

# 2D Barcode / Tax Forms Testing Package Tax Year 2025



City of Portland Revenue Division

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Version Date Author Change(s)					
2025.1.0	11/17/2025	Anna Cleveland	Initial release		
		Jared Eiesland			



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# 1 Introduction

2D Barcode specifications and draft tax forms are available on the City of Portland Tax Software Developer Resource site: <a href="http://www.portland.gov/revenue/tax-software">http://www.portland.gov/revenue/tax-software</a>

# 1.1 Change Log

Section - Scenario	Description	Change Date

### 1.2 Contact Information

Questions may be directed to the Division using any of the following methods:

By mail: City of Portland - Revenue Division Attention: BSD Annual Changes 111 SW Columbia Street, Suite 600 Portland, OR 97201

By email: <a href="mailto:PortlandTaxForms@portlandoregon.gov">PortlandTaxForms@portlandoregon.gov</a>

# 2 Testing

# 2.1 Testing Procedures

Test submissions should be emailed to: <a href="mailto:PortlandTaxForms@portlandoregon.gov">PortlandTaxForms@portlandoregon.gov</a>

Vendors are welcome to submit additional scenarios for their own testing purposes; please indicate any such submission is an additional scenario. The tests contained in this document are for consistency across Software Developers and from 2D Barcode to MeF.

### 2.2 Error Categories

2D and tax form/calculation submission validation will be based on the following error categories:

- Form format
- Form labels
- Math errors
- Field allowable entries
- 2D field length
- 2D allowable characters
- 2D field order

### 2.3 Tax Year 2025 Rates

Multnomah County Maximum Owners Compensation Deduction: \$158,500



City of Portland Maximum Owners Compensation Deduction: \$160,500

Heavy Vehicle Use Tax Rate: 2.6%

Residential Rental Registration Fee per Unit: \$70

### 2.4 Test Scenarios

All test scenarios for 2D barcode and tax form validation are the same as for MeF.

### 2.4.1 Individual Schemas

Submissions may only be for the form that you are testing for that scenario. For example, if you are only testing sole proprietorships, only submit Form SP and all required documentation for that scenario.

ID	Form	Scenario	
IND1	SP	<ul> <li>File Form SP where the taxpayer:</li> <li>Multnomah County sales = \$2,825,968</li> <li>Total sales from all sources = \$32,652,589</li> <li>City of Portland sales = \$1,825,478</li> <li>Total Federal 1040 Schedule C net loss = (\$4,901,235)</li> <li>Total Federal 1040 Schedule F net loss = (\$125,896)</li> <li>Federal 1040 Schedule B and Schedule D loss = (\$339,652)</li> <li>Federal 1040 Schedule E income = \$364,491 from 6 residential rental properties located in Portland</li> <li>Tax addback = \$200</li> <li>Oregon weight mile tax = \$3,500 and the taxpayer used the vehicle on Portland streets</li> </ul>	
IND2	SP	File Form SP where the taxpayers are a married filing joint couple where both individuals are actively involved with the businesses. Therefore, there are two Schedule Cs. Additional information:  • Multnomah County sales = \$2,825,968  • Total sales from all sources = \$32,652,589  • City of Portland sales = \$1,825,478  • Total Federal 1040 Schedule C net income = \$4,901,235  • Total Federal 1040 Schedule F net income = \$125,896  • Deductible SE tax and Oregon modifications = (\$61,953)  • Federal 1040 Schedule B and Schedule D Income = \$339,652  • Federal 1040 Schedule E loss = (\$364,491) from 6 residential rental properties not located in Portland and Multnomah County  • Tax addback = \$32,948  • Multnomah County modifications = \$18,500  • Add-back of non-business income allocated to Multnomah County = \$8,000	



		<ul> <li>Max allowed owners compensation deduction is being claimed for both jurisdictions</li> <li>Max allowed NOL deduction is being claimed for both jurisdictions</li> <li>City of Portland modifications = (\$27,500)</li> <li>Add-back of non-business loss allocated to City of Portland = (\$5,000)</li> <li>Downtown Business Incentive credit = (\$165)</li> <li>Prepayments = \$6,000</li> <li>Request that part of the overpayment be a refund and the other part as a credit carryforward.</li> </ul>
IND3	SP	<ul> <li>Submit a filing where:</li> <li>Taxpayer is requesting to be exempt from Multnomah County Business Income tax and City of Portland Business Tax</li> <li>Multnomah County sales = \$49,000</li> <li>City of Portland sales = \$49,000</li> <li>Total sales = \$49,000</li> </ul>
IND4	SP	<ul> <li>Taxpayer is requesting to be exempt from Multnomah County Business Income</li> <li>Multnomah County sales = \$90,000</li> <li>City of Portland sales = \$90,000</li> <li>Total sales = \$90,000</li> <li>Number of owners = 1</li> <li>Schedule C loss = (\$1,000)</li> <li>Schedule E income = \$1,500</li> <li>Tax addback = \$200</li> <li>Max allowed owners compensation deduction is being claimed for Portland</li> <li>Oregon Weight Mile tax = \$8,000 and the taxpayer used the vehicle on Portland streets</li> <li>Taxpayer has 4 residential rental units located in Portland, 1 of the units is an Affordable Housing unit.</li> <li>Prepayments = \$600</li> <li>Request that the overpayment be applied as a credit carryforward to the next year.</li> </ul>
IND6	MC40	File Form MC40 where:  • Filing status = single  • Oregon taxable income = \$276,224  • Exempt income = \$15,000  • Pass through income received from Test, LLC



		<ul> <li>M</li> <li>Pass the control of the control</li></ul>	<ul> <li>Modification percentage = 100%</li> <li>Pass through income received from Test, Inc.</li> <li>Total pass-through income = \$16,000</li> </ul>				
IND7	MC40	<ul> <li>Filing:</li> <li>Orego</li> <li>Exemp</li> <li>Pass the control of the c</li></ul>	Oregon taxable income = \$760,000  Exempt income = \$12,000  Pass through loss from Test, Inc.  Total pass-through loss = (\$35,000)  Modification percentage = 32%  The taxpayer and spouse both had employer withholding  Employer for taxpayer withholding = \$3,000				
IND8	MC40NP	File Form MC4	ONP where:				
		• Filing	status = single				
		<ul> <li>Sched</li> </ul>	ule INC informat	ion			
		•		Fadaval	D.C. day a year la	٦	
		Incon		Federal	Multnomah	-	
		Wage		\$500,000	\$450,000	-	
		Intere		\$1,500	\$1,000	-	
			ess loss	(\$25,000)	(\$10,000) \$350	-	
			al gain dule E income	\$350 \$125,000	\$75,000	_	
		Sched	iule E income	\$125,000	\$75,000		
		Adius	stments	Federal	Multnomah		
			ator expenses	(\$200)	(\$200)		
		Lauce	[ (\$200)   (\$200)				
		Allow	Allowable Multnomah County Deduction				
		Orego	on itemized or				
		stand	ard deduction	(\$14,000)			
		Feder	al tax liability				
		subtr	action	(\$8,500)			
			table Art				
		Dona	tion	(\$600)			



- Pass through income modification from Pass Thru, Inc.
  - o Loss = (\$50,000)
  - Ownership percentage = 8%
  - o The entity is electing the actual method for previously taxed income
- Schedule MC-40-NP ASC information
  - o Section 1: Adjustments

Code	Federal	Multnomah
005	(\$500)	(\$500)

Section 2: Additions

Code	Federal	Multnomah
107	\$2,000	\$1,500

Section 3: Subtractions

Code	Federal	Multnomah
340	(\$1,500)	(\$1,200)

Section 4: Modifications

Code	Oregon
650	\$750

- Credit for tax paid to another state = \$450
- Employer withholding = \$3,750
- Prepayments = \$3,000

### IND9 MC40NP

# File Form MC40NP where:

- Filing status = head of household
- Schedule INC information:

Income	Federal	Multnomah
Wages	\$1,200,000	\$800,000
Dividend income	\$500	\$500
State and local income		
refund	\$200	\$0
Alimony received	\$15,000	\$15,000
Other gains	\$56,000	\$47,501

Adjustments	Federal	Multnomah
Moving expenses	(\$10,000)	(\$10,000)



Subtractions	
Oregon PERS	(\$36,422)

Allowable Multnomah County Deduction		
Oregon itemized or		
standard deduction	(\$5,495)	
Federal tax liability		
subtraction	(\$8,250)	

- Pass through income modification from Pass Thru, Inc.
  - $\circ$  Loss = (\$50,000)
  - Ownership percentage = 43%
- Schedule MC-40-NP ASC information
  - Section 1: Adjustments

Code	Federal	Multnomah
005	(\$250)	(\$250)

Section 2: Additions

Code	Federal	Multnomah
153	\$12,500	\$10,200

Section 3: Subtractions

Code	Federal	Multnomah
322	(\$800)	(\$700)

Section 4: Modifications

Code	Oregon
603	(\$600)

- Credit for tax paid to another state = \$3,300
- Employer withholding = \$12,000
- Prepayments = \$5,500

Request that the overpayment be partially refunded and partially credit carryforward to the next year.

# IND10 MET40

File Form MET40 where:

- Filing status = single
- Oregon taxable income = \$215,000



		•	Exempt income = \$5,00	0		
		•	• Employer withholding = \$180			
		<ul> <li>Pass through income modification from Pass Thru, Inc.</li> </ul>				
		o Loss = (\$10,250)				
		<ul><li>Ownership percentage = 75%</li></ul>				
IND11	MET40	File Form MET40 where:				
		•	Filing status = qualifying			
		•	Oregon taxable income	•		
		•	Exempt income = \$2,000			
		•	Pass through income me	odification from Pas	s Inru, Inc.	
			<ul><li>Loss = (\$20,250)</li><li>Ownership percenta</li></ul>	ago - 90%		
					for previously taxed income	و
		•	Credit for tax paid to an	~	Tor previously taxed meening	
		•	Employer withholding =	•		
		•	Prepayments = \$3,600	<b>,</b>		
		Reques	t that part of the overpa	yment be refunded,	and part of the payment be	ا و
		applied	l as a credit carryforward	to the next year.		
IND12	MET40NP	File For	m MET40NP where:			
INDIZ	IVIE 140INF	File Foi	Filing status = married f	iling congrataly		
		•	Schedule INC information			
		•			Metro	
		•	Schedule INC information	on:	<b>Metro</b> \$742,500	
		•	Schedule INC information	Federal		
		•	Schedule INC information  Income  Wages	Federal \$860,000	\$742,500	
		•	Income Wages Interest income	Federal \$860,000 \$1,200	\$742,500 \$800	
		•	Income Wages Interest income Business loss	Federal \$860,000 \$1,200 (\$125,000)	\$742,500 \$800 (\$115,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income	Federal \$860,000 \$1,200 (\$125,000) (\$12,000) \$2,500	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500	
		•	Income Wages Interest income Business loss Schedule E loss Farm income	\$860,000 \$1,200 (\$125,000) (\$12,000)	\$742,500 \$800 (\$115,000) (\$12,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction	Federal \$860,000 \$1,200 (\$125,000) (\$12,000) \$2,500 Federal (\$15,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction	Federal \$860,000 \$1,200 (\$125,000) (\$12,000) \$2,500 Federal (\$15,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction Alimony paid  Subtractions Social Security	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal (\$15,000) (\$5,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction Alimony paid	Federal \$860,000 \$1,200 (\$125,000) (\$12,000) \$2,500 Federal (\$15,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction Alimony paid  Subtractions Social Security benefits	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal (\$15,000) (\$5,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction Alimony paid  Subtractions Social Security benefits  Allowable Metro Deduction	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal (\$15,000) (\$5,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	
		•	Income Wages Interest income Business loss Schedule E loss Farm income  Adjustments Self-employed health insurance deduction Alimony paid  Subtractions Social Security benefits	Federal \$860,000 \$1,200 (\$125,000) \$2,500 Federal (\$15,000) (\$5,000)	\$742,500 \$800 (\$115,000) (\$12,000) \$2,500 Metro (\$10,000)	



Federal tax liability	
subtraction	(\$8,250)

- Pass through income modifications
  - o Local Biz, LLC
    - Income = \$20,000
    - Modification percentage = 15%
  - o Pass Thru, Inc.
    - Loss = (\$10,000)
    - Modification percentage = 50%
- Schedule MET-40-NP ASC information
  - Section 2: Additions

Code	Federal	Metro
131	\$600	\$400

### Section 3: Subtractions

Code	Federal	Metro
324	(\$200)	(\$200)

- Credit for tax paid to another state = \$300
- Employer withholding = \$1,400
- Prepayments = \$700

# IND13 MET40NP File Form

# File Form MET40NP where:

- Filing status = married filing jointly
- Schedule INC information:

Income	Federal	Metro
Wages	\$200,000	\$200,000
Interest income	\$2,500	
Alimony received	\$15,000	\$15,000
Business income	\$3,500	
IRA Distributions	\$6,000	\$6,000

Adjustments	Federal	Metro
Educator expenses	(\$200)	(\$200)
Moving expenses	(\$5,000)	(\$5,000)

Allowable Metro Deduction			
Oregon itemized or			
standard deduction	(\$5,495)		
Federal tax liability			
subtraction	(\$8,250)		



•	Schedule	MC-40-NP	ASC	information

Section 2: Additions

Code	Federal	Metro
131	\$5,000	\$3,150

Section 3: Subtractions

Code	Federal	Metro
354	(\$700)	(\$700)

- Credit for tax paid to another state = \$3,300
- The taxpayer and spouse both had employer withholding
  - Employer for taxpayer withholding = \$3,000
  - Employer for spouse withholding = \$500
- Prepayments = \$2,000

Request that the overpayment be partially refunded and partially credit carryforward to the next year.

# 2.4.2 Business Schemas

Submissions may be only for the form that you are testing for that scenario. For example, if you are only testing partnerships, only submit Form P and all required documentation for that scenario.

ID	Form	Scenario
BUS1	SC, C, P, METBIT20, METBIT20S, METBIT65	<ul> <li>For SC, C, P</li> <li>Multnomah County sales = \$2,825,968</li> <li>City of Portland sales = \$1,825,478</li> <li>Number of owners = 5.036100 (controlling shareholders for SC, C; general partners for P)</li> <li>Compensation add back = \$3,658,521</li> <li>Max allowed owners compensation deduction is being claimed for both jurisdictions</li> <li>Elected Actual PTI Modification (Form SC and Form P only)</li> <li>Multnomah County modifications = (\$88,000)</li> <li>Add-back of non-business income allocated to Multnomah County = \$60,000</li> <li>City of Portland modifications = (\$77,000)</li> <li>Add-back of non-business income allocated to City of Portland = \$50,000</li> <li>Downtown Business Incentive credit = (\$316)</li> <li>Heavy Vehicle Use Tax = \$390</li> <li>Pay Ratio Surtax = \$822 (Form C only)</li> </ul>



		<ul> <li>CEO Compensation = \$2,000,000</li> <li>Median Compensation = \$4,000</li> <li>Number of residential rental units located in Portland subject to fee = 6</li> <li>For METBIT20, METBIT20S, METBIT65</li> <li>Metro sales = \$2,825,968</li> <li>Elected Actual PTI Modification (Form METBIT65 and Form METBIT20S only)</li> <li>Subtraction of non-business income = (\$20,000)</li> <li>Add-Back of non-business income allocated to Metro = \$15,000</li> <li>For all forms</li> <li>Total sales from all sources = \$32,652,589</li> <li>Net income = \$5,369,321</li> <li>Tax addback = \$32,948</li> <li>Other subtractions = (\$60,790)</li> <li>Taxpayer is taking the maximum allowed NOL deduction</li> </ul>
BUS2	SC, C, P, METBIT20, METBIT20S, METBIT65	Submit a filing where:  For SC, C, P  Multnomah County sales = \$45,008,384  City of Portland sales = \$40,000,384  Number of owners = 2 (controlling shareholders for SC, C; general partners for P)  Compensation add back = \$150,000  For METBIT20, METBIT20S, METBIT65  Metro sales = \$45,008,384  For all forms  Total sales from all sources = \$68,999,154  Net loss = (\$3,481,348)  Tax addback = \$200  Other additions = \$86,000  Add-back of non-business loss allocated to Multnomah County, City of Portland, Metro = (\$400,000)  Prepayments = \$2,000  Request that part of the overpayment be a credit carryforward and part of the overpayment be refunded.
BUS3	SC, C, P, METBIT20, METBIT20S, METBIT65	Submit a filing for a short year where:  • For SC, C, P  • Multnomah County sales = \$123,859,431  • City of Portland sales = \$40,000,384  • Number of owners = 1 (controlling shareholder for SC, C; general partner for P)  • Compensation add back = \$350,000



		•	both jurisdictions For METBIT20, METBIT   Metro sales = \$123 For all forms	,859,431 sources = \$1,000,054,388 ,421,568 958,438	
BUS4	SC, C, P	•	Income tax and City of Multnomah County sale City of Portland sales = Total sales = \$49,000 No owners or compens Oregon weight mile tax Portland streets	es = \$49,000 \$49,000 ation add back x = \$3,500 and the taxpayontial rental units located i	er used the vehicle on
BUS5	SC, C, P	Submit a filing where:  Taxpayer is requesting to be exempt from Multnomah County Business Income Tax  Multnomah County sales = \$90,000  City of Portland sales = \$90,000  Total sales = \$90,000  Net income = \$700  Tax addback = \$200  Number of owners = 1 (controlling shareholder for SC, C; general partner for P)  No owners compensation add back  Max allowed owners compensation deduction is being claimed for Portland (Form P only)  Prepayments = \$500  Request that the overpayment be applied as a credit carryforward to the next year.			
BUS6	CES	-	a filing where:		
				Everywhere	Portland
			Gross income	\$1,100,000,000	\$95,000,000
			Non-retail sales	\$100,000,000	\$8,636,364
				T = 20,000,000	т -, -, -, -, -, -, -, -, -, -, -, -, -,



	<ul> <li>Retail Sales of Qualified Groceries = \$150,000</li> <li>Retail Sales of Qualified Medicine or Drugs = \$250,000</li> <li>Retail Sales of Qualified Health Care Services = \$5,000,000</li> <li>Retail Sales of Qualified Residential Garbage and Recycling Services = \$700,000</li> <li>Portland Business License Tax paid = \$608,442</li> <li>Prepayments = \$800,000</li> <li>Fuel Sales = \$320,000</li> </ul>
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# 2.4.3 Estate and Trust Schemas

These scenarios are the same as the business scenarios.

ID	Баши	Compania
ID	Form	Scenario
ET1	E, METBIT41	Submit a filing where:  • For E
		<ul><li>Multnomah County sales = \$2,825,968</li></ul>
		<ul><li>City of Portland sales = \$1,825,478</li></ul>
		<ul><li>Multnomah County modifications = (\$15,000)</li></ul>
		<ul> <li>Add-back of non-business loss allocated to Multnomah County = (\$15,000)</li> </ul>
		<ul><li>City of Portland modifications = (\$20,000)</li></ul>
		<ul> <li>Add-back of non-business income allocated to City of Portland = \$20,000</li> </ul>
		<ul> <li>Downtown Business Incentive credit = (\$198)</li> </ul>
		○ HVT = \$390
		<ul> <li>Taxpayer has 6 residential rental units located in Portland</li> </ul>
		For METBIT41
		<ul><li>Metro sales = \$2,825,968</li></ul>
		For all forms
		<ul><li>Total sales from all sources = \$32,652,589</li></ul>
		<ul><li>Net income = \$5,369,321</li></ul>
		<ul> <li>Tax addback = \$32,948</li> </ul>
		<ul><li>Other subtractions = (\$60,790)</li></ul>
		Taxpayer is taking the maximum allowed NOL deduction
		o Prepayments = \$10,000
		Request that part of the overpayment be a credit carryforward and part of the overpayment be refunded.
		overpayment be retuinded.
ET2	E	Submit a filing where:
		Taxpayer is requesting to be exempt from Multnomah County Business
		Income tax and City of Portland Business Tax



	<ul> <li>Multnomah County sales = \$49,000</li> <li>City of Portland sales = \$49,000</li> <li>Total sales = \$49,000</li> <li>Taxpayer has 6 residential rental units located in Portland. 2 of the units are affordable housing.</li> </ul>
ET3 E, METBIT41	Submit a filing for a short year where:  • For E  • Multnomah County sales = \$1,238,594  • City of Portland sales = \$1,238,594  • For METBIT41  • Metro sales = \$1,238,594  • For all forms  • Total sales from all sources = \$7,238,594  • Net loss = (\$195,786)  • Tax addback = \$200

# 2.4.4 Additional Scenarios

Alternative or additional testing scenarios are allowed and expected on an as needed basis determined by software vendors.