2015
Handbook for Reproduction of Department of Revenue Forms

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Section 1

Reproduction of Department of Revenue Forms

This publication outlines the procedures for submitting substitute forms for approval. In addition, it sets out the Department of Revenue's (Department) requirements for acceptable reproduced copies of tax returns and supporting schedules for filing. Also, it discusses which forms may be reproduced by computerized tax processors, commercial printers and others who wish to provide facsimile copies of official Department forms, and how they may reproduce them.

1.1 — General Rules

Subject to the conditions and specifications set out in the following sections, the Department will accept reproduced copies of Department tax forms for filing. In general, practitioners (which includes taxpayers and anyone designing and printing a return or related schedule for filing with the Department) may reproduce most Department forms, as long as they meet the requirements in Sections 2 and 3 of the publication.

Section 2 sets out general specifications and conditions for reproducing forms. Reproduction forms are facsimiles of the Department's official forms that are produced by photo-offset, photoengraving, photocopying or other reproduction process. Practitioners need not obtain prior approval from the Department before using facsimile reproductions that meet the format specifications of Section 2.

Section 3 details the additional requirements that a practitioner must meet in creating and submitting a computer-generated reproduction for approval. Any firm creating computer-generated forms must obtain prior approval, as outlined in Section 3.

Section 4 of this publication explains the limitations on reproducing forms that the Department has designed to be readable by optical character recognition (OCR) equipment. The Department will issue specifications for forms that are OCR-readable. The Department will not accept reproductions of these forms unless they are OCR-readable.

Separate handbooks, Personal Income Tax Software Developers Guide and Corporate Excise Tax Software Developers Guide, explain the limitations on reproducing forms that the Department has designed to be scannable by imaging equipment. The Department will issue specifications for forms that are scannable and 2-D barcode enabled. See software developers guide for more information. The Department will not accept reproductions of these forms unless they are scannable.

1.2 — Definitions of Substitute, Scannable and Reproduced Tax Forms

Substitute Tax Form:

A form, other than the official Massachusetts Department of Revenue form, that is:

- computer produced;
- computer programmed; or
- commercially typeset and printed.

Scannable Tax Form:

A substitute tax form containing fixed position OCR-B, 1D barcode or 2D barcode data areas and is processed by high speed scanning equipment.

- Form 1
- Form 1-NR/PY and Schedule NTS-L-NR/PY
- Schedule B
- Schedule C
- Schedule CB
- Schedule D
- Schedule DI
- Schedule E
- Schedule HC
- Schedule H-2
- Schedules X/Y
- Schedule Z/RF

- Form 355 (includes Schedules A, B, C, CD, D, E-1, E)
- Form 355S (includes Schedules A, B, C, CD, D, E-1, E)
- Schedule F
- Schedule H
- Schedule S
- Schedule SK-1
- Schedule RC
- Schedule RNW
- Form 2
- Form 2G
- Schedule B/R
- Form 3
- Schedule 3K-1

Optical Character Recognition OCR-A Readable Tax Forms:

A substitute tax form containing OCR-A data and is processed by specialized lockbox or remittance processing equipment. The following is a list of OCR-A tax forms:

- Forms 1-ES
- Form 2-ES
- Form 355-ES
- Form M-941
- Form RO-2
- Form ST-MAB-4
- Form STS
- Form ST-9
- Form PV
- Form M-4868
- Form 180
- Form 2-PV
- Form 355-PV

Reproduced Tax Form:

Reproduction tax forms are facsimiles of the Department's official forms that are produced by photo-offset, photoengraving, photocopying or other reproduction processes.

1.3 — Who Should Get Forms Reviewed Prior to the Development and Distribution of Substitute and Reproduced Tax Forms?

Substitute Forms

Any company that develops and uses substitute Massachusetts Department of Revenue forms **must** get approval from the Department.

The company must submit the **original** draft form for review if it develops:

- substitute tax forms using its own tax software programs;
- tax software programs to be used with substitute tax forms developed by another company; or

• substitute tax forms for other companies to use with their tax software programs.

The company must have forms reviewed **each year prior** to releasing or distributing substitute tax forms. All paper copies and/or parts of a software product should be reviewed by the Department prior to distribution to customers or clients.

1.4 — Examples of Customers or Clients Who Should Verify DOR Approval By Asking for a Copy of Your DOR Approval Letter Are:

• tax practitioners who purchase software that produces substitute tax forms;

• tax practitioners who use batch processing service bureaus that produce substitute tax forms;

• tax practitioners who purchase substitute tax forms from commercial printer or business forms companies; and

• software providers who sell the products of tax software developers who design substitute tax forms.

If you are a customer or client using the forms, software, services or products referred to above, verify the Department's approval to use the substitute tax forms by asking the company for a copy of its Department approval letter.

1.5 — The Forms Approval Process

Prepare your substitute tax forms in accordance with these guidelines.

Submit your substitute tax forms to the Department for review before you distribute or release them to customers or clients.

Substitute tax forms must be approved in advance by the Department. When you submit your forms for approval, you must provide the following:

• a list of the forms and schedules submitted;

• the name, address, telephone number and fax number of the liaison from your company to be contacted regarding forms approval and any other forms related issues; and

• the brand or product name(s) your forms will be distributed under.

If you have any questions regarding Massachusetts tax forms or publications, please contact Patrick Ford by email at fordp@dor.state.ma.us or by phone at 617-626-2811.

Note: Due to the large volume of mail that the Department receives and processes through the PO Box address, it is recommended that you use the courier, freight or UPS mailing address for your forms packages. Doing so will help to ensure your forms packages are delivered to the Publishing Services Office on the date they are received at the Department.

Forms will be reviewed and approved in the exact order they are received by the Department. The Department only approves the appearance of the printed substitute form; the Department does not review or approve the logic of the specific software programs, nor confirm calculations entered on forms submitted for approval. The Department does not approve the specific equipment or process used in producing substitute tax forms, but requires that the substitute forms meet the Department's requirements.

Failure to follow guidelines

The Department reserves the right to reject any form or schedule that does not comply with the guidelines in these specifications. Rejections of the returns for failure to meet these rules may subject taxpayers to late penalties and/or interest charges, under Massachusetts General Laws, Chapter 62C, sections 32 and 33.

1.6 — What the Department Will Do Once It Receives the Forms

Within two weeks (10 working days) of receiving your draft forms, the Department will:

• review your forms;

• call and discuss the results of the review including necessary corrections; and

• mail a letter of review indicating forms that have been accepted as well as forms that need revising and/or correcting.

1.7 — What the Company Should Do for Its Customers and Clients

Notify your customers or clients of the minimum computer hardware required for use with your software to produce your company's Department approved substitute tax forms. The hardware includes:

• printers

• printer fonts

• font cartridges, etc.

Provide your customers or clients with the instructions for clearly producing the Department approved substitute tax forms. These instructions must include information on the hardware requirements, including printing requirements and how to enter taxpayer entity information. Upon request provide your customers or clients with a copy of the Department approval letters.

Upon request from the Department, substantiate notices of correction in your software sent to your customers or clients.

1.8 — What Are the Consequences of Not Following the Guidelines for the Development and Use of Substitute Tax Forms?

If you release forms that fail to follow the guidelines indicated, the Department:

• will require you to send proof, e.g., revised forms, excerpts from revised user's manuals, release letters for new versions of software, etc., that you have corrected the errors and notified your customers or clients of the corrections; and

• will publicize such a violation even if you subsequently correct the errors on your tax forms and may notify taxpayers if you fail to correct the problem, that their refunds may be delayed because your tax forms were not approved by the Department. The Department will work with you to correct the errors in your tax forms.

Section 2

Specifications and Conditions for Reproduction Forms

Note: See the Personal Income Tax Software Developers Guide and the Corporate Excise Tax Software Developers Guide for specifications of scannable tax forms. See page 3 for a list of scannable tax forms.

1. Reproductions must be in black ink on white paper of substantially the same weight and texture as, and of quality equal to or better than, that used for the official forms (20 lb. bond or 60 lb. offset). Practitioners may, but need not, duplicate the paper and ink color of the official forms.

2. Reproductions must have a high standard of legibility, both as to the reproduction form and as to filled-in data.

3. The size of the reproduction, as to the overall dimensions of the paper, margins and the image reproduced, should be as close as possible to that of the official form.

4. Reproductions of each schedule must be on a separate page unless they appear on the same page on the original form and practitioners must attach them to the return in the sequence prescribed in the instructions. Exceptions to this rule must have specific Department approval. See item 7.

5. The Department prefers that practitioners use both sides of the paper in making reproductions, resulting in the same page arrangement as that of the official form. The Department will not reject the form, however, if a practitioner uses only one side of the paper.

6. Practitioners may reproduce returns and related schedules after insertion of the tax computations and other required information.

7. Practitioners may use reproductions of returns and schedules meeting the above conditions without the Department's prior approval. Practitioners must obtain specific approval from the Department for reproductions that deviate from the official forms in ways other than what the conditions and specifications set out above allow. A practitioner must submit for approval a proposed reproduction that so deviates to:

Send courier, freight or UPS deliveries to: **Department of Revenue, Attn: Patrick Ford, Publishing Services, 8th Floor, 100 Cambridge Street, Boston, MA 02114-9554.**

8. Practitioners may not file reproductions of official forms (or non-standard forms) that do not conform to the preceding requirements in lieu of the official forms. Practitioners may, however, file non-conforming reproductions as supporting statements to provide detail and to explain entries made on the official forms. The supporting statements must furnish all required information in the same sequence as called for on the official forms. Supporting statements must conform to the size of the schedule to which they relate. Practitioners must enter the totals from these supporting statements on the appropriate official forms.

Section 3

Specifications and Conditions for Computer-Generated Forms

Note: See the Personal Income Tax Software Developers Guide and the Corporate Excise Tax Software Developers Guide for specifications of scannable tax forms. See page 3 for a list of scannable tax forms.

1. Dot matrix forms must be highly legible. Practitioners must print forms on a high-quality printer using a fresh ribbon that produces a clear, dark, easy-to-read image. Printers should be set to the highest quality setting available, e.g., "letter-quality mode," not "draft mode." The Department requires that practitioners use 24-pin dot matrix printers set to a minimum of 300 dots per inch or printers capable of producing a product of equivalent quality.

2. The weight, size (with any pin feeds removed), margins and other characteristics of a computer-prepared form must meet the requirements set out in the preceding section and the format must follow the format of the official form. The Department will permit minor format modifications, e.g., changing the dimensions of the check boxes for filing status, to make the form suitable for computer preparation. If a practitioner omits the vertical rule in the money column, the practitioner must instead use a decimal point. If a practitioner chooses to omit the vertical lines from the area reserved for a taxpayer's Social Security number, they must instead include dashes between number groups.

3. Some line numbers on the Department's forms are circled or have an arrow before them to aid Department personnel in keying the data. Reproductions of these forms must also show a circle or arrow around such a line number. If a circle or arrow is not possible, the practitioner may use a box or brackets around the line number or a bullet before the line number to differentiate it from other line numbers.

4. Internal control numbers and symbols used by the computer preparer to identify the taxpayer and/or practitioner may appear on the computer-generated form, if the practitioner so chooses. If shown, this information may not appear in the upper right margin.

5. Practitioners must strip off any pin feeds before filing computer-generated forms with the Department.

6. Practitioners may submit computer-generated substitute schedules on good quality, standard stock machine stationery, subject to the following conditions:

a. The format of each substitute schedule must follow the format of the official schedule as to margins, item captions and line references (even if no entry is made for a particular line).

b. Practitioners may limit descriptions for captions and lines required by the official schedule to one print line on the substitute schedule by using abbreviations and contractions and by omitting articles and prepositions. The substitute schedule must retain sufficient key words, however, to permit ready identification of the caption, line or item.

c. Practitioners may include explanatory details for entries shown on the substitute schedule or may submit them in the form of a supporting statement at the option of the preparer. If a practitioner does submit a supporting statement, the practitioner must reference it to the schedule entry that it supports. The practitioner must, in turn, cross-reference the substitute schedule to the supporting statements.

d. Certain forms must bear the following statement, "Privacy Act Notice available upon request." This statement should appear where indicated on the official Department forms. The Privacy Act Notice (PAN) must be made available to the software user by the software developer. For purposes of the PAN, software users will include individuals who have their tax forms prepared by paid preparers, tax practitioners, enrolled agents, and others who prepare tax returns other than their own personal tax return. The PAN may be made available on-screen during use of the software program or it may be made available as a separate printed hard-copy document. When submitting forms for approval you must indicate how you will make the PAN available to software users. Failure to include the PAN language on the form and/or failure to indicate the method in which the PAN will be made available to software users will be cause to reject the substitute form for failure to meet the Department's substitute forms approval guidelines.

e. Practitioners may omit from a substitute schedule text prescribed for the official form that is solely instructional in nature (for example, "attach to and check type of return filed").

f. Practitioners must clearly identify substitute schedules by title and provide the filer's name and identification number in the substitute schedule heading. The substitute schedule must assign each data entry line a line number corresponding to the line number given to the line on the official form. The titles and monetary entries for each data entry line must be clearly recognizable.

g. Practitioners may combine substitute schedules on one page as long as they clearly identify each substitute schedule.

h. Practitioners may use copies of the supporting schedules from federal returns, instead of separate, detailed substitute schedules for the Massachusetts return, only as otherwise required or permitted.

Section 4

Specifications and Conditions for Optical Character Recognition (OCR)-Readable Forms

1. To deposit collections and process information more efficiently the Department has established a system by which certain tax payment vouchers may be read by OCR equipment. The Department of Revenue will not accept reproductions of Forms 1-ES, 180, 2-ES, 355-ES, M-941, RO-2, ST-MAB-4, STS, ST-9, PV and M-4868 unless (1) they are readable by the Department's OCR equipment; (2) they meet the design specifications set out in section 3; and (3) the Department has approved the reproduction before the practitioner uses it. Use of non-OCR-readable facsimiles of these forms would seriously compromise this system. As a result, practitioners must use either the Department-prepared originals or, with prior Department approval OCR-readable facsimiles of the above mentioned forms.

2. The weight, size, margins and other characteristics of an OCR-readable reproduced form must meet the requirements set out in section 2. The format and the OCR scanline must duplicate that of the official form. OCR-readable reproductions must use the "A font" complete numeric set.

3. Some of the official OCR-readable forms require entry of information on both the front and back of the form. Reproductions of these forms must also use both the front and back of the paper; separate pages reproducing the front and back of the official forms stapled or otherwise attached to each other are unacceptable.

4. Practitioners must submit any OCR-readable reproductions to the Department for approval before using them. Practitioners must forward 10 test samples (be sure to include an e-mail address with your submission), trimmed to size (1-ES and 2-ES, 7″ × 3 11/16″; all other items 8½″ × 4½″), of proposed OCR-readable reproduced forms to: **Bank of America, Coma Lockbox MA5-527-01-24; Attn. Amoryll Cooper, 2 Morrissey Blvd., Dorchester, MA 02125-3312.**

Note: See Section 4.4 for OCR specifications and mailing information for Form PV, Form M-4868, Form 2-PV, 355PVs and 355-7004.

5. Upon approval of OCR-readable reproductions, practitioners must print their identification number in the address area above the scan line box or in the upper left corner of each coupon.

4.1 — OCR Specifications

OCR processing allows the Department to deposit collections and process information more efficiently. Practitioners must use either the Department prepared originals or, with prior Department approval, OCR-readable facsimiles of Forms 1-ES, 2-ES, 180, 355-ES, M-941, RO-2, ST-MAB-4, STS, ST-9, PV and M-4868.

All OCR-readable facsimiles for **Forms 1-ES** and **2-ES** must use **OCR A font-size 1, complete numeric set.** See Section 4.2 for the OCR scanline specifications for those items. The size, paper quality and layout of the form must be the same as the Department issued forms. The last digit in the scan line must be 3 15/16″ from the right edge of the form. In addition, the baseline of the scan line must be 1″ from the bottom of the form.

See Section 4.3 for the OCR scanline specifications for Forms 355-ES, 180, M-941, RO-2, ST-MAB-4, STS and ST-9.

Note: Information on the scanline must match information of form to pass testing.

4.2 — OCR Scanlines for Forms 1-ES and 2-ES

Income (Form 1-ES)

Positions 1–9 = taxpayer's Identification number

Positions 10–12 = first three (3) positions of taxpayer's last name. **Note:** If taxpayer's last name is "YA," DOR provides "YA" + 1 space.

Positions 13–14 = first two (2) positions of street address. **Note:** DOR provides "PO" for PO BOX or "P" for P O BOX.

Position 15 = individual indicator (I)

Position 16 = calendar/fiscal year indicator (C or F)

Position 17 = filing status (X= joint, 0 [zero] = single)

Position 18 = resident/nonresident indicator (R or N)

Position 19 = voucher #. **Note:** DOR provides this value as a hardcoded digit "9."

Fiduciary (Form 2-ES)

Positions 1–9 = taxpayer's Identification number

Positions 10–12 = first three (3) positions of entity's name (second name line). **Note:** If taxpayer's last name is "YA," DOR provides "YA" + 1 space.

Positions 13–14 = first two (2) positions of street address. **Note:** DOR provides "PO" for PO BOX or "P" for P O BOX.

Position 15 = voucher #. **Note:** DOR provides this value as a hardcoded digit "9."

Positions 16–17 = month of tax year end

Position 18 = last digit of tax year end

Positions 19–21 = tax type (179)

Section 5

Specifications and Conditions for Scannable Tax Forms

See the following documents for detailed specifications of Scannable tax forms.

Forms 1 and 1 NR/PY: Personal Income Tax Software Developer's Guide

Forms 355 and 355S: Corporate Excise Software Developer's Guide

Forms 2 and 3: Personal Income Tax Software Developer's Guide

4.3 OCR Scanlines for Forms 355-ES, 180, M-941, RO-2, ST-MAB4, ST-9 and STS

Set up Coupon Templates and Creation

The Payment Number on the voucher is the Media Number generated by GeniSys.

Sample Payment Voucher Layout

CUT HERE AND RETURN IN THE ENVELOPE PROVIDED

001 **Payment Voucher**

Massachusetts Department of Revenue

MA Taxpayer ID		Amount Due	Amount Enclosed
		$12,345.67	

JOHN Q	ID	Period End	Tax Type	Voucher Type	ID Type	Vendor Code
	123456789	09/30/15	032	01	004	0001

Pay online at mass.gov/masstaxconnect, or return this voucher with a check or money order payable to: Commonwealth of Massachusetts.

Mail to:

MASSACHUSETTS DEPT OF REVENUE
PO BOX 7089
BOSTON, MA 02204-7089

0010012345678 9 093015 0000000000 032 010040001 0001234567 7

Standard Voucher Scanline Format

Example
Scanline: 00100123456789 093015 0000000000 032 010040001 00012345677

Scan Line Field	Starting Position	Length	Scan Line Content	Format	Comment	Example Scanline
1	1	3	Form Number	001	Constant 001	001
2	4	11	ID	Pad Left with 0	FEIN or SSN or MA UTN numeric (e.g. FEIN 12-3456789 would be 00123456789, specifying 004 in the ID Type field)	00123456789
3	15	1	Space	Empty Space		
4	16	6	Filing Period	MMDDYY	Last day of filing period (eg 093015 for Sept 30 2015)	093015
5	22	1	Space	Empty Space		
6	23	6	Filler	000000	Constant 000000	000000
7	29	4	Filler	0000	Constant 0000	0000
8	33	1	Space	Empty Space		
9	34	3	Tax Type	###	See "Tax Type Codes" section for codes (e.g. 032 for Sales Tax)	032
10	37	1	Space	Empty Space		
11	38	2	Voucher Type	##	01 for Return Payment; 17 for Estimated Return Payment; 18 for Extension Payment	01
12	40	3	ID Type	###	004 for FEIN, 005 for SSN, 003 for MA UTN (based on ID entered in field 2)	004
13	43	4	Vendor Number	####	If you want to assign specific numbers to vendors, you can do this here with 4 digit code, not used in payment directions	0001
14	47	1	Space	Empty Space		
15	48	10	Amount Due	000$$$$$¢¢ (Pad Left with 0)	Amount of Tax Due with return e.g. $12,345.67 would be 0001234567	0001234567
16	58	1	Check Digit	#	LuhnsMod10 calculation of previous characters of scanline <u>excluding</u> spaces (see LuhnsMod10 section for breakdown)	7

Scanline Placement/Font
OCR A Extended 12 pt font
Scanline starts 1.25 inches from left side.
Top of scan line is .479 inches from the bottom

ID:
The payment number is an 11-digit all numeric number. It can have any value between 1 and 99999999999.

Filing Period:
The filing period will either be a valid date in MMddyy format, or the value "000000".

ID Types:
The value of ID Type will be set to reflect the type of ID the account number on 4-14 represents.

Media	001
ITIN	002
MA Taxpayer ID (UTN)	**003**
Federal Employer ID	**004**
SSN	**005**

Tax Types:
Tax Type will be used to identify the tax that the coupon is intended to pay off. Since the GeniSys coupon will be used for multiple tax types as new taxes are rolled into GeniSys, this field can be used to determine the target account for any deposits. A value of "999" represents a coupon with directions going to multiple tax types.

Club Alcohol Excise	009
Corporate Excise	014
Financial Institution Excise	015
P&C - PPO Insurance Excise	018
Life Insurance Excise	022
Ocean Marine Insurance Tax	023
Meals Tax	024
Room Occupancy Tax	029
Sales Tax	032
Sales Tax Services	035
Urban Redevelopment Excise	037
Withholding Tax	040
Corporate Combined Excise	041
Multi	999
UNK	999

Voucher Types:
Voucher type will represent the type of payment the coupon represents.

Return Payment	**01**
Period Payment	02
Account Payment	06
Collection Payment	07
Amended Return Payment	14
Estimated Payment	**17**
Extension Payment	**18**

LuhnsMod10 Calculation

Voucher Scanline	0	0	1	0	0	1	2	3	4	5	6	7	8	9	0	9	3	0	1	5	0	0	0	0	0	0	0	0	0	0	0	3	2	0	1	0	0	4	0	0	0	1	0	0	0	1	2	3	4	5	6	7	check digit in Genisys
	0	0	1	0	0	1	2	3	4	5	6	7	8	9	0	9	3	0	1	5	0	0	0	0	0	0	0	0	0	0	0	3	2	0	1	0	0	4	0	0	0	1	0	0	0	1	2	3	4	5	6	7	7
scanline number	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
weight	0	0	1	0	0	2	2	6	4	1	6	5	8	9	0	9	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	6	2	0	1	0	0	8	0	0	0	2	0	0	0	2	2	6	4	1	6	5	
weighted scanline #																																																					

sum of weighted values	103
Mod 10	3
Check Digit	7