

# Magnetic Ink Printing Specifications For DDA/ARP Check Orders



**\*See ANSI Publication #X9.27 for Printing Specifications**

Account Name	Customer Account Number (maximum 10 digits)
	Starting Check Number (maximum 10 digits)
Address	Completed By
City, State, ZIP Code	

**GENERAL INFORMATION**

- No printing other than magnetic encoding is to appear within the 5/8-inch clear band across the bottom of the document.
- Debossment may not exceed .001 inch.
- MICR check serial number must correspond to the check number in the "body" of the check (preferably the top right hand corner).
- Paper weight **MUST** be 24lb. MICR bond.
- The paper quality must be such that all checks/MICR documents will successfully withstand 15 passes on PNC Bank reader/sorters.
- Maximum detached document size is 8 3/4" x 3 3/8".
- Minimum detached document size is 6" x 2 3/4".

**USE OF AUXILIARY ON-US FIELD**

- If the auxiliary ON-US field is used, the ON-US symbol must appear in position 45 and to the left of the last digit. If a commercial account requires a check serial number, it must be in the auxiliary ON-US field.
- ARP accounts **MUST** have a check (serial) number in the auxiliary ON-US field.
- The **maximum** number of numeric digits is 10. (Less than 10 may be used.)

**IMPORTANT**

Any questions regarding PNC Bank check requirements — contact the Quality Control Department, 412-762-4989.

Upon completion of this order, send a minimum of 20 documents for MICR testing to:

**PNC Bank, N.A.**  
Attn: Quality Control  
P7-PFSC-01-C  
500 First Avenue  
Pittsburgh PA 15219

ROUTING/TRANSIT FRACTION MUST APPEAR IN UPPER RIGHT CORNER OF CHECK
ROUTING/TRANSIT FRACTION <b>8 - 290 / 430</b>

BANK NAME AND LOCATION MUST APPEAR ON CHECK AS SHOWN BELOW
<b>PNC Bank, N.A.      015</b>

- BL - Blank Column**
- TR - Transit No. Symbol** 'I'
- AM - Amount Symbol** 'A'
- AC - On-Us Symbol** 'A'
- DA - Dash Symbol** 'A'
- X - Consec. No. Position**

**\* IT IS THE PRINTER'S RESPONSIBILITY TO ADHERE TO ALL ANSI/X9 SPECIFICATIONS**

**NUMBERS AND SYMBOLS SHOWN BELOW MUST BE PRINTED IN MAGNETIC INK WITH E 13 B TYPE**

**PERSONAL SIZE CHECKS**

56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13							
													TR	0	4	3	0	0	2	9	0	0	TR															AC												
(AUXILIARY ON-US FIELD)													ROUTING TRANSIT FIELD										ACCOUNT NUMBER										CHECK NO. (TRAN CODE)																	

**BUSINESS SIZE CHECKS**

56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13							
											AC	TR	0	4	3	0	0	2	9	0	0	TR																AC												
CHECK NUMBER FIELD (AUXILIARY ON-US FIELD)												ROUTING TRANSIT FIELD										ACCOUNT NUMBER										TRAN CODE																		

**HORIZONTAL DEPOSIT TICKETS**

56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13							
													TR	0	4	0	0	DA	1	5	1	0	TR														AC													
(AUXILIARY ON-US FIELD)													ROUTING TRANSIT FIELD										ACCOUNT NUMBER										TRAN CODE																	

**VERTICAL DEPOSIT TICKETS**

56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13								
											AC	TR	0	4	0	0	DA	1	5	2	0	TR															AC														
(AUXILIARY ON-US FIELD)												ROUTING TRANSIT FIELD										ACCOUNT NUMBER										TRAN CODE																			

**Convenience Amount Scan Area Specifications on Reverse Side**

**THIS ORDER IS NOT VALID UNLESS SIGNED BY AN AUTHORIZED AGENT OF PNC BANK.**

PNC Employee Name	Signature	Date
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## Convenience Amount Scan Area

### Description.

An imaginary rectangle of fixed size and location with its long axis parallel to the aligning edge of the document within which the convenience amount rectangle will be located.

### Specifications.

**Size.** The scan area shall be 0.600 inch high and 2.250 inches wide.

**Location.** The lower edge of the scan area shall be 1.400 inches from the aligning edge. The upper edge shall be 2.000 inches from the aligning edge. The right edge shall be 0.250 inch from the leading edge. The left edge shall be 2.500 inches from the leading edge.

## Convenience Amount Rectangle

**Description.** A rectangular area for the convenience amount that is free from external interference to ensure quick and accurate visual determination of the value of the payment document.

### Specifications.

**Size.** The inside dimensions of the amount rectangle shall be between 0.200 inch and 0.300 inch high and between 0.800 inch and 2.150 inches wide.

**Location.** The amount rectangle shall be entirely within the scan area. It shall be located such that the 0.100 inch convenience amount clear area limits are maintained. Combined printing and cutting tolerances shall not exceed  $\pm 0.063$  inch.

The precise location and size of the amount rectangle will be determined by the form designer. The specification provides flexibility so machine printed checks can be aligned on a print line in the amount rectangle when checks are printed at either six lines per inch or eight lines per inch. Amount rectangles of varying length and horizontal placement can be used as best fit user needs.

**Design Variations.** The design of the amount rectangle shall be one of the following variations listed in order of preference.

(1) A rectangular area of appropriate color intensity surrounded by a basic background color. The difference in color shall be such that the print contrast signal (PCS) of the background and rectangular area does not exceed 0.30.

(2) A rectangular area with its outline printed in a color such that the PCS of the outline of the background does not exceed 0.30. The minimum stroke width for the outline shall be 0.008 inch.

(3) A rectangular area with its outline printed by screening techniques having a minimum screen of 120 lines per inch and a minimum stroke width of 0.020 inch. The PCS of the screened outline and the background shall not exceed 0.30.

(4) A rectangular area with its outline printed in a color such that the PCS of the outline and the background shall be greater than 0.60. The stroke width of the outline shall be 0.008 inch  $\pm$  0.002 inch. This alternative shall be used only in the event that a low PCS rectangle outline is not practical.

## Convenience Amount Clear Area

**Description.** An imaginary rectangle, inside the scan area, surrounding the convenience amount rectangle. No extraneous marks or printing of any kind shall appear within the clear area.

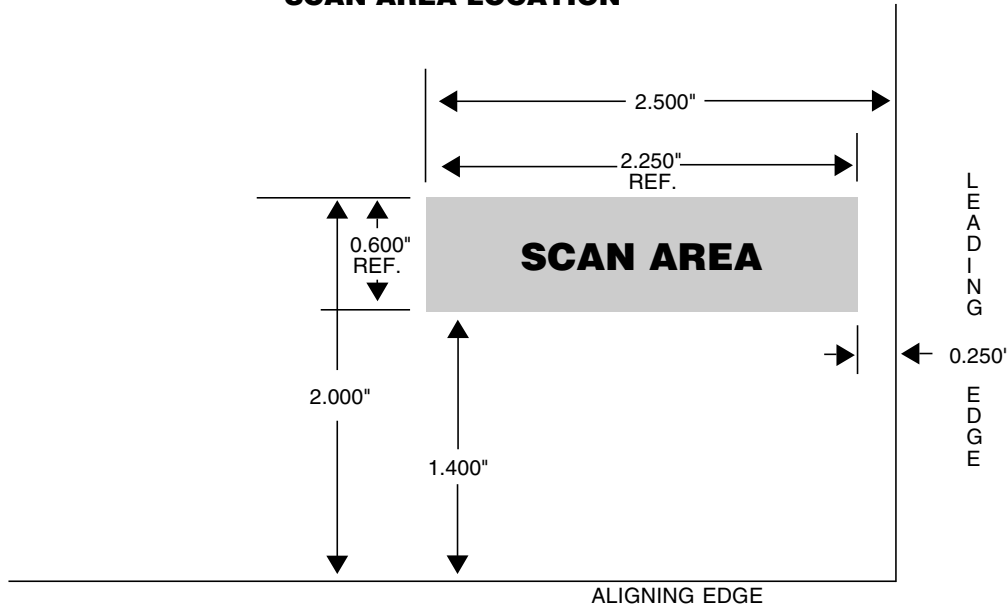
**Size.** On the left side of the amount rectangle, the clear area shall extend 0.100 inch to the left of the pre-printed dollar symbol if the document has a pre-printed dollar symbol or 0.100 inch to the left of the amount rectangle if the document is to have a machine print the dollar symbol and the amount simultaneously.

On the right side of the amount rectangle, the clear area shall extend to the right edge of the scan area. The area between the right edge of the scan area and the document leading edge shall be clear of all extraneous printing except the border.

On the upper side and lower side of the amount rectangle, the clear area shall extend 0.100 inch. This upper and lower clear area shall extend to both the left edge of the clear area and to the right edge of the clear area.

**Location.** The precise location of the clear area is determined by the form designer, restricted by the size specifications above, and the additional requirement that the top, bottom, and left edges of the clear area shall be within the scan area.

### SCAN AREA LOCATION



### CONVENIENCE AMOUNT RECTANGLE AND CLEAR AREA

