



6. Individual Test Results Data

6.1. Structure Integrity Sequence

Test Criteria

Determine by visual inspection if there is any delamination, brittleness, or abnormalities in the card construction, functionality, or card features of the test cards.

Test Method

Using a laboratory oven at 50°C for 7 days (168 hours), place cards into a test fixture into the oven. Then divide the cards into two sets within 5 minutes. Set one conduct corner impact testing and set two conduct wet abrasion as per the base method.

Card Structure Integrity Sequence

Elevated Temperature and Humidity Test Log (1st in Sequence) (ANSI/INCITS 322:2015, Section 6.1)

Sampled by: BNF
 # of Samples Tested: 15
 Technician: ADS
 Time: 8:50 AM
 Date: 6/12/2023
 Room Temperature: 23.5 C
 Room Relative Humidity: 44%
 Chamber Temperature: 50 C
 Chamber Humidity: 95%
 Samples Preconditioned: Y
 High Resolution Images Archived: Y
 Environmental Logger ID#: 30365
 Calibration Valid Until: 12/13/2023
 Chamber ID#: 30521
 Calibration Valid Until: 3/28/2025

Card ID #	Visual Inspection				
	Printing	Magstripe	Hologram	Sig. Panel	ICC
Card ASI01	PASS	PASS	PASS	PASS	PASS
Card ASI02	PASS	PASS	PASS	PASS	PASS
Card ASI03	PASS	PASS	PASS	PASS	PASS
Card ASI04	PASS	PASS	PASS	PASS	PASS
Card ASI05	PASS	PASS	PASS	PASS	PASS
Card ASI06	PASS	PASS	PASS	PASS	PASS
Card ASI07	PASS	PASS	PASS	PASS	PASS
Card ASI08	PASS	PASS	PASS	PASS	PASS
Card ASI09	PASS	PASS	PASS	PASS	PASS
Card ASI10	PASS	PASS	PASS	PASS	PASS
Card ASI11	PASS	PASS	PASS	PASS	PASS
Card ASI12	PASS	PASS	PASS	PASS	PASS
Card ASI13	PASS	PASS	PASS	PASS	PASS
Card ASI14	PASS	PASS	PASS	PASS	PASS
Card ASI15	PASS	PASS	PASS	PASS	PASS

Job Notes:

Cards exposed for 7 days at 50 C 95% RH

Card Structure Integrity Sequence

Wet Abrasion Test Log (2nd in Sequence) (ANSI/INCITS 322:2015, Section 6.1)

Sampled by: BNF
 # of Samples Tested: 7
 Technician: ADS
 Time: 2:50 PM
 Date: 6/12/2023
 Temperature: 23.5 C
 Relative Humidity: 44%
 Samples Preconditioned: Y
 Calibration Verified: Y
 Valid Until: 3/8/2024
 Environmental Logger ID#: 30365
 Calibration Valid Until: 12/13/2023

Card ID#	Visual Side/Center Delamination	Visual Printing Deterioration	Visual Hologram Deterioration	Visual Corner Delamination	Visual Corner Radius Deterioration	Results
Card ASI01	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI02	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI03	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI04	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI05	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI06	Minor	Minor	Minor	Minor	Minor	PASS
Card ASI07	Minor	Minor	Minor	Minor	Minor	PASS

Job Notes:

Minor – Small wear.
 Moderate – Image for hologram still present but slightly less visible or delamination 1-5 mm in length.
 Severe – Image for hologram no longer visible or delamination greater than 5mm.



6.1. Structure Integrity Sequence continued

Please see below for an example card tested for wet abrasion.

All cards exhibited similar wear patterns.

No significant difference between the wear patterns of the cards tested.

All high resolution photographs are available upon request.

ASI01 Front and Back Pretest



ASI01 Front and Back Posttest

