



Department of  
Taxation

# Scan Specifications for the 2010 Ohio IT 1040EZ

## Important Note

The following document (**2010 IT 1040 EZ**) contains grids for placement of information on this specific tax form. To accurately print, do not reduce the size, rotate or center this document. Doing so will jeopardize the integrity of the grid. When printing from Adobe Reader, please select "None" for "Page Scaling," which is under "Page Handling."

**Ohio Department of Taxation**  
4485 Northland Ridge Blvd.  
Columbus, OH 43229  
[tax.ohio.gov](http://tax.ohio.gov)



Department of  
Taxation

# Grid layout with notations

Please do not use staples.



Department of Taxation



10010110

Taxable year beginning in

2010

IT 1040EZ Rev. 9/10 Individual Income Tax Return for Full-Year Ohio Residents

Please use only black ink.

Taxpayer Social Security no. (required)

888 88 8888

If deceased

X

Spouse's Social Security no. (only if joint return)

If deceased

X

Use UPPERCASE letters. Your first name

JOHNXXXXXXXXXXXXX

Placement of the 1D bar code and tax year is critical. Make sure to follow the grid positions for layout. Do not forget to get your bar code(s) assignments for every form, version and page.

Spouse's first name (only if joint return)

JANXXXXXXXXXXXXX

M.I. (last name)

Q PUBLICXXXXXXXXXXXXX

Mailing address (for faster processing, please use a street address)

8888 CHERRY LANXXXXXXXXXXXXXXXXXXXXX

City

COLUMBUSXXXXXXXXXXXXX

State

OH

ZIP code

88888

County (first four letters)

FRAN

Home address (if different from mailing address)

8888 BERRY

This is where you place the 2D bar code. This text must be deleted when doing the 2D version. Please follow grid layout for location of your 2D barcode.

ZIP code

88888

County (first four letters)

PICK

Foreign country (please provide)

JAPANXXXXXXXXXX

Foreign postal code

8888888

Filing Status - Check one (as reported on your tax return)

X Single or head of household or qualifying widow(er)

X Married filing jointly

X Married filing separately (enter spouse's SS#) 888 88 8888

Please do not use staples, tape or glue. Place your W-2(s), check (payable to Ohio Treasurer of State) and Ohio form IT 40P on top of your return. Also place forms W-2G and 1099-R if tax was withheld. Place any other supporting documents or statements after the last page of your return.

Ohio Political Party Fund

Yes

No

Do you want \$1 to go to this fund? X X

If joint return, does your spouse want \$1 to go to this fund? X X

Note: Checking "Yes" will not increase your tax or decrease your refund.

Go paperless. It's FREE! Try I-File or Ohio eForms by visiting tax.ohio.gov.

Ohio School District Number for 2010

(see pages 42-46 of the instructions)

8888

Most electronic filers receive their refunds in 5-7 business days by direct deposit!

INCOME AND TAX INFORMATION

Table with 10 rows of income and tax information. Line 1: Federal adjusted gross income 888 888 888 00. Line 2: Enter the amount from the worksheet on page 17 of the instructions 888 888 888 00. Line 3: Ohio adjusted gross income (line 1 minus line 2) 888 888 888 00. Line 4: Personal exemption and dependent exemptions 88 times \$20 88 888 00. Line 5: Ohio taxable income (line 3 minus line 4) 888 888 888 00. Line 6: Tax on line 5 (see tax tables) 888 888 888 00. Line 7: If line 5 is \$10,000 or less, enter -0- if blank 88 00. Line 8: Ohio tax less exemptions (line 6 minus line 7) 888 888 888 00. Line 9: Exemption credit (line 4) 88 times \$20 888 00. Line 10: Ohio tax less exemptions (line 8 minus line 9; enter -0- if line 8 is less than line 9) 888 888 888 00.

Target marks or registration marks must measure .2" X .2". The three target marks or registration marks on every page must follow grid layout.

For static text use Arial font (black ink) and try to match size. For data entry fields (shown in red for identification purposes only), use Courier font (black ink). All the data entry fields must follow grid layout. When a field reflects a negative amount, make sure there is one space between the amount and the negative sign. Never hard code a negative sign.



Department of Taxation



Taxable year beginning in

2010

IT 1040EZ Rev. 9/10 Individual Income Tax Return for Full-Year Ohio Residents

SS# 888 88 8888

Table with 2 columns: Description and Amount. Rows include 10a. Amount from line 10 on page 1, 11. Joint filing credit, 12. Ohio income tax less joint filing credit, 13. Interest penalty on underpayment of income tax, 14. Unpaid Ohio use tax.

TOTAL TAX AND AMOUNT WITHHELD

Table with 2 columns: Description and Amount. Rows include 15. Total Ohio tax liability (TOTAL TAX) and 16. Ohio tax withheld (AMOUNT WITHHELD).

REFUND OR AMOUNT YOU OWE

If line 16 is MORE THAN line 15, go to line 17. If line 16 is LESS THAN line 15, skip to line 20.

Table with 2 columns: Description and Amount. Rows include 17. Amount overpaid, 18. Amount of line 17 that you wish to donate, 19. Line 17 minus the sum of lines 18a, b and c, 20. Amount due, 21. Interest and penalty due.

If you entered an amount on line 19, skip to line 23. If you entered an amount on line 20, go to line 22.

Table with 2 columns: Description and Amount. Rows include 22. Amount due plus interest and penalty (AMOUNT DUE PLUS INTEREST AND PENALTY) and 23. Refund less interest and penalty (YOUR REFUND).

If your refund is less than \$1.01, no refund will be issued. If you owe less than \$1.01, no payment is necessary.

SIGN HERE (required)

I have read this return. Under penalties of perjury, I declare that, to the best of my belief, the return and all enclosures are true, correct and complete.

Please follow grid layout for the information circled to the right.

For Department Use Only

Signature lines for taxpayer and spouse, and preparer's name and phone number.

Department use only section with a large red circle around it.

Do you authorize your preparer to contact us regarding this return? Yes No

NO Payment Enclosed - Mail to: Ohio Department of Taxation, P.O. Box 182294, Columbus, OH 43218-2294


Enclose your federal income tax return if line 1 on page 1 of this return is -0- or negative.

Payment Enclosed - Mail to: Ohio Department of Taxation, P.O. Box 182850, Columbus, OH 43218-2850



Department of  
Taxation

# Grid layout

**Please do not use staples.**  
  
**Please use only black ink.**



Taxable year beginning in  
**2010**

**IT 1040EZ** Rev. 9/10  
**Individual Income Tax  
 Return for Full-Year  
 Ohio Residents**

Taxpayer Social Security no. (required) **888 88 8888**  If deceased  
 Spouse's Social Security no. (only if joint return) **888 88 8888**  If deceased  
 check box check box

**Use UPPERCASE letters.**  
 Your first name **JOHNXXXXXXXXXXXXX** M.I. **Q** Last name **PUBLICXXXXXXXXXXXXXXXXX**

Spouse's first name (only if joint return) **JANXXXXXXXXXXXXX** M.I. **Q** Last name **PUBLICXXXXXXXXXXXXXXXXX**

Mailing address (for faster processing, please use a street address)  
**8888 CHERRY LANEXXXXXXXXXXXXXXXXXXX**  
 City **COLUMBUSXXXXXXXXXXXXX** State **OH** ZIP code **88888** County (first four letters) **FRAN**

Home address (if different from mailing address) – please do **NOT** show city or state  
**8888 BERRY AVEXXXXXXXXXXXXXX** ZIP code **88888** County (first four letters) **PICK**

Foreign country (please provide this information if your mailing address is outside the U.S.)  
**JAPANXXXXXXXXXXXXXXXXX** Foreign postal code **8888888**

**Filing Status – Check one** (as reported on federal income tax return)  
 Single or head of household or qualifying widow(er)  
 Married filing jointly  
 Married filing separately (enter spouse's SS#) **888 88 8888**

**Please do not use staples, tape or glue. Place your W-2(s),  
 check (payable to Ohio Treasurer of State) and Ohio form IT  
 40P on top of your return. Also place forms W-2G and 1099-R  
 if tax was withheld. Place any other supporting documents  
 or statements after the last page of your return.**

**Ohio Political Party Fund**  
 Do you want \$1 to go to this fund?  Yes  No  
 If joint return, does your spouse want \$1 to go to this fund?  Yes  No  
**Note:** Checking "Yes" will not increase your tax or decrease your refund.

**Go paperless. It's FREE!  
 Try I-File or Ohio eForms  
 by visiting tax.ohio.gov.**

**Ohio School District Number for 2010**  
 (see pages 42-46 of the instructions) **8888**

**Most electronic filers receive their refunds  
 in 5-7 business days by direct deposit!**

**INCOME AND TAX INFORMATION**

1. Federal adjusted gross income (from IRS form 1040, line 37; 1040A, line 21; or 1040EZ, line 4) .... 1.	888 888 888 00
2. Enter the amount from the worksheet on page 17 of the instructions..... 2.	888 888 888 00
3. Ohio adjusted gross income (line 1 minus line 2) ..... 3.	888 888 888 00
4. Personal exemption and dependent exemption deduction – multiply your personal and dependent exemptions <b>88</b> times \$1,600 and enter the result here..... 4.	88 888 00
5. Ohio taxable income (line 3 minus line 4; enter -0- if line 3 is less than line 4) ..... 5.	888 888 888 00
6. Tax on line 5 (see tax tables on pages 34-40 of the instructions)..... 6.	888 888 888 00
7. If line 5 is \$10,000 or less, enter a credit of \$93; otherwise, enter -0- or leave blank..... 7.	88 00
8. Ohio tax less line 7 credit (line 6 minus line 7; enter -0- if line 6 is less than line 7)..... 8.	888 888 888 00
9. Exemption credit: Number of personal and dependent exemptions <b>88</b> times \$20..... 9.	888 00
10. Ohio tax less exemption credit (line 8 minus line 9; enter -0- if line 8 is less than line 9)..... 10.	888 888 888 00



Taxable year beginning in

**2010**

**IT 1040EZ** Rev. 9/10  
**Individual Income Tax**  
**Return for Full-Year**  
**Ohio Residents**

10a. Amount from line 10 on page 1.....	10a.	888	888	888	00
11. Joint filing credit. See instructions on page 17 for eligibility and documentation requirements (this credit is for married filing jointly status only). 88 % times line 10a (limit \$650).....	11.			888	00
12. Ohio income tax less joint filing credit (line 10a minus line 11; enter -0- if line 11 is more than line 10a).....	12.	888	888	888	00
13. Interest penalty on underpayment of income tax. Enclose Ohio form IT/SD 2210 (see page 18 of the instructions).....	13.			888	888 00
14. Unpaid Ohio use tax (see the worksheet on page 32 of the instructions).....	14.			888	888 00

**TOTAL TAX AND AMOUNT WITHHELD**

15. Total Ohio tax liability (add lines 12, 13 and 14).....	<b>TOTAL TAX</b> ▶ 15.	888	888	888	00
16. Ohio tax withheld (box 17 on your W-2; box 14 on your W-2G; and box 10 on your 1099-R). Place W-2(s), W-2G(s) and 1099-R(s) on top of this return.....	<b>AMOUNT WITHHELD</b> ▶ 16.	888	888	888	00

**REFUND OR AMOUNT YOU OWE**

If line 16 is MORE THAN line 15, go to line 17. If line 16 is LESS THAN line 15, skip to line 20.

17. If line 16 is MORE THAN line 15, subtract line 15 from line 16.....	<b>AMOUNT OVERPAID</b> ▶ 17.	888	888	888	00
18. Amount of line 17 that you wish to <b>donate</b> to the following fund(s):					
a. Military injury relief	b. Wildlife species/endangered wildlife	c. Natural areas/endangered species			
88 888 00	88 888 00	88 888 00			
19. Line 17 minus the sum of lines 18a, b and c. Enter the amount here, then skip to line 21.....	19.	888	888	888	00
20. If line 16 is LESS THAN line 15, subtract line 16 from line 15.....	<b>AMOUNT DUE</b> ▶ 20.	888	888	888	00
21. Interest and penalty due on late-paid tax and/or late-filed return (see page 18 of the instructions).....	<b>INTEREST AND PENALTY</b> ▶ 21.	888	888	888	00

If you entered an amount on line 19, skip to line 23. If you entered an amount on line 20, go to line 22.

22. Amount due plus interest and penalty (add lines 20 and 21). If payment is enclosed, make check payable to Ohio Treasurer of State and include Ohio form IT 40P (see page 7 or 47 of the instructions).....	<b>AMOUNT DUE PLUS INTEREST AND PENALTY</b> ▶ 22.	888	888	888	00
23. Refund less interest and penalty (line 19 minus line 21). Enter the amount here. (If line 21 is more than line 19, you have an amount due. Subtract line 19 from line 21 and enter this amount on line 22.).....	<b>YOUR REFUND</b> ▶ 23.	888	888	888	00

If your refund is less than \$1.01, no refund will be issued. If you owe less than \$1.01, no payment is necessary.

**SIGN HERE (required)**

I have read this return. Under penalties of perjury, I declare that, to the best of my knowledge and belief, the return and all enclosures are true, correct and complete.

**For Department Use Only**

▶ Your signature \_\_\_\_\_ Date \_\_\_\_\_

▶ Spouse's signature (see page 10 of the instructions) \_\_\_\_\_ Phone number (optional) \_\_\_\_\_

Preparer's name (please print; see page 10 of the instructions) \_\_\_\_\_ Phone number \_\_\_\_\_

Do you authorize your preparer to contact us regarding this return?  Yes  No Code \_\_\_\_\_

**NO Payment Enclosed – Mail to:**  
 Ohio Department of Taxation  
 P.O. Box 182294  
 Columbus, OH 43218-2294

**Enclose your federal income tax return if line 1 on page 1 of this return is -0- or negative.**

**Payment Enclosed – Mail to:**  
 Ohio Department of Taxation  
 P.O. Box 182850  
 Columbus, OH 43218-2850



Department of  
Taxation

**Document without  
grid layout**





Taxable year beginning in

**2010**

**IT 1040EZ** Rev. 9/10  
**Individual Income Tax**  
**Return for Full-Year**  
**Ohio Residents**

10a. Amount from line 10 on page 1.....	10a.	888	888	888	00
11. Joint filing credit. See instructions on page 17 for eligibility and documentation requirements (this credit is for married filing jointly status only). 88 % times line 10a (limit \$650).....	11.			888	00
12. Ohio income tax less joint filing credit (line 10a minus line 11; enter -0- if line 11 is more than line 10a).....	12.	888	888	888	00
13. Interest penalty on underpayment of income tax. Enclose Ohio form IT/SD 2210 (see page 18 of the instructions).....	13.			888	00
14. Unpaid Ohio use tax (see the worksheet on page 32 of the instructions).....	14.			888	00

**TOTAL TAX AND AMOUNT WITHHELD**

15. Total Ohio tax liability (add lines 12, 13 and 14).....	<b>TOTAL TAX</b> ▶ 15.	888	888	888	00
16. Ohio tax withheld (box 17 on your W-2; box 14 on your W-2G; and box 10 on your 1099-R). Place W-2(s), W-2G(s) and 1099-R(s) on top of this return.....	<b>AMOUNT WITHHELD</b> ▶ 16.	888	888	888	00

**REFUND OR AMOUNT YOU OWE**

If line 16 is MORE THAN line 15, go to line 17. If line 16 is LESS THAN line 15, skip to line 20.

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19. Line 17 minus the sum of lines 18a, b and c. Enter the amount here, then skip to line 21.....	19.	888	888	888	00
20. If line 16 is LESS THAN line 15, subtract line 16 from line 15.....	<b>AMOUNT DUE</b> ▶ 20.	888	888	888	00
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If you entered an amount on line 19, skip to line 23. If you entered an amount on line 20, go to line 22.

22. Amount due plus interest and penalty (add lines 20 and 21). If payment is enclosed, make check payable to Ohio Treasurer of State and include Ohio form IT 40P (see page 7 or 47 of the instructions).....	<b>AMOUNT DUE PLUS INTEREST AND PENALTY</b> ▶ 22.	888	888	888	00
23. Refund less interest and penalty (line 19 minus line 21). Enter the amount here. (If line 21 is more than line 19, you have an amount due. Subtract line 19 from line 21 and enter this amount on line 22.).....	<b>YOUR REFUND</b> ▶ 23.	888	888	888	00

If your refund is less than \$1.01, no refund will be issued. If you owe less than \$1.01, no payment is necessary.

**SIGN HERE (required)**

I have read this return. Under penalties of perjury, I declare that, to the best of my knowledge and belief, the return and all enclosures are true, correct and complete.

▶ \_\_\_\_\_ Date  
 Your signature

▶ \_\_\_\_\_ Phone number (optional)  
 Spouse's signature (see page 10 of the instructions)

\_\_\_\_\_  
 Preparer's name (please print; see page 10 of the instructions) Phone number

**For Department Use Only**

-----

\_\_\_\_\_  
 Code

Do you authorize your preparer to contact us regarding this return?  Yes  No

**NO Payment Enclosed – Mail to:**  
 Ohio Department of Taxation  
 P.O. Box 182294  
 Columbus, OH 43218-2294

**Enclose your federal income tax return if line 1 on page 1 of this return is -0- or negative.**

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 Ohio Department of Taxation  
 P.O. Box 182850  
 Columbus, OH 43218-2850



Department of  
Taxation

**Blank  
document**





Department of Taxation



Taxable year beginning in

2010

IT 1040EZ Rev. 9/10 Individual Income Tax Return for Full-Year Ohio Residents

- 10a. Amount from line 10 on page 1
11. Joint filing credit. See instructions on page 17 for eligibility and documentation requirements
12. Ohio income tax less joint filing credit (line 10a minus line 11; enter -0- if line 11 is more than line 10a)
13. Interest penalty on underpayment of income tax. Enclose Ohio form IT/SD 2210 (see page 18 of the instructions)
14. Unpaid Ohio use tax (see the worksheet on page 32 of the instructions)

TOTAL TAX AND AMOUNT WITHHELD

- 15. Total Ohio tax liability (add lines 12, 13 and 14) TOTAL TAX
16. Ohio tax withheld (box 17 on your W-2; box 14 on your W-2G; and box 10 on your 1099-R). Place W-2(s), W-2G(s) and 1099-R(s) on top of this return AMOUNT WITHHELD

REFUND OR AMOUNT YOU OWE

If line 16 is MORE THAN line 15, go to line 17. If line 16 is LESS THAN line 15, skip to line 20.

- 17. If line 16 is MORE THAN line 15, subtract line 15 from line 16 AMOUNT OVERPAID

- 18. Amount of line 17 that you wish to donate to the following fund(s):
a. Military injury relief b. Wildlife species/endangered wildlife c. Natural areas/endangered species

- 19. Line 17 minus the sum of lines 18a, b and c. Enter the amount here, then skip to line 21

- 20. If line 16 is LESS THAN line 15, subtract line 16 from line 15 AMOUNT DUE

- 21. Interest and penalty due on late-paid tax and/or late-filed return (see page 18 of the instructions) INTEREST AND PENALTY

If you entered an amount on line 19, skip to line 23. If you entered an amount on line 20, go to line 22.

- 22. Amount due plus interest and penalty (add lines 20 and 21). If payment is enclosed, make check payable to Ohio Treasurer of State and include Ohio form IT 40P (see page 7 or 47 of the instructions) AMOUNT DUE PLUS INTEREST AND PENALTY

- 23. Refund less interest and penalty (line 19 minus line 21). Enter the amount here. (If line 21 is more than line 19, you have an amount due. Subtract line 19 from line 21 and enter this amount on line 22.) YOUR REFUND

If your refund is less than \$1.01, no refund will be issued. If you owe less than \$1.01, no payment is necessary.

SIGN HERE (required)

I have read this return. Under penalties of perjury, I declare that, to the best of my knowledge and belief, the return and all enclosures are true, correct and complete.

Your signature Date

Spouse's signature (see page 10 of the instructions) Phone number (optional)

Preparer's name (please print; see page 10 of the instructions) Phone number

Do you authorize your preparer to contact us regarding this return? Yes No

NO Payment Enclosed - Mail to: Ohio Department of Taxation P.O. Box 182294 Columbus, OH 43218-2294

Enclose your federal income tax return if line 1 on page 1 of this return is -0- or negative.

For Department Use Only

Code

Payment Enclosed - Mail to: Ohio Department of Taxation P.O. Box 182850 Columbus, OH 43218-2850



Department of  
Taxation

**General information  
regarding this form**

# General Information (2010 IT 1040EZ):

## 1) Dimensions:

Target or Registration Marks - .2" X .2". Follow grid layout for positioning.

1D barcode (2 of 5 interleaved) - .375"H x 1.5"W. Follow grid layout for positioning. The number for the barcode should be placed under the barcode and centered.

2D barcode - See 2D information and instructions. Follow grid layout for positioning.

**2) 1D barcode** - The last two numbers of the 1D barcode represent the vendor/version number for this form. Please use the same last two numbers as you did for last year's return. You will have a different vendor/version number for returns that are "OCR scanned" versus "2D scanned." If you have a question about your barcode assignment, please e-mail Theresa Goeller at [theresa\\_goeller@tax.state.oh.us](mailto:theresa_goeller@tax.state.oh.us). The first six numbers are constant for this form (100101XX - 100102XX).

10 = tax year

01 = IT 1040EZ

01 - 02 = page number

XX = vendor/version number (assigned to you by the Ohio Dept. of Taxation, Forms Printing Division).

**3) Use Arial font** for text that is a static portion of the form.

**4) Use Courier font** for the data entry portion of the form. This would be taxpayer's information and data.

**5) Make sure you follow the grid layout** for the data entry portions (shown in red). Also make sure that the tax year, target or registration marks, "For Department Use Only" area and the 1D and 2D barcodes follow grid layout.

**6) Do not use commas, hyphens or decimals** in the data entry fields. Use a space where a comma, hyphen or decimal would appear.

**7) When a data entry field reflects a negative amount**, make sure there is one space between the negative sign and the amount (for example: - 888 888 888 00). The possible negative fields for this return are lines 1 and 3. Do not hard code negative signs.

**8) Make sure that you explain to your customers within your product:** **"Please do not enclose any worksheets or other documentation unless it is specified on the tax return or instructions."** For example, taxpayers are sending in worksheets from your software packages. This only slows the processing of their tax return.

**9) IMPORTANT NOTE (For those developers producing 2D barcodes):** Please add this statement to your software programs. It should print out with the taxpayer's return. **"Do not hand write in any corrections on the printed paper return. Hand writing in corrections will result in capturing incorrect data and delaying the processing of this income tax return. Please make any corrections to this income tax return within [the software program name], then print and mail."**

**10) We strongly encourage you to produce the 2D barcode version.** This will not only assist our department in processing of tax returns, but also benefits the taxpayers of the state of Ohio. Thank you in advance for making every effort to develop the 2D version.

**11) For review and approval of your return**, please submit one sample with every field filled in with the maximum amount of characters per field, one blank sample and all test scenarios.

**NOTE:** Approval turn-around will be approximately ten (10) business days from date the department receives test scenarios through Jan. 31, 2011. After Jan. 31, 2011 the department cannot guarantee turn-around time for approval status.



Department of  
Taxation

# **2D information and instructions**

# Ohio 2010 Scan and 2D Barcode Instructions

## General

- Forms need to be enabled for 2D Barcode decoding
  1. If a form is enabled for 2D Barcode the software **should not allow** users/practitioners the option to turn off/on the 2D Barcode function
- The minimum error correction code level should be 4

## 2D Barcode size and placement on the Form

- 2D Barcode must be placed on the first page of form in the rectangular area [see grid layout]
- 2D Barcode should not be bigger than the allocated area
- The maximum size of the 2D Barcode: 3 ½ inches wide by 2 inches height & must follow the grid layout provided in this document

## 2D Barcode Layout

- Each field in the Barcode is delimited by a single carriage return
  1. <CR> equals single carriage return character
    - 1.1 This separates each piece of data so it may be efficiently processed.
  - Data included in the 2D Barcode varies per form and can be broken down into three general sections
    1. Header
      - 1.1 **Header Version Number**
        - 1.1.1 Static for all Barcodes, value is T1
      - 1.2 **Developer Code**
        - 1.2.1 A four-digit vendor code identifying the software developer whose application produced the Barcode
      - 1.3 **Jurisdiction**
        - 1.3.1 Static for all Barcodes, value is OH
      - 1.4 **Description**
        - 1.4.1 A four-digit form identifier, specific to each form
      - 1.5. **Spec Version**
        - 1.5.1 A one-digit specification version control number starting with the number zero (0)
          - 1.5.1.1 This number identifies the version of the specifications used to produce the form Barcode
      - 1.6 **Form Version**
        - 1.6.1 A one-digit form version control number starting with the number one (1)
          - 1.6.1.1 This number will only be incremented when there are changes made that would affect the content of the Barcode
    2. Form Specific Data – [please see encoding schemas for form specific data]
      - 2.1 Fields that are captured from each form
      - 2.2 All fields on form will be required and must be included in 2D Barcode
        - 2.2.1 Fields must be included into 2D Barcode if present
        - 2.2.2 Fields values not present in 2D Barcode will be empty
          - 2.2.2.1 Will result in two adjacent carriage returns
    3. Trailer
      - 3.1 The last field in the Barcode data stream is the trailer
        - 3.1.1 The trailer is used to indicate the end of data has been reached
          - 3.1.1.1 A static string of "\*EOD\*" is used as the trailer value

### Examples of 2D Barcode data streams

Header Version Number	T1<CR>
Developer Code	1111<CR>
Jurisdiction	OH<CR>
Description	1111<CR>
Spec Version	0<CR>
Form Version	1<CR>
Line Item Specific Data	IN<CR>
Line Item Specific Data	IT40<CR>
Line Item Specific Data	0<CR>
Trailer	*EOD* <CR>

### Testing and Approval Procedures

- As a general guideline, current software testing and forms approval time frame and quality assurance practices would be followed in the implementation of 2D barcoding
  1. **Testing Processes**
    - 1.1 See PATS documentation for testing scenarios coming by [date to be determined]
  2. **Number of test scenarios**
    - 2.1 Forms to be submitted for approval include:
      - 2.1.1 One (1) set of blank forms
      - 2.1.2 Ten (10) test scenarios per form
        - 2.1.2.1 Test scenarios will be provided by ODT
      - 2.1.3 One (1) set of full field test scenario
  3. **Approval Procedures**
    - 3.1 Approval will be given in two (2) areas
      - 3.1.1 Printed form matches template
      - 3.1.2 2D Barcode is valid
        - 3.1.2.1 All test scenarios can be decoded properly
        - 3.1.2.2. All test scenarios submitted are correct
        - 3.1.2.3. 2D Barcode data must match printed form
    - 3.2 Approval will be given for each form type listed
      - 3.2.1 2010 IT 1040
      - 3.2.2 2010 IT 1040EZ
      - 3.2.3 2010 SD 100
    - 3.3 Approval time line
      - 3.3.1 Approval turnaround will be approximately ten (10) business days from date ODT receives test scenarios through January 31, 2011
        - 3.3.1.1 After above date ODT cannot guarantee turnaround time for approval status
        - 3.3.1.2 Forms will be tested, reviewed and approved on a first come, first serve basis
      - 3.3.2 Feedback will be given if test scenarios do not receive approval
        - 3.3.2.1 Corrected test scenarios must be resubmitted for approval
        - 3.3.2.2 ODT cannot guarantee turnaround time for re-approval status
      - 3.3.3 Approval notification will be given once test scenarios meet all specifications and are fully tested
      - 3.3.4 Vendor may submit tests beginning [date to be determined]
        - 3.3.4.1 If tax forms change before January 1, 2011 vendors will be notified and required to re-submit test scenarios

2010  
IT 1040EZ 2D BARCODE SCHEMA

Line Item Number	Field name	Max chars	Field Format
N/A	header_version_number	2	Always <b>T1</b>
N/A	developer_code	4	Vendor's NATCP Code
N/A	jurisdiction	2	Always <b>OH</b>
N/A	description	4	form code: <b>1001</b>
N/A	spec version	1	At this time <b>0</b>
N/A	form version	1	At this time <b>1</b>
N/A	taxpayer_ssn	9	Numeric
N/A	taxpayer_deceased	1	If true place "X" in box, otherwise leave empty
N/A	spouse_ssn	9	Numeric
N/A	spouse_deceased	1	If true place "X" in box, otherwise leave empty
N/A	year	4	2010
N/A	taxpayer_firstname	15	Alpha
N/A	taxpayer_middle_initial	1	Alpha
N/A	taxpayer_lastname	20	Alpha
N/A	spouse_firstname	15	Alpha
N/A	spouse_middle_initial	1	Alpha
N/A	spouse_lastname	20	Alpha
N/A	taxpayer_address	35	Alpha-Numeric
N/A	taxpayer_city	20	Alpha
N/A	taxpayer_state	2	Alpha
N/A	taxpayer_zip	5	Numeric
N/A	taxpayer_county	4	Alpha First 4 characters of county name Uppercase
N/A	foreign_country	20	Alpha First 20 characters of foreign country Uppercase
N/A	foreign_postalcode	7	Alpha-Numeric
N/A	filing_status	1	Numeric Single=1, Jointly=2, or Separately=3
N/A	taxpayer_fund_contribution	1	Alpha Y or N Uppercase

2010  
IT 1040EZ 2D BARCODE SCHEMA

Line Item Number	Field name	Max chars	Field Format
N/A	spouse_fund_contribution	1	Alpha Y or N Uppercase
N/A	school_district_number	4	Numeric Must be valid School District (see tax instructions booklet for a complete list)
N/A	negative_indicator_for_line_1_amount	1	Numeric 1 for negative 0 for non-negative
1	federal_adjusted_gross_income	9	Numeric Send Dollars Only If negative amount use negative indicator field. <b>DO NOT PUT NEGATIVE SIGN IN THIS FIELD</b>
2	worksheet_amount_page_17	9	Numeric Send Dollars Only
3	Ohio_adjusted_gross_income	9	Numeric. Send Dollars Only
4	personal_dependent_exemptions	5	Numeric. Send Dollars Only
5	Ohio_taxable_income	9	Numeric Send Dollars Only
6	tax_on_line_5	9	Numeric Send Dollars Only
7	credit_line	3	Numeric Send Dollars Only
8	Ohio_tax_less_line_7	9	Numeric Send Dollars Only
9	exemption_credit	3	Numeric Send Dollars Only
10	Ohio_tax_less_exemption_credit	9	Numeric Send Dollars Only
10a	line_10_amunt	9	Numeric Send Dollars Only
11	joint_filing_credit	3	Numeric Send Dollars Only

2010  
IT 1040EZ 2D BARCODE SCHEMA

Line Item Number	Field name	Max chars	Field Format
12	Ohio_income_tax	9	Numeric Send Dollars Only
13	interest_penalty_or_underpayment_of_income_tax	6	Numeric Send Dollars Only
14	unpaid_Ohio_use_tax	6	Numeric Send Dollars Only
15	total_Ohio_tax_liability	9	Numeric Send Dollars Only
16	Ohio_tax_withheld	9	Numeric Send Dollars Only
17	amount_overpaid	9	Numeric Send Dollars Only
18a	military_injury_relief_donation	5	Numeric Send Dollars Only
18b	wildlife_species/endangered_wildlife_donation	5	Numeric Send Dollars Only
18c	natural_areas/endangered_species_donation	5	Numeric Send Dollars Only
19	line_17_minus_line_18a,b,c	9	Numeric Send Dollars Only
20	amount_due	9	Numeric Send Dollars Only
21	interest_and_penalty_on_late_paid/late_filed_ret	9	Numeric Send Dollars Only
22	amount_due_plus_interest_and_penalty	9	Numeric Send Dollars Only
23	refund	9	Numeric Send Dollars Only
N/A	trailer	5	Always *EOD*
Total Bytes/Characters		410	

- General Fields
- Demographic Fields
- Line Item Fields