type="checkbox"/> <i>Grayscale Image</i> <input checked="" type="checkbox"/> <i>Color Image</i>
<b>2.5</b>	<b>Intended Use:</b> Intended business use/ application, business context, and business impact when test fails.	In general, the presence of a “folded/torn document corner” could cause one or more key data fields, present on the source document to be missing and/or obscured on the image rendition of the document.  FSTC recommends this metric for use as part of a general system-health monitoring and image quality assurance program.
<b>2.6</b>	<b>Possible Causes for Condition Being Tested:</b>	Folded document corners. An image defect identified when a corner (upper left, upper right, lower left, lower right) of the source document has been folded, causing an area of the document image to be missing and obscured.  Torn document corners. An image defect identified as a missing corner (upper left, upper right, lower left, lower right) in the source document, resulting in an area of the document image to be missing.
<b>2.7</b>	<b>Additional (or Repetitive) Information:</b>	The test is performed by independently measuring the width and height of any detected folds or tears along the corners of a check. Generally a torn or folded corner will not extend all the way to the opposite end of the check. Edge defects are measured separately.  The measurement is calculated by creating the equivalent of a circumscribing rectangle encompassing the entire missing area of the corner. Results are reported for the width and height of the circumscribing rectangle.

**Orientation:** The test is defined relative to the image as seen by an observer. The test is performed along all four corners, and these corners are referred to as Lower (or Bottom) Right, Lower (or Bottom) Left, Upper (or Top) Left, and Upper (or Top) Right. For a properly oriented face of check, these are as follows:

Lower Right = Intersection of aligning and leading edge  
Lower Left = Intersection of aligning and trailing edge  
Upper Right = Intersection of top and leading edge  
Upper Left = Intersection of top and trailing edge

A fold or tear is presumed to be present on both sides of the check. As a result of the test being applied to the image, the following is the mapping of a properly oriented check for the rear of the check:

Lower Right = Intersection of aligning and trailing edge  
Lower Left = Intersection of aligning and leading edge  
Upper Right = Intersection of top and trailing edge  
Upper Left = Intersection of top and leading edge

Therefore a tear on the front right corner should also be reported as occurring on the rear left corner. A tear on the left front corner should also be reported on the right rear corner.

The description of the test contained within each result generally refers to the "check" under the assumption that the check is properly oriented and the measurement is relative to the side of the check being viewed/examined.

The terms "aligning edge", "leading edge", and "trailing edge" are defined in ANS X9.7-1999.

**XML Names:** FSTC defined XML names as needed for its project. FSTC is not submitting these XML names, and instead requests that the RMG or X9B assign appropriate XML names and data structures for the metrics.

**Algorithms:** FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.

**Rounding Rule:** All fractional values shall be rounded to the nearest whole unit of measure. Fractional values of exactly  $\frac{1}{2}$  unit shall be rounded up.

**Data Ranges:** FSTC did not establish a formal data range for individual metrics. Any data ranges provided are based on adjusted values used during the FSTC project. FSTC does not object if the RMG modifies the data ranges.

**Data Range Exception Handling:** If a result exceeds the defined data range, the preferred handling is to truncate the result at the maximum (or minimum) value. If truncation is not implemented, then the test should fail and a result of indeterminate should be returned.

**Margin of Error:** FSTC established a margin of error for use during the FSTC Image Quality and Usability Phase 2 project. This margin of error is included in the recommendations below. It was established based on the expertise of the project's membership, the potential for various

	<p>algorithms to produce slightly different results for a given metric, and the observed precision of the results submitted during accuracy testing of metric implementations.</p> <p><b>Value Reporting:</b> The value of the image metric(s) for this defect will be reported under all image quality flag conditions. If the defect condition is “not tested”, the value of the image metric(s) reported for this defect will be set to zero.</p>
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<b>2.8</b>	<p><b>Test Results Reported</b></p> <p><i>A test result is the outcome realized from executing an image test. The outcome will typically be the observed or measured value of some attribute pertaining to the image being tested.</i></p> <p><i>Any dependency of a test result on an image side (front or rear), image rendition (B/W, Gray, Color), or other condition shall be fully defined in the Additional Information section.</i></p> <p><i>Data types allowed are as defined in ANS X9.100-180-2006, but are typically alphabetic, numeric, alphanumeric, signed numeric (using “+” and “-“ to denote sign), etc.</i></p>
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<b>2.8.1 First Image Test Result (R1)</b>				
<b>Test Result Name: Corner Fold/Tear Bottom Right Width</b>				
<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error (in Data Units) (Where Applicable):</b>
CornerFoldBRW	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The width is the length of the circumscribing rectangle enclosing a tear or fold on the lower right corner of the check (parallel to the aligning edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.2 Second Image Test Result (R2)****Test Result Name: Corner Fold/Tear Bottom Right Height**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error in Data Units (Where Applicable):</b>
CornerFoldBRH	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The height is the length of the circumscribing rectangle enclosing a tear or fold on the lower right corner of the check (parallel to the leading edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.3 Third Image Test Result (R3)****Test Result Name: Corner Fold/Tear Bottom Left Width**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error (in Data Units) (Where Applicable):</b>
CornerFoldBLW	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The width is the length of the circumscribing rectangle enclosing a tear or fold on the lower left corner of the check (parallel to the aligning edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.4 Fourth Image Test Result (R4)****Test Result Name: Corner Fold/Tear Bottom Left Height**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error in Data Units (Where Applicable):</b>
CornerFoldBLH	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The height is the length of the circumscribing rectangle enclosing a tear or fold on the lower left corner of the check (parallel to the trailing edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.5 Fifth Image Test Result (R5)****Test Result Name: Corner Fold/Tear Top Right Width**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error (in Data Units) (Where Applicable):</b>
CornerFoldTRW	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The width is the length of the circumscribing rectangle enclosing a tear or fold on the upper right corner of the check (parallel to the aligning edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.6 Sixth Image Test Result (R6)****Test Result Name: Corner Fold/Tear Top Right Height**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error in Data Units (Where Applicable):</b>
CornerFoldTRH	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The height is the length of the circumscribing rectangle enclosing a tear or fold on the upper right corner of the check (parallel to the leading edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

**2.8.7 Seventh Image Test Result (R7)****Test Result Name: Corner Fold/Tear Top Left Width**

<b>Test Result XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Margin of Error (in Data Units) (Where Applicable):</b>
CornerFoldTLW	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The width is the length of the circumscribing rectangle enclosing a tear or fold on the upper left corner of the check (parallel to the aligning edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			



### 2.8.8 Eighth Image Test Result (R8)

#### Test Result Name: Corner Fold/Tear Top Left Height

Test Result XML Name:	Data Type:	Data Units:	Data Range:	Margin of Error in Data Units (Where Applicable):
CornerFoldTLH	Numeric	tenths of inches	0-255	+/- 2 tenths of an inch
<b>Description:</b>	The height is the length of the circumscribing rectangle enclosing a tear or fold on the upper left corner of the check (parallel to the leading edge for a properly oriented check).			
<b>Formula and/ or Algorithm:</b>	FSTC does not recommend any specific algorithms. Each vendor is free to implement a metric using their own techniques.			
<b>Additional Information:</b>	See section 2.7.			

<b>2.9</b>	<b>Test Parameters Reported</b> <i>Examples of image test parameters are threshold values used to compute a pass/fail image test flag condition, and constant values used in a formula or algorithm to compute an image test result.</i> <i>Any dependency of a test parameter on an image side (front or rear), image rendition (B/W, Gray, Color), or other condition shall be fully defined in the Additional Information section.</i> <i>Any dependency of recommended values on an image side (front or rear), image rendition (B/W, Gray, Color), or other condition shall be fully defined in the Recommended Values section.</i> <i>Data types allowed are as defined in ANS X9.100-180-2006, but are typically alphabetic, numeric, alphanumeric, signed numeric (using "+" and "-" to denote sign), etc.</i>
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### 2.9.1 First Test Parameter (P1)

#### Test Parameter Name: Maximum Corner Fold/Tear Bottom Right Width Threshold

Test Parameter XML Name:	Data Type:	Data Units:	Data Range:	Recommended Value(s) (Where Applicable):
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MaxCornerFoldBRWThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			
<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>			

<b>2.9.2 Second Test Parameter (P2)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Bottom Right Height Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldBRHThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			
<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>			

<b>2.9.3 Third Test Parameter (P3)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Bottom Left Width Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldBLWThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available

<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.
<b>Additional Information:</b>	The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation. The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.

<b>2.9.4 Fourth Test Parameter (P4)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Bottom Left Height Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldBLHThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			
<b>Additional Information:</b>	The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation. The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.			

<b>2.9.5 Fifth Test Parameter (P5)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Top Right Width Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldTRWThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			

<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>
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<b>2.9.6 Sixth Test Parameter (P6)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Top Right Height Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldTRHThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			
<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>			

<b>2.9.7 Seventh Test Parameter (P7)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Top Left Width Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldTLWThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			

<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>
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<b>2.9.8 Eighth Test Parameter (P8)</b>				
<b>Test Parameter Name: Maximum Corner Fold/Tear Top Left Height Threshold</b>				
<b>Test Parameter XML Name:</b>	<b>Data Type:</b>	<b>Data Units:</b>	<b>Data Range:</b>	<b>Recommended Value(s) (Where Applicable):</b>
MaxCornerFoldTLHThreshold	Numeric	tenths of inches	0-255	Front: Not Available Rear: Not Available
<b>Description:</b>	The number used to compare against the measured results as described in section 2.10.			
<b>Additional Information:</b>	<p>The parameter is defined relative to the actual corner of the face of a right-side up document. As a result, the same corner measurement occurs on opposite sides of the image when viewing the front and rear images in proper orientation.</p> <p>The FSTC Image Quality and Usability Phase 2 project test with Viewpointe did not provide sufficient quantities of corner defects upon which to establish a reliable recommended default threshold.</p>			

<p><b>2.10</b></p>	<p><b>Image Test Flag Pass/Fail Criteria:</b></p> <p><i>The Image Test Flag (see ANS X9.100-40-1-2006 for details) will convey one of the following four test conditions:</i></p> <ul style="list-style-type: none"> <li>• <i>Condition not tested</i></li> <li>• <i>Condition tested and result = fail</i></li> <li>• <i>Condition tested and result = pass</i></li> <li>• <i>Condition tested and result=indeterminate</i></li> </ul>	<p>Results are reported independently for the Front and Rear image renditions. Selection of the threshold value corresponding to the image view (front or rear) is the responsibility of the implementer.</p> <p>Key:    B = Bottom      R = Right      L = Left      T = Top                  W = Width      H = Height</p> <p>If condition not tested then flag=<b>not tested</b></p> <p>If condition tested then <b>flag = fail</b> if any of the following conditions is present:</p> <p><b>Front:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">(Torn Corner BRW Torn Corner BRH)</td> <td style="width: 30%;">&gt; Maximum Corner Fold/Tear BRW Threshold &gt; Maximum Corner Fold/Tear BRH Threshold)</td> <td style="width: 20%; text-align: right;"><b>and</b></td> </tr> <tr> <td><b>or</b> (Torn Corner BLW Torn Corner BLH)</td> <td>&gt; Maximum Corner Fold/Tear BLW Threshold &gt; Maximum Corner Fold/Tear BLH Threshold)</td> <td style="text-align: right;"><b>and</b></td> </tr> <tr> <td><b>or</b> (Torn Corner TRW Torn Corner TRH)</td> <td>&gt; Maximum Corner Fold/Tear TRW Threshold &gt; Maximum Corner Fold/Tear TRH Threshold)</td> <td style="text-align: right;"><b>and</b></td> </tr> <tr> <td><b>or</b> (Torn Corner TLW Torn Corner TLH)</td> <td>&gt; Maximum Corner Fold/Tear TLW Threshold &gt; Maximum Corner Fold/Tear TLH Threshold)</td> <td style="text-align: right;"><b>and</b></td> </tr> </table> <p>If condition tested and none of the fail conditions is present then flag=<b>pass</b></p> <p>If condition tested but could not determine pass or fail for any reason then flag=<b>indeterminate</b></p> <p>Refer to specific Image Test Results and their respective thresholds (Image Test Parameters) if it is important to determine which corner or corners failed the test.</p>	(Torn Corner BRW Torn Corner BRH)	> Maximum Corner Fold/Tear BRW Threshold > Maximum Corner Fold/Tear BRH Threshold)	<b>and</b>	<b>or</b> (Torn Corner BLW Torn Corner BLH)	> Maximum Corner Fold/Tear BLW Threshold > Maximum Corner Fold/Tear BLH Threshold)	<b>and</b>	<b>or</b> (Torn Corner TRW Torn Corner TRH)	> Maximum Corner Fold/Tear TRW Threshold > Maximum Corner Fold/Tear TRH Threshold)	<b>and</b>	<b>or</b> (Torn Corner TLW Torn Corner TLH)	> Maximum Corner Fold/Tear TLW Threshold > Maximum Corner Fold/Tear TLH Threshold)	<b>and</b>
(Torn Corner BRW Torn Corner BRH)	> Maximum Corner Fold/Tear BRW Threshold > Maximum Corner Fold/Tear BRH Threshold)	<b>and</b>												
<b>or</b> (Torn Corner BLW Torn Corner BLH)	> Maximum Corner Fold/Tear BLW Threshold > Maximum Corner Fold/Tear BLH Threshold)	<b>and</b>												
<b>or</b> (Torn Corner TRW Torn Corner TRH)	> Maximum Corner Fold/Tear TRW Threshold > Maximum Corner Fold/Tear TRH Threshold)	<b>and</b>												
<b>or</b> (Torn Corner TLW Torn Corner TLH)	> Maximum Corner Fold/Tear TLW Threshold > Maximum Corner Fold/Tear TLH Threshold)	<b>and</b>												

3.0	Restrictions & Intellectual Property	
3.1	Are there any known restrictions in the use of the submitted check image test and related technology (technical, performance, legal, business, platform, etc.)?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - <i>please provide details:</i>
3.2	Are proprietary Intellectual Property (IP) rights in the form of Patents associated with the description and use of the submitted check image test?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – <i>Please provide patent and/or patent application numbers and indicate who owns the IP. Also provide evidence that the patent holder agrees to comply with the X9 Procedures including the X9 patent policy:</i>
3.3	Are proprietary Intellectual Property (IP) rights in the form of proprietary material and/or other intellectual property (e.g. specific to a vendor tool, device, or product) associated with the description and use of the submitted check image test?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – <i>Please provide evidence that the owner agrees to provide the Proprietary IP Holder Statement contained in Annex B of ANS X9.100-40-2006 Part 2:</i>

**Notice:** By accepting a check image test for registration, ASC X9 is not endorsing, certifying validity, certifying performance, nor providing any warranty for the registered check image test. The organization using the test shall determine which test(s) to use based on their own business needs, perceived benefit, and validation/ assessment of any test results provided by the check image test supplier, their own testing, or a third party.