

NCPDP Guidance to Best Practices for Tamper Resistant Printed Prescriptions

Category 1:	Feature	Description
Copy Resistance	A) Void/Illegal/Copy Pantograph with or without Reverse Rx	<i>The word “Void,” “Illegal,” or “Copy” appears when the prescription is photocopied.</i>
	B) Micro print signature line for prescriptions generated by an EMR if they cannot produce Void/Illegal/Copy Pantograph with or without Reverse Rx	<i>Very small font which is legible (readable) when viewed at 5x magnification or greater, and illegible when copied.</i>
Category 2: Erasure / Modification Resistance	A) An Erasure revealing background (resists erasures and alterations) for written prescriptions or printed on “toner-lock” paper for laser printed prescriptions, and on plain bond paper for inkjet printed prescriptions	<i>Background that consists of a solid color or consistent pattern that has been printed onto the paper. This will inhibit a forger from physically erasing written or printed information on a prescription form.</i> <i>Toner-lock paper is special printer paper that establishes a strong bond between laser-printed text and paper, making erasure obvious. Note – this is NOT necessary for inkjet printers – as the ink from inkjet printers is absorbed into normal “bond” paper.</i>
	B) Quantity check off boxes, refill indicator (circle number of refills or “NR”), or border characteristics (dispense and refill # bordered by asterisks and optionally spelled out) for prescriptions generated by an EMR	<i>In addition to the written quantity on the prescription, quantities are indicated in ranges.</i> <i>Quantities and refill # are surrounded by special characters such as an asterisks to prevent modification, e.g. QTY **50**.</i>
Category 3: Counterfeit Resistance	A) Security features and descriptions listed on the prescription	<i>A Complete list of the security features on the prescription paper aids pharmacists in identification of features and determine compliance</i>

NCPDP Guidance of Best Practices for Tamper Resistant Printed Prescriptions
(Handwritten)

Category 1

A) Photocopied “COPY”, “ILLEGAL”, or “VOID” Pantograph

Category 2

A) An Erasure revealing background (resists erasures and alterations)

B) Quantity check off boxes

C) Refill indicator (circle number of refills or “NR”)

Category 3

A) Security features and descriptions listed on the prescription

NCPDP Guidance of Best Practices for Tamper Resistant Printed Prescriptions (Handwritten)
(continued)

Front

Void or Copy Pantograph: displays "VOID" or "ILLEGAL" on a color copy of an Rx. It will appear on a wide range of copier settings. (Cat. 1)

Back

Chemically-Protected Paper: Invisible coating causes "VOID" or a stain to appear on a handwritten Rx when altered by a wide range of chemicals. Toner receptor coating protects laser-printed Rx data from being removed or altered. (Cat. 2) Recommended for use with Preprinted Text Fields

SPRINGHAVEN MEDICAL PRACTICE
 1234 HEALTH CENTER DRIVE
 DAYTON, OH 45408
 PHONE 1-937-221-1234 • FAX 1-937-434-5678

JOHN R. SMITH, M.D.
 Lic: 123456 • DEA: XX1234567
 NPI: 2222222222

HELEN C. DOE, M.D.
 Lic: 123456 • DEA: XX1234567
 NPI: 2222222222

PATIENT'S FULL NAME	SEX	DATE OF BIRTH
ADDRESS	DATE	

Rx 00000001

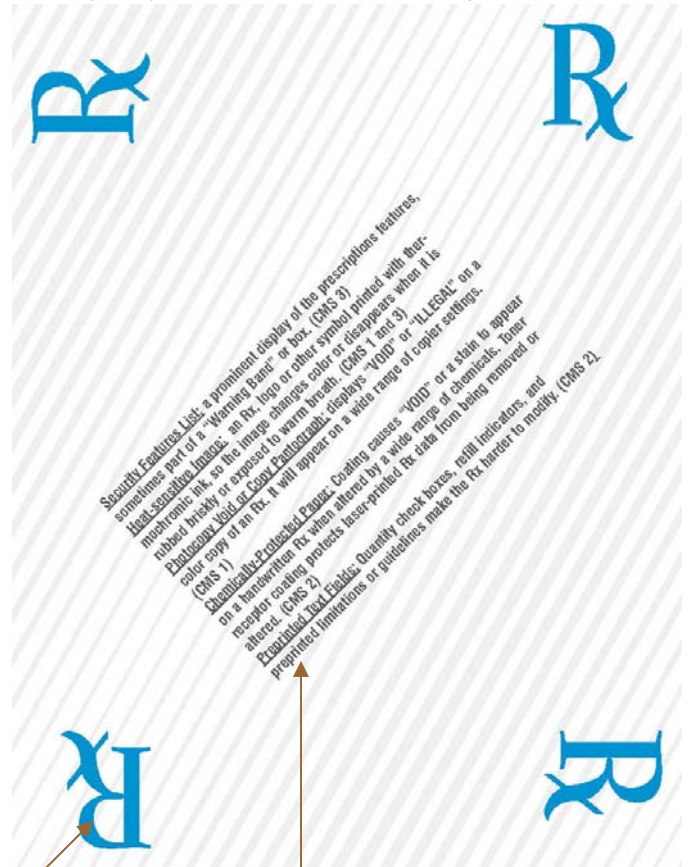
1-24
 25-49
 50-74
 75-100
 101-150
 151 and over

PRESCRIBER'S SIGNATURE _____
 DEA #: _____

TEST AREA Refills 1 2 3 4
 No Refills Void After _____
VALID FOR CONTROLLED SUBSTANCES

Preprinted Text Fields: Quantity check boxes, refill indicators, and preprinted limitations or guidelines make the Rx harder to modify. (Cat.2)

Heat-sensitive Image: An Rx, logo, or other symbol printed with Thermochromic ink, so the image changes color or disappears when it is rubbed briskly or exposed to warm breath. (Cat. 1 and 3)



Security Features List: a prominent display of the prescriptions features, sometimes part of a "Warning Band" or box. (Cat. 3)

Example of a Color Copied Prescription

SPRINGHAVEN MEDICAL PRACTICE
 1234 HEALTH CENTER DRIVE
 DAYTON, OH 45408
 PHONE 1-937-221-1234 • FAX 1-937-434-5678

JOHN R. SMITH, M.D.
 Lic: 123456 • DEA: XX1234567
 NPI: 2222222222

HELEN C. DOE, M.D.
 Lic: 123456 • DEA: XX1234567
 NPI: 2222222222

PATIENT'S FULL NAME	SEX	DATE OF BIRTH
ADDRESS	DATE	

Rx 00000001

1-24
 25-49
 50-74
 75-100
 101-150
 151 and over

PRESCRIBER'S SIGNATURE _____
 DEA #: _____

TEST AREA Refills 1 2 3 4
 No Refills Void After _____
VALID FOR CONTROLLED SUBSTANCES

Hollow Pantograph: VOID or ILLEGAL is designed to not obscure or block vital information. Often showing strongest intensity at the "top" or the document. These pantographs generally do not "pop" on a black and white fax

NCPDP's Guidance of Best Practices for Tamper Resistant Printed Prescriptions
(Generated by an EMR)

Category 1

A) Copy Resistance: Microprint signature line*

Category 2

A) Modification / Erasure Resistance: Border characteristics (dispense and refill # bordered by asterisks AND spelled out)

B) Modification / Erasure Resistance: Printed on “toner-lock” paper for laser printed prescriptions, and on plain bond paper for inkjet printed prescriptions

Category 3

A) Counterfeit Resistance: Listing of security features

*Microprint Line viewed at 5x magnification

THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION

Example A

Washington Medical Group	
555 Pennsylvania Ave, Washington DC 20001	
202-222-2222 (Fax) 202-222-1111	
Name Jane Q Public	Date 06/29/2008
Addr 123 Main Street	DOB 07/04/1960
City Washington, DC 20001	Ph: 202-555-5555
HYDROCHLOROTHIAZIDE 12.5 MG CAPS One (1) tab by mouth each morning	
Generic: HYDROCHLOROTHIAZIDE	
Disp ***30*** THIRTY (2)	
Refill ***3*** THREE	
Security features: (1) bond & spelled quantities, microprint signature line visible at 5x or > magnification that must show THIS IS AN ORIGINAL PRESCRIPTION & this description of features (3)	
(1)	John Smith, MD NPI# 1111111111

Category #1 – Copy Resistance: Microprint signature line*

Category #2 – Modification / Erasure Resistance: Border characteristics (dispense and refill # bordered by asterisks AND spelled out)

Category #2 – Modification / Erasure Resistance: Printed on “toner-lock” paper for laser printed prescriptions, and on plain bond paper for inkjet printed prescriptions


Category #3 – Counterfeit Resistance: Listing of security features

*Microprint Line viewed at 5x magnification

THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION-THIS IS AN ORIGINAL PRESCRIPTION

NCPDP's Guidance of Best Practices for Tamper Resistant Printed Prescriptions
(Generated by an EMR)
(continued)

Example B

Washington Medical Group		(1) 
555 Pennsylvania Ave, Washington DC 20001		
202-222-2222 (Fax) 202-222-1111		
Name: Jane Q. Public	Date: 06/29/2008	
Addr: 123 Main Street	DOB: 07/04/1960	
City: Washington, DC 20001	Ph: 202-555-5555	
HYDROCHLOROTHIAZIDE 12.5 MG CAPS One (1) tab by mouth each morning		
Generic: HYDROCHLOROTHIAZIDE		
Disp: ***30*** THIRTY	(2)	
Refill: ***3*** THREE		
Security features include: (*) bordered and spelled quantities, a void pantograph and reverse Rx (when copied - the prescription will say "COPY" and the "Rx" in the upper right corner will NOT be visible), and this description of features.		
(3)		
		John Smith, MD NPI# 1111111111

- Category #1 – Void/Illegal/Copy Pantograph with or without Reverse Rx
- Category #2 – Modification / Erasure Resistance: Border characteristics (dispense and refill # bordered by asterisks AND spelled out)
- Category #2 – Modification / Erasure Resistance: Printed on “toner-lock” paper for laser printed prescriptions, and on plain bond paper for inkjet printed prescriptions
- Category #3 – Counterfeit Resistance: Listing of security features