Internal Revenue Service

PART I

Electronic Return
FILE SPECIFICATIONS
for Individual Income Tax Returns

TAX YEAR 2006

W&I, Submission Processing,
Individual Electronic Filing &
Information Systems Electronic Filing Section
August 31, 2006

Intentional Blank Page

TABLE OF CONTENTS

Introduction ix
Highlights x

Section 1 - Data Communications 1

.01 IRS Front-End Processing Subsystem (FEPS) 3
1. File Transfer Protocols Character Code & File Compression 3
2. Trading Partner/Transmitter Interface (TPI) 3
3. Transmitter Profile DataBase (TPDB) 3
4. Asynchronous Communications Transmitter Interface 4
5. Examples 4
6. Suspended Transmitter 4
7. Virus Detection Procedures 4
8. Logon Validation Specifications 5
a. Transmission Inactivity 5
b. Changing File Transfer Protocol Indicator (FTP) 5
c. Changing File Compression 5
9. IMF Trading Partner (1040 and ETD) Session Example 5
a. Successful Login – No Password Change Required 6
b. Successful Login Password Change Required 6
c. Unsuccessful Logon 8
d. EMS Unavailable 8
e. EMS Main Menu Processing 9
10. Changing Settings 12
a. Changing the Transmission Protocol 12
b. Changing the Compression Method 15
11. Receiving Acknowledgements 18
a. Suspended Transmitter Message 20
12. Sending Files 20
a. Starting the Send Process 21
b. Sending as Transmitter 22
13. Request Transmission Status Report 23
14. Changing Password 25
15. Executing the State Return Menu 28
a. State Return Menu Unavailable 29
b. State Return Menu 30
c. Resetting a State File 30
d. Requesting a State Files to Download Report 34
e. Receiving State Return Files 36
16. Logging Off the System 38
17. Trading Partner Sessions Examples 39

Appendix A - GTX and Acknowledgment File Name Formats 41
Appendix B – XML Error Acknowledgement Format 45
Appendix C – EMS Communications and Encryption 51
Appendix D – Examples of Transmission Status Reports 63
Appendix E – Guidelines for Trading Partners Using EMS 75
Appendix F – Example Script to Pick Up Acks & Send a File 79
Appendix G – EMS Password Rules 85
Appendix H – Acronym List 89
Appendix I - Communication Error Messages 93

TABLE OF CONTENTS continued

Section 2 - Transmission File Format..... 101

.01 General Description..... 101
.02 Fixed and Variable Length Options..... 104
1. Fixed Length Option (Fixed Format)..... 104
2. Variable Length Option (Variable Format)..... 105
3. Examples of Fixed and Variable Formats..... 107

Section 3 - Acknowledgement File Format..... 109

.01 Acknowledgement File Components..... 109
.02 Acknowledgement File Record Layouts..... 113
1. ACK Key Record..... 113
2. ACK Error Record..... 115
3. ACK Error Record (STCGL/LTCGL)..... 116
4. ACK Recap Record..... 117
.03 Examples of ACK Records..... 119
.04 How to Batch and Match Returns with Acknowledgement Files..... 120
1. File Names..... 120
2. Assignment of File Name by FEPS..... 121
3. Receiving, Locating, Storing and Matching ACK Files..... 122

Section 4 - Types of Records..... 125

.01 Transmitter Records..... 125
1. TRANA and TRANB Records..... 125
2. RECAP Record..... 125
.02 Tax Return Records..... 125
1. Tax Form Record..... 125
2. Schedule and Form Records..... 125
3. FEC Record 126
4. Authentication Record..... 126
5. Statement Records..... 126
6. STCGL/LTCGL Records..... 127
7. Preparer Note, Election Explanation and Regulatory Explanation Records..... 127
8. State Records..... 128
9. Summary Record..... 128

Section 5 - Types of Characters..... 129

.01 Allowable Characters..... 129
1. Alpha..... 129
2. Numeric..... 129
3. Alphanumeric..... 131
.02 Special Cases for Special Characters..... 122

TABLE OF CONTENTS continued

Section 6 - Criteria for Filer Front-End Checks..... 133

.01 Refund Delay Conditions..... 133
.02 Optional Social Security Number Validation against Label..... 134
.03 SSN Validation..... 136
.04 Optional Validation of Routing Transit Number (RTN)..... 136

Section 7 – Formats for Name Controls, Name Lines, & Addresses..... 138

.01 Name Controls for Individual Tax Returns..... 138
.02 Name Line 1 Format..... 138
.03 Street Address Format..... 141
.04 Name Line 2 Format..... 142
.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2..... 143
.06 Foreign Employer/Payer Address on Forms W-2, W-2G, W-2GU and 1099-R..... 151

Section 8 - Statement Records..... 153

.01 General Information..... 153
.02 Types of Statement Records..... 153
1. Optional Statement Records 153
2. Required Statement Records..... 153
.03 Statement Record Format..... 154
.04 Examples of Optional Statement Records..... 156
1. Optional Statement Record - Page 01 and Page 02 (Fixed or Variable Format) 156
2. Optional Statement Record (Fixed or Variable Format)..... 158
3. Optional Statement Record - Continuation Statement (Fixed or Variable Format)..... 159
.05 Reporting Money Amount Fields and Totals..... 160

Section 9 - Validation - Transmission Records..... 161

.01 General Transmission Reject Conditions..... 161
.02 TRANS Record A (TRANA) Reject Conditions..... 161
.03 RECAP Record Reject Conditions..... 161

Section 10 - Validation - Tax Return..... 163

.01 General Reject Conditions..... 163
.02 Statement Record Reject Conditions..... 163
.03 Tax Return Record Identification (Record ID) Reject Conditions..... 163
.04 Tax Return Carry-Forward Lines..... 164

TABLE OF CONTENTS continued

Section 11 - Validation - Specific Schedules and Forms..... 169

.01 Form 1040, Form 1040A, and Form 1040EZ..... 169
.02 Direct Deposit Information for Form 1040, Form 1040A, and Form 1040EZ..... 169
.03 Form 1040 and Form 1040A..... 169
.04 Form 1040..... 169
.05 Form 1040A..... 169
.06 Form 1040EZ..... 169
.07 Form 1040EZ-T..... 169
.08 Error Reject Codes for Schedules..... 170
1. Schedule A..... 170
2. Schedule B and Schedule 1..... 170
3. Schedule C..... 170
4. Schedule C-EZ..... 170
5. Schedule D..... 170
6. Schedule E..... 170
7. Schedule EIC..... 170
8. Schedule F..... 170
9. Schedule H..... 170
10. Schedule J..... 170
11. Schedule R and Schedule 3..... 170
12. Schedule SE..... 170

.09 Error Reject Codes for Forms..... 171
1. Form T 171
2. Form W-2 171
3. Form W-2G 171
4. Form W-2GU 171
5. FEC Record 171
6. Form 970 171
7. Form 982..... 171
8. Form 1099-R..... 171
9. Form 1116..... 171
10. Form 1310 171
11. Form 2106 and Form 2106-EZ 171
12. Form 2120..... 172
13. Form 2210 and Form 2210F..... 172
14. Form 2439..... 172
15. Form 2441 and Schedule 2..... 172
16. Form 2555 and Form 2555EZ..... 172
17. Form 3468..... 172
18. Form 3800..... 172
19. Form 3903..... 172
20. Form 4136..... 172
21. Form 4137..... 172
22. Form 4255..... 172
23. Form 4562..... 173
24. Form 4563..... 173
25. Form 4684..... 173
26. Form 4797..... 173
27. Form 4835..... 173
28. Form 4952..... 173
29. Form 4970..... 173
30. Form 4972..... 173
31. Form 5074..... 173
32. Form 5329..... 173
33. Form 5471..... 173
34. Schedule J
Form 5471 173

.09 Error Reject Codes for Forms continued..... 174

35. Schedule M
Form 5471 174
36. Schedule N
Form 5471 174
37. Schedule O
Form 5471 174
38. Form 5695..... 174
39. Form 5713..... 174
40. Schedule A
(Form 5713) 174
41. Schedule B
(Form 5713) 174
42. Schedule C
(Form 5713) 174
43. Form 5884..... 174
44. Form 5884-A..... 174
45. Form 6198..... 174
46. Form 6251..... 174
47. Form 6252..... 174
48. Form 6478..... 175
49. Form 6765..... 175
50. Form 6781..... 175
51. Form 8082..... 175
52. Form 8271..... 175
53. Form 8275..... 175
54. Form 8275-R..... 175
55. Form 8283..... 175
56. Form 8379..... 175
57. Form 8396..... 175
58. Form 8582..... 175
59. Form 8582-CR..... 175
60. Form 8586..... 176
61. Form 8594..... 176
62. Form 8606..... 176
63. Form 8609-A..... 176
64. Form 8611..... 176
65. Form 8615..... 176
66. Form 8621..... 176
67. Form 8689..... 176
68. Form 8697..... 176
69. Form 8801..... 176
70. Form 8812..... 176
71. Form 8814..... 177
72. Form 8815..... 177
73. Form 8820..... 177
74. Form 8824..... 177
75. Form 8826..... 177
76. Form 8828..... 177
77. Form 8829..... 177
78. Form 8830..... 177
79. Form 8833..... 177
80. Form 8834..... 177
81. Form 8835..... 177
82. Form 8839..... 177
83. Form 8844..... 178
84. Form 8845..... 178
85. Form 8846..... 178
86. Form 8847..... 178
87. Form 8853..... 178
88. Form 8854..... 178
89. Form 8859..... 178
90. Form 8860..... 178

TABLE OF CONTENTS continued

.09 Error Reject Codes for Forms continued..... 178

91. Form 8861..... 178
92. Form 8862..... 178
93. Form 8863..... 178
94. Form 8864..... 178
95. Form 8865..... 179
96. Schedule K-1
(Form 8865) 179
97. Schedule O
(Form 8865) 179
98. Schedule P
Form (8865) 179
99. Form 8866..... 179
100. Form 8873..... 179
101. Form 8874..... 179
102. Form 8880..... 179
103. Form 8881..... 179
104. Form 8882..... 179
105. Form 8885..... 179
106. Form 8886..... 180
107. Form 8888..... 180
108. Form 8889..... 180
109. Form 8891..... 180
110. Form 8896..... 180
111. Form 8900..... 180
112. Form 8901..... 180
113. Form 8903..... 180
114. Form 8906..... 180
115. Form 8907..... 180
116. Form 8908..... 180
117. Form 8910..... 181
118. Form 8911..... 181
119. Form 8912..... 181
120. Form 8913..... 181
121. Form 8914..... 181
122. Form 8915..... 181
123. Form 9465..... 181
124. Form Payment..... 181
125. Allocation Record..... 181

.10 Authentication Record..... 182
.11 STCGL/LTCGL..... 182
.12 State Records..... 182
.13 Summary Record..... 182

TABLE OF CONTENTS continued

Section 12 - Federal/State Electronic Filing Specifications..... 183

.01 General Description..... 183
A. State-Only Filing..... 183
B. Federal/State e-file Returns with Foreign Addresses..... 183
C. State Acknowledgements..... 183
.02 Federal/State Filing - Participating States..... 183
.03 Data Communications..... 184
.04 Record Format General Description..... 185
.05 File Format General Description..... 185
.06 File Format Fixed and Variable Length Options..... 186
.07 Types of Characters..... 186
.08 Validation of State-Only Returns..... 187
.09 Validation of Federal/State e-file returns with Foreign Addresses..... 187
.10 Acknowledgement File for Federal/State-Only Transmissions..... 188
.11 State Acknowledgement File Transmitted by State Agencies to EMS..... 188
a. Processing and Validations of State Acknowledgement (Outer Envelope)..... 190
b. Processing and Validations of State Acknowledgement (Inner Envelope Format)..... 191
.12 Transmission Status Report..... 192
.13 State ACK Record – Outer Envelope TRANA..... 193
1. Transmission Information Record – A..... 193
2. Transmission Information Record – B..... 195
3. Recap Record..... 196
.14 State ACK Record – Inner Envelope TRANA..... 198
1. Transmission Information Record – A..... 198
2. Transmission Information Record – B..... 200
3. ACK Key Record..... 201
4. ACK Error Record..... 204
5. Recap Record..... 205
.15 Record Format Fixed and Variable Examples..... 207
.16 STCAP Record Layout..... 208
.17 Validation of State Records..... 209

Section 13 - Electronic Signatures Specifications..... 213

.01 What is Self-Select Method..... 213
.02 Taxpayer Eligibility Requirements..... 214
.03 What is the Practitioner PIN Method..... 215
.04 Taxpayer Eligibility Requirements..... 215
.05 Data Validation..... 216
.06 IRS *e*-file Signature Authorizations..... 218
.07 Jurat/Disclosure Guidelines..... 219
.08 Jurat Language Text Selections..... 221
.09 *e*-file Jurat/Disclosure Text Code A-D..... 226
.10 Validation of Electronic Signatures..... 231
.11 Self-Select PIN Method Questions and Answers..... 233
.12 Practitioner PIN Method Questions and Answers..... 241

TABLE OF CONTENTS continued

ATTACHMENT 1 Error Reject Code (ERC) Cross References..... 245

ATTACHMENT 2 Acceptable Abbreviations..... 349

ATTACHMENT 3 Standard Postal Service State Abbreviations
and Zip Codes for the U.S. and U.S.POSSESSIONS..... 351

ATTACHMENT 4 APO/FPO City/State/Zip Codes
for Military Overseas Addresses..... 353

ATTACHMENT 5 Community Property State Abbreviations..... 355

ATTACHMENT 6 Clarification of Non-Paid Preparer Fields and
Form 8453..... 357

ATTACHMENT 7 EIN Prefixes..... 361

ATTACHMENT 8 Valid Two-Digit EFIN Prefix Codes..... 363

ATTACHMENT 9 Social Security/Taxpayer Identification Numbers
(Valid Ranges for SSN/ITIN/ATIN's)..... 365

ATTACHMENT 10 Country Codes for Forms 2555/2555-EZ
and Foreign Employer Compensation Record (FEC Record).... 367

ATTACHMENT 11 Maximum Number of Schedules and Forms..... 371

INTRODUCTION

This publication outlines the communications procedures, transmission formats, character sets, validation criteria, and error reject conditions for individual income tax returns filed electronically via telephone lines to participating Internal Revenue Service Centers. Also covered are the formats for statement records, examples of types of records, and explanations of the Acknowledgement files transmitted to electronic filers.

The File Specifications (Part I) must be used in conjunction with the Record Layouts (Part II) and the corresponding version of the Handbook for Electronic Return Originators of Individual Income Tax Returns, Publication 1345. Software developers and transmitters should use both publications and must transmit test returns from the IRS developed Test Package for Electronic Filers of Individual Income Tax Returns, Publication 1436, which is revised yearly. Tax preparers who use a transmission service will need only Publication 1345.

Publication 1346, and Publication 1436 are mailed automatically to applicants as appropriate, based on their intended participation. Other IRS ***e-file*** publications, including Publication 1345, Handbook for Authorized IRS e-file Providers of Individual Income Tax Returns, are available on the IRS web site, www.irs.gov. A list of IRS ***e-file*** publications is in Publication 3112, IRS e-file Application and Participation. You may also call 1-800-829-3676 for You may also call 1-800-829-3676 for additional copies of publications.

This publication and its updates are also available on the Digital Daily website at www.irs.gov. In addition, they are available on the Electronic Filing System Bulletin Board System. The Electronic Filing Bulletin Board System (EFSBBS) operates seven days a week. The system is unavailable at 4:00 a.m. Eastern Time for about 30-60 minutes for maintenance. This system provides general Electronic Filing Program information as well as specific information concerning changes to this and other publications.

Filers using an asynchronous modem (14.4 Kbps or less) and communication software can access the bulletin board by dialing:

859-292-0137

The communication software should have the following protocol:
Full Duplex, No Parity, 8 Data Bits, and 1 Stop Bit.

Intentional Blank Page

HIGHLIGHTS FOR TAX YEAR 2006

New Form(s)/Schedule(s)

Nine (10) additional forms will be accepted for Electronic Filing for Tax Year 2006:

Form 5695 – Residential Energy Credit
Form 8888 - Direct Deposit of Refund
Form 8900 – Qualified Railroad Track Maintenance Credit
Form 8906 – Distilled Spirits Credit
Form 8907 – Nonconventional Source Fuel Credit
Form 8908 – Energy Efficient Home Credit
Form 8910 – Alternative Motor Vehicle Credit
Form 8911 – Alternative Fuel Vehicle Refueling Property Credit
Form 8912 – Clean Renewable Energy Bond Credit
Form 8913 – Credit for Federal Telephone Excise Tax Paid

EMS
Beginning November 1, 2006, EMS users will be required to use a new Login-Id.

Form 1040EZ-T and Form 8913 (Telecommunications Excise Telephone Refund)
For Tax Year 2006, Forms 1040EZ-T (Claim for Refund of Federal Telephone Excise Tax) and Form 8913 (Credit for Federal Telephone Excise Tax Paid) will be accepted electronically.

Forms 1040, 1040A and 1040EZ were revised by adding two fields to each of the record layouts to accommodate the telephone excise tax refund. One of the fields added will capture the amount of the refund and the other field will indicate that Form 8913 is attached when the safe harbor amounts are not used to claim the refund.

Form 1040EZ-T will be accepted through the ELF programs for taxpayers who do not have filing requirements for TY 2006. Form 8913 can also be filed electronically by attaching to Form 1040EZ-T. Form 8913 can be filed by taxpayers who will not be claiming the safe harbor amounts ($30, $40, $50, or $60).

Form 1040 Series Changes
Educator Expenses was deleted from Form 1040 and Form 1040A and replaced with Archer MSA Deduction, Form 8853 (Form 1040) and Penalty on Early Withdrawal of Savings (Form 1040A).

Tuition and Fees deduction was deleted and replaced with Jury Duty on Form 1040 and Form 1040A.

A new line was added to Form 1040 for Residential Energy Credit (Form 5695).

A check box will be added to Forms 1040, 1040A and 1040EZ to indicate that Form 8888 is attached. Form 8888 is for taxpayers who opt to split their refund among three Direct Deposit accounts.

The Adoption Credit will move to a different line on Form 1040 and will be deleted from Form 1040A.

Majority of the forms that were previously reported as a write-in on Line 55c of Form 1040 will be reported on Form 3800.

Federal/State
West Virginia has elected to mandate individual e-filing for Practitioners filing more than 100 returns. Imperfect Federal/State returns will be accepted electronically for error reject codes 0501/0504.

Self-Select PIN - Prior Year PIN

Beginning in Filing Season 2007, when using the Self-Select PIN signature method, taxpayers will be able to use their prior year PIN for authentication. The prior year PIN DOES NOT increase the number of shared secrets that have to be submitted to IRS. Taxpayers may use either their Original Prior Year Adjusted Gross Income or Prior Year PIN, for authentication. Software must be designed to allow an entry in both of these fields. Taxpayers may choose to include both the original Prior Year AGI and Prior Year PIN; if either of these shared secrets match the return will continue processing.

NOTE: The Date of Birth shared secret requirement is NOT impacted by this change.

Both Online taxpayers as well as taxpayers who use an Authorized e-file Provider to file their tax returns will be eligible to use this option.

Tax preparation software should be capable of providing the taxpayer with a copy of the PIN used in their current tax return so that it will be available for them to use as their shared secret the next year. As a suggestion, the PIN can be pre-printed on the signature line (SEQ 1321/1324) of the tax return to avoid additional paper generation.

Online Filing Transmissions

In accordance with Publication 1345, *Handbook for Authorized IRS e-file Providers of Individual Income Tax Returns*, transmitters of online returns must include the letter "O" in the Transmission Type Code field (SEQ 0170) of the TRANA record. In addition, transmitters must ensure an online Electronic Filing Identification Number (EFIN) is used. An Intermediate Service Provider (ISP) that participates in online filing must also use an online EFIN. **Authorized IRS *e-file* Providers can obtain an online EFIN by updating their Provider Status on their IRS *e-file* Application(s) at irs.gov to include Online Provider.** The EFIN Prefix Codes of 10, 21, 32, 44 and 53 are designated for online filing.

Per Publication 3112, *IRS e-file Application and Participation*, an Online Provider allows taxpayers to self-prepare returns by entering return data directly into commercially available software, software downloaded from an Internet site and prepared off-line, or through an online Internet site.

8453-OL Non-Compliant Indicator

In Filing Season 2007, online taxpayers who did not submit the required Form 8453-OL to the Internal Revenue Service for the immediate past two years will be identified by a new "Non-Compliant Indicator" on the acknowledgement record. This indicator will allow the transmitter to inform the taxpayer that if they do not send in their 8453-OL for Tax Year 2006, they will be excluded from filing an online return in Filing Season 2008 unless the return uses the PIN signature method.

The new Non-compliant Indicator Field (SEQ 0015) on the Acknowledgement Record, will accept values Y and Blank.

New Consent to Disclosure Information (Section 13 Subsection 9)

An new item(d)as shown below in bold has been added to the Consent to Disclosure Statement for Regular online filers (Jurat B) to accommodate the new Non-Compliant Indicator for Form 8453-OL.

***The new statement reads as follows**: I consent to allow my Intermediate Service Provider or transmitter to send my return to IRS and to receive the following information from IRS: a) Acknowledgement of receipt or reason for rejection of transmission; b) refund offset; c) reason for any delay in processing or refund; d**) notification that Forms 8453-OL signature document has not been received for the past two years, if required**; and e) date of any refund.*

Editorial Changes

Changes made for Tax Year **2006** are noted by a single vertical bar in the right margin (|). Deletions are noted by a hyphen followed by a single vertical bar (-|).

An attempt was made to include as many changes as possible before publication. Any changes made after publication will be posted to the Electronic Filing Bulletin Board System.

Part II of Publication 1346 contains the Electronic Returns Record Layouts for Individual Income Tax Returns.

Part III of Publication 1346 contains Electronic Transmitted Documents (ETD) File Specifications and Record Layouts.

Comments and Suggestions

Please send any comments or suggestions regarding Sections 1-4 to:

Internal Revenue Service
Yudeckia Brothers, SE:W:CAS:SP:ES:I, NCFB C5-351
5000 Ellin Road
Lanham, MD 20706

Please send any comments or suggestions regarding Section 12 of Part I to:

Internal Revenue Service
Federal/State Electronic Filing Program
Joyce Colbert, SE:W:CAS:SP:ES:I, NCFB C5-357
5000 Ellin Road
Lanham, MD 20706

Please send any comments or suggestions regarding Section 13 of Part I to:

Internal Revenue Service
Teara Mitchell, SE:W:CAS:SP:ES:I, NCFB C5-356
5000 Ellin Road
Lanham, MD 20706

-|

Please send any comments or suggestions regarding the Publication 1346 (except for Sections 1, 2, 3, 4, 12, and 13) to:

Internal Revenue Service
Trena Moody, SE:W:CAS:SP:ES:I, NCFB C5-373
5000 Ellin Road
Lanham, MD 20706

SECTION 1 – DATA COMMUNICATION

Electronic Filers will transmit over the Public Switched Telephone Network or through the internet to the Front End Processing System (FEPS), also known as Electronic Management System (EMS) located at the Enterprise Computing Center (ECC) at Memphis, Tennessee and or Martinsburg, West Virginia.

NOTE: IRS plans to discontinue dial-up access to the FEPS by November 2005.

HISTORICAL NOTE: In 1996, IRS began phasing in a UNIX-based Front End Processing Subsystem (FEPS), also known as the Electronic Management System (EMS), at the Enterprise Computing Center (ECC) at Memphis (formerly known as Tennessee Computing Center (TCC)) to eventually replace all of the IBM Series/1 Data Communications Subsystem (DCS). In processing year 1997, the Tennessee Computing Center (TCC) replaced the Series/1 DCS with the new FEPS.

In 1997, the Austin Service Center (AUSC) also began phasing in the FEPS and in 1999 phased out the IBM Series/1. Beginning with PATS 1999, the IBM Series/1 mini-computers were retired from Andover (ANSC), Cincinnati (CSC), and Ogden Service Centers (OSC). Instead of installing the new FEPS in these centers all sites began using the FEPS in the ECC at Martinsburg, WV and Memphis, TN.

The following transmission rules apply:

Processing for 1040 *e-file* in 2007
Tax Year 2006

JANUARY 2007 – OCTOBER 2007 Return Transmissions

If Fed/State or State only return and the State return included is for the following state; OR If Online Federal return only and the taxpayer's address on their Federal return is in the following state:	Return Processing Center Site Designator and URL	Error Resolution System Correspondence	e-Help Desk 1-866-255-0654 Send Form(s) 8453/8453-OL to:
Connecticut, Delaware, District of Columbia, Maine, **Maryland,** Massachusetts, New Hampshire, **New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia,** APO/FPO New York	C – Andover efileA.ems.irs.gov	Andover	Andover
North Dakota, South Dakota, **Colorado, New Mexico,** Texas, **Nebraska, Oklahoma, Iowa, Arkansas, Louisiana, Mississippi, Alabama**	E – Austin efileA.ems.irs.gov	Austin	Austin
Illinois, Minnesota, **Wisconsin, Michigan, Indiana, Ohio, West Virginia, Missouri, Kansas**	F – Kansas City efileB.ems.irs.gov	Kansas City	Andover
Florida, Tennessee, **Kentucky, North Carolina, South Carolina, Georgia,** APO/FPO Miami Foreign and U.S. Possession addresses, returns containing U.S. Possession forms, Forms 2555/2555-EZ, Forms 8833, Form 8854 or Forms 8891	G – Philadelphia efileA.ems.irs.gov	Kansas City	Austin
California, Alaska, **Arizona, Hawaii, Idaho, Montana,** Nevada, **Oregon, Utah,** Washington, Wyoming, APO/FPO San Francisco	H – Fresno efileB.ems.irs.gov	Fresno	Austin
If Federal return only and the first two digits of the ERO's Electronic Filing Identification Number (EFIN) are:			
01,02,03,04,05,06,11,13,14,16,20,22,23,25,51, 52,54,78	C – Andover efileA.ems.irs.gov	Andover	Andover
42,45,46,47,63,64,71,72,73,74,75,76,80,84,85	E – Austin efileA.ems.irs.gov	Austin	Austin
15,31,34,35,36,37,38,39,40,41,**43**,**48**,55	F – Kansas City efileB.ems.irs.gov	Kansas City	Andover
50,56,57,58,59,60,61,62,65,66,67,98	G – Philadelphia efileA.ems.irs.gov	Kansas City	Austin
30,33,68,77,81,82,83,86,87,88,91,92,93,94,95, 96,99	H – Fresno efileB.ems.irs.gov	Fresno	Austin

*Site Designators are entered in the TRANA Record
Fed/State Participants are shown in bold print

SECTION 1 - DATA COMMUNICATION

After pre-processing on the FEPS, the returns will be routed to their appropriate UNISYS machines at the ECC located at Martinsburg. All inquiries regarding transmission, rejects, problems, and PATS should be directed to ANSPC, or AUSPC as appropriate, by calling the toll-free *e*-Help Desk number at 1-866-255-0654. All inquiries regarding PATS should be directed to ANSPC and AUSPC as appropriate, by calling the toll-free *e*-Help Desk number.

NOTE: Transmitters who elect to use high-speed lines or expect to handle a large volume of electronic returns may request to lease their own dedicated line(s) at either the ECC located at Martinsburg. They must arrange to lease and install the lines and purchase modems or routers at both ends. See Appendix C - Digital Service Information.

NOTE: Transmitters who wish to file through their Internet Service Provider (ISP) must acquire *e*-file software that incorporates Secure Socket Layer (SSL) with a telnet/s protocol and the interface to the IRS gateway to the FEPS. See Appendix C - Internet Service information.

NOTE: The FEPS uses a menu driven interface. The IRS systems are designed to handle large volume transmissions. The practice of transmitting many small batches saturates the indices and degrades the systems. It is recommended that Internet transmitters should file no more than 500 returns per transmission in case the session terminates prior to completion. If fewer than 500 returns are to be transmitted, it is recommended these returns be filed not more than once per drain. (See processing schedule on www.irs.gov)

Dedicated, leased line transmitters may file up to 10,000 returns per transmission (Return Sequence Numbers 0000-9999); **if fewer** than 10,000 returns, the IRS recommends filing once per drain. Peak filing occurs around the "drain" times, which are posted on the Electronic Filing Bulletin Board System and the *e*-file professional page at www.irs.gov.

(859) 292-0137 - **not** a toll-free call)

To assist transmitters in scripting automated logins and transmissions, see Appendix F.

NOTE: Please note that additional text has been added throughout Section 1 which incorporates information retrieved from the Trading Partners Users Manual. The additional text, beginning with Subsection 9, was extensive and does not contain change marks at the end of the lines however, the text is bolded.

SECTION 1 – DATA COMMUNICATION

.01 IRS Front-end Processing Subsystem (FEPS)

1. FILE TRANSFER PROTOCOLS CHARACTER CODE AND FILE COMPRESSION

a. File Transfer Protocols
   (1) FTP (with special permission – see note above)
   (2) XMODEM-1K
   (3) YMODEM-Batch
   (4) ZMODEM

Transmitters may use any telecommunications software that is compatible with the above file transfer protocols.

b. Character Codes
   American Standard Code for Information Interchange (ASCII)

c. File Compression
   COMPRESS
   GZIP (Freeware available from www.gzip.org)

NOTE: IRS does not support WINZIP or PKZIP.

2. TRADING PARTNER/TRANSMITTER INTERFACE (TPI)

The Trading Partner/Transmitter Interface (TPI) of the Front-End Processing Subsystem (FEPS) has two components: the Operating System Interface (OSI) and the Electronic Filing Systems Interface (EFSI). The OSI and EFSI prompts and messages are in upper/lower case. **The delete key (if the TP's terminal emulation software sends X'7F') or simultaneously entering the Control ("Ctrl") and Backspace keys** may be used to correct a mistake while entering the login identification and password, (OSI interface). After successful login, the transmitter can use the Backspace key (also generated by simultaneously entering the Control ("Ctrl") and "h" keys), (EFSI interface). All responses may be in upper or lower case EXCEPT the **login identification and password**, which are case-sensitive and must be entered with the exact case as it appears in the letter with your password and in the Transmitters Profile DataBase (TPDB).

All responses are echoed back except the password. On default prompts, the cursor will be to the right of the **colon and blank** (": ").

3. TRANSMITTER PROFILE DATABASE (TPDB)

The Transmitter Profile DataBase (TPDB) keeps track of the sequence number for the ETIN to date. The sequence number is in the Acknowledgement Reference File Name on the FEPS. The Acknowledgement Reference File Name is composed of MMDDnnnn. The 4-digit sequence number represents the number of the transmissions to date for that ETIN. The Acknowledgement Reference File Name as well as ETIN, Julian Day and 2-digit sequence number for the Julian Day, and FEPS-assigned Global Transaction Key (GTX Key) are linked to your Acknowledgement files and can be searched by the e-Help Desk Staff Assistors to research the status of a transmission.

SECTION 1 – DATA COMMUNICATION

.01 IRS Front-end Processing Subsystem (FEPS)

4. ASYNCHRONOUS COMMUNICATIONS TRANSMITTER INTERFACE

After dialing the assigned telephone number to the FEPS, the transmitter must first enter the carriage return <cr> character, which typically can be generated by simultaneously entering the Control ("Ctrl") and "**m**" keys. This alerts the Operating System to transmit an ASCII login prompt.

NOTE: Turn off call waiting (*70) before logging onto the FEPS to avoid aborted sessions. **(Check with your phone company to verify use of *70 to disable call waiting).**

5. EXAMPLES

In the examples below, boldface text indicates information sent by the transmitter. The system will echo transmitter input and send a carriage return "**<cr>**", followed by line feed "**<lf>**" after receipt of a "**<cr>**" from the transmitter.

6. SUSPENDED TRANSMITTER

A suspended transmitter will be allowed to log into EMS to continue to receive Acknowledgements, but will not be allowed to transmit. See Section 1-Data Communication .01.**11**.a.

7. VIRUS DETECTION PROCEDURES FOR E-FILED TRANSMISSIONS FOR TRADING PARTNERS

a. Beginning with participants testing in 2003, the Front-End Processing System (FEPS) will scan every transmission.

b. If a virus is detected, FEPS will quarantine the file and immediately put a transmission Suspend Indicator on the Trading Partner (TP)'s profile.

c. While online, the TP (transmitter) will see "SUSPENDED", but will be permitted to pick up Acknowledgement Files.

d. The FEPS will create a Communications Error Message in a Communications Error Acknowledgement File, which will be in XML format, with the message VIRUS DETECTED and the name of the virus.

e. The next time the TP logs in, the TP will receive this ACK file, but will not be able to transmit. The TP can continue to pick up all ACK Files.

f. TP must remove infected data and call the appropriate e-Help Desk (e-HD) at 1-866-225-0654 (toll free) when ready to re-transmit.

g. The e-HD will remove the Suspend Indicator so that the TP can re-transmit the file and begin transmitting new files.

h. If another virus is detected, everything above will happen again.

8. LOGON VALIDATION SPECIFICATIONS

a. Transmission Inactivity

Any period of inactivity for 60 seconds will cause the line to be disconnected. It is assumed that the line is bad or that there are problems in transmission, so the line is disconnected to prevent the transmitter from being charged by the long-distance carrier for an inactive open line.

b. Changing File Transfer Protocol Indicator (FTP)

The File Transfer Protocol indicated by the Trading Partner is shown by menu item number 3 in brackets. If the Trading Partner has not specified a protocol, Z-modem is assigned as a default protocol. A Trading Partner can choose menu Item 3 to change protocol.

c. Changing File Compression

The FEPS assigns by default no compression on the file transfer. If the Trading Partner wants to use UNIX compression or GZIP compression, this can be selected from menu Item 4. See Exhibit 4-11.

9. IMF TRADING PARTNER (1040 and ETD) SESSION EXAMPLE

The following discussion describes how a Trading Partner (TP) who files Forms 1040 and ETDs will interact with the FEPS. The figures are formatted for a word processing document and do not necessarily display the exact spacing that is used by the FEPS.

Note: Password **rules can be found in Appendix G.**

The following discussion describes how a TP logs on to the system. When a TP connects to EMS, the "Authorized Use" banner shown in Exhibit 3-1 is displayed.

```
WARNING!  THIS SYSTEM IS FOR AUTHORIZED USE ONLY!

This computer system is the property of the United States Government.
The Government may monitor any activity on the system and retrieve
any information stored within the system.  By accessing and using
this system, you are consenting to such monitoring and information
retrieval for law enforcement and other purposes.  Users should have
no expectation of privacy as to communication on or stored within
the system, including information stored locally on the hard drive
or other media in use within the unit (e.g., floppy disks, tapes,
CD-ROM, etc.).
```

Exhibit 3-1 Authorized Use Banner

.01 IRS Front-end Processing Subsystem (FEPS)

The TP is then prompted for his/her login id and password as shown in Exhibit 3-2. (Note: Not only will the password not be displayed, but also there will be no indication of how many characters the TP has typed).

```
login: 00000000
Password:
```

Exhibit 3-2 Login and Password Prompts

a. SUCCESSFUL LOGIN - NO PASSWORD CHANGE REQUIRED

If the TP successfully logs on and the TP's password will expire in seven days or less, then the message shown in Exhibit 3-3 is displayed and processing continues. (Note that "N" will be replaced by the number of days remaining until the password must be changed).

```
Password must be changed in N day(s).
```

Exhibit 3-3 Password Change in N Days

If there are more than seven days until the password expires, then processing continues as described in Section 1-Data Communication .01.9.e.

b. SUCCESSFUL LOGIN - PASSWORD CHANGE REQUIRED

There are times when a TP correctly supplies his/her **EMS** login id and password, but is required to change his/her password before proceeding. These include:

- the TP first logs in
- the TP's current password has expired **after 90 days**
- the TP's password has been reset by an EMS system administrator as a result of the TP contacting their Home Submission Processing Center (SPC) EMS e-Help Desk

When any of these situations occur, the TP is prompted to enter a new password and to confirm his/her new password by re-entering it as shown in Exhibit 3-4.

```
Enter new password:
Re-enter new password:
```

Exhibit 3-4 New Password Prompts

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the TP's responses meet the rules for changing the password (refer to Appendix G for rules regarding passwords), the password is changed and the message shown in Exhibit 3-5 is displayed. The TP will subsequently use the new password to log into either EMS processing center. Processing then continues as described in Section 1-Data Communication .01.9.e.

```
Password changed.
```

Exhibit 3-5 Password Change Confirmation

However, if the TP's responses to the password prompts do not meet the rules for changing the password, then an error message is displayed. A TP is given at most three tries to change his/her password.

If the TP does not enter the same password in response to the "Enter new password" and "Re-enter new password" prompts, then the password is not changed and the message shown in Exhibit 3-6 is displayed. If the TP has unsuccessfully attempted to change his/her password less than three times, he/she is prompted for his/her new password as shown in Exhibit 3-4. If this is the third unsuccessful attempt, then the TP is disconnected.

```
New passwords don't match.
```

Exhibit 3-6 Unmatched New Passwords Message

If the TP enters a new password that does not meet the rules, then the password is not changed and the message shown in Exhibit 3-7 is displayed. If the TP has unsuccessfully attempted to change his/her password less than three times, he/she is prompted for his/her new password as previously shown in Exhibit 3-4. If this is the third unsuccessful attempt, the TP is disconnected.

```
Password rule(s) have not been met.
```

Exhibit 3-7 Password Rule Violation Message

If the TP has concurrent sessions, only one can change the password. If the TP attempts to change his/her password in more than one session, only one will be allowed and the message shown in Exhibit 3-8 is displayed to the other session(s) and the TP is disconnected.

```
Login failed.  Another session is trying to change the password.
```

Exhibit 3-8 Another Login Session Changing Password Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

If a system error occurs during the change password operation, the password may or may not be changed. The message shown in Exhibit 3-9 is displayed and the TP is disconnected. The TP may need to try both his/her old and new passwords on his/her next login.

```
System error.
```

Exhibit 3-9 System Error Message

c. Unsuccessful Logon

After each unsuccessful login attempt due to the TP entering an incorrect **EMS** login id or password, the system displays the message shown in Exhibit 3-10.

```
Login incorrect
```

Exhibit 3-10 Login Incorrect Message

After each unsuccessful login attempt, the system displays "Login incorrect." After three consecutive unsuccessful login attempts, the TP is disconnected. After six consecutive unsuccessful login attempts (in two or more consecutive sessions) the TP's account is disabled. Once the account has been disabled, any attempt to login to the account causes the system to display the message "This account is currently disabled" and the login attempt fails. If this happens, the TP should contact the Home Submission Processing Center (SPC) EMS Help Desk.

```
This account is currently disabled.
```

Exhibit 3-11 Disabled Account Message

d. EMS Unavailable

If the EMS application is not available when the TP attempts to login, one of two messages is displayed after the login id and password prompts. If EMS is unavailable because of scheduled down time, the message shown in Exhibit 3-12 is displayed and the TP is disconnected.

```
EFS is currently unavailable. Additional information may be
available on IRS quick alerts.
```

Exhibit 3-12 EFS Unavailable Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the EMS application is unavailable for unscheduled reasons, the message shown in Exhibit 3-13 is displayed and the TP is disconnected.

```
EFS is busy.  Wait at least 10 minutes, then retry.
```

Exhibit 3-13 EFS Busy Message

e. EMS Main Menu Processing

Once the TP has successfully completed the login process (including changing his/her password, if necessary), the "last login" message is displayed as shown in the Exhibit 3-14.

```
Last login: Tue Sep 4 10:39:31 from computername
```

Exhibit 3-14 Last Login Message

The "Official Use" banner shown in Exhibit 3-15 is then displayed.

```
-------------------------------------------------------
             F O R   O F F I C I A L   U S E   O N L Y

                      #    #####    ####
                      #    #    #  #
                      #    #    #   ####
                      #    #####        #
                      #    #   #   #    #
                      #    #    #   ####

                    U.S. Government computer

             F O R   O F F I C I A L   U S E   O N L Y
-------------------------------------------------------
```

Exhibit 3-15 "Official Use" Banner

.01 IRS Front-end Processing Subsystem (FEPS) continued

Next the Main Menu is displayed. The list of choices depends on whether the TP is a State TP or not. The Main Menu for non-State TPs is shown in Exhibit 3-16 while the Main Menu for State TPs is shown in Exhibit 3-17. Since most TPs are not State TPs the Main Menu exhibits in the remainder of this document except for Section 1-Data Communication .01.15 will look like Exhibit 3-16.

From the Main Menu, the non-State TP can now choose to receive acknowledgment files and transmit a file, change the protocol and/or compression settings, request a Transmission Status Report, change his/her password, or end the session. Whenever the TP completes a process initially selected from the Main Menu other than Logoff, he/she is returned to the Main Menu screen.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [ZMODEM]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password

Enter your choice:
```

Exhibit 3-16 Initial Main Menu for Non-State TP

From the Main Menu, the State TP can now choose to receive acknowledgment files and transmit a State Ack file, change the protocol and/or compression settings, request a Transmission Status Report, change his/her password, request the State Return Menu to perform the State functions described in Section 1-Data Communication .01.9.e., or end the session. Whenever the State TP completes a process initiated by menu items 2-6, he/she is returned to the Main Menu screen. Whenever the State TP chooses to exit the State Return Menu, he/she is returned to the Main Menu.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password
7) Shown State Return Menu

Enter your choice:
```

Exhibit 3-17 Initial Main Menu for State TP

.01 IRS Front-end Processing Subsystem (FEPS) continued

For all TPs, the current file transfer protocol is displayed in brackets next to the "Change File Transfer Protocol" menu item. Likewise, the TP's current compression method is displayed in brackets next to the "Change Compression Method" menu item. The possible file transfer protocols and compression method values are identified in

Section 1-Data Communication .01.10.a-b., where the "File Transfer Protocols" and "File Compression Methods" menus are discussed.

It should be noted that a TP's initial compression method is "NONE." Since the EMS does not auto-sense compressed files, a TP must select a compression method before submitting compressed files. If the TP has selected a compression method, his/her acknowledgment files and Transmission Status Report are compressed and returned using the selected compression method.

At any prompt, if the TP does not respond in 60 seconds the following message is displayed: "DISCONNECTING FROM EFS." and the TP is disconnected.

If the TP enters a character that is not one of the listed number choices, i.e., is not 1-6 for non-State TPs or is not 1-7 for State TPs, then an invalid menu selection message along with the Main Menu is displayed. An example is provided in Exhibit 3-18. If the TP fails to make a valid selection in three attempts, the TP is disconnected.

```
     MAIN MENU

     1) Logoff
     2) Receive/Send File(s)
     3) Change File Transfer Protocol [ZMODEM]
     4) Change Compression Method [NONE]
     5) Request Transmission Status Report
     6) Change Password

Enter your choice:  8


Invalid menu selection.  Try again.

     MAIN MENU

     1) Logoff
     2) Receive/Send File(s)
     3) Change File Transfer Protocol [ZMODEM]
     4) Change Compression Method [NONE]
     5) Request Transmission Status Report
     6) Change Password

Enter your choice:
```

Exhibit 3-18 Invalid Main Menu Selection

10. CHANGING SETTINGS

This section explains how to change the TP's communication protocol and compression settings.

*a. **Changing the Transmission Protocol***

To change the transmission protocol, the TP chooses "Change File Transfer Protocol" as shown in Exhibit 4-1.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [ZMODEM]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password

Enter your choice:  3
```

Exhibit 4-1 Choosing Change File Transfer Protocol

When the TP chooses "Change File Transfer Protocol," the menu shown depends on whether or not the TP has been approved to use the FTP protocol (see Appendix C for FTP usage). If the TP cannot use the FTP protocol, the menu shown in Exhibit 4-2 is displayed. Brackets frame the TP's current file transfer protocol. The TP's initial setting is "ZMODEM."

```
FILE TRANSFER PROTOCOLS MENU

1) Return to MAIN MENU
2) [ZMODEM]
3) XMODEM-1K
4) YMODEM BATCH

Enter your choice:
```

Exhibit 4-2 Initial File Transfer Protocol Menu Display without FTP

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the TP has been approved to use the FTP protocol, he/she must provide certain configuration information to the IRS before being able to use FTP. Once the TP's FTP configuration information has been added to the EMS system, then the menu shown in Exhibit 4-3 is displayed.

```
                FILE TRANSFER PROTOCOLS MENU

             1) Return to MAIN MENU
             5) [ZMODEM]
             6) XMODEM-1K
             7) YMODEM BATCH
             8) FTP

           Enter your choice:
```

Exhibit 4-3 Initial File Transfer Protocol Menu Display with FTP

The TP can change the protocol or return to the Main Menu. Exhibit 4-4 demonstrates the TP changing his/her file transfer protocol to FTP.

```
          FILE TRANSFER PROTOCOLS MENU

          1) Return to MAIN MENU
          2) [ZMODEM]
          3) XMODEM-1K
          4) YMODEM BATCH
          5) FTP

     Enter your choice: 5
```

Exhibit 4-4 Changing File Transfer Protocol to FTP

After the TP selects a protocol, the Main Menu is redisplayed with the selected protocol in brackets as shown in Exhibit 4-5. This protocol setting is saved and is used for all future incoming/outgoing file transfers unless the TP changes the protocol again.

```
          MAIN MENU

          1) Logoff
          2) Receive/Send File(s)
          3) Change File Transfer Protocol [FTP]
          4) Change Compression Method [NONE]
          5) Request Transmission Status Report
          6) Change Password

     Enter your choice:
```

Exhibit 4-5 Redisplay of Main Menu after Protocol Change

.01 IRS Front-end Processing Subsystem (FEPS) continued

While in the File Transfer Protocols Menu, any character other than one of the menu number choices is considered invalid (as shown in Exhibit 4-6).

```
                FILE TRANSFER PROTOCOLS MENU

                1) Return to MAIN MENU
                2) [ZMODEM]
                3) XMODEM-1K
                4) YMODEM BATCH
                5) FTP

           Enter your choice:  0
```

Exhibit 4-6 Invalid File Transfer Protocol Menu Selection

If the TP enters an invalid character, an invalid menu selection message along with the File Transfer Protocols Menu is displayed as shown in Exhibit 4-7. If the TP fails to make a valid selection in three attempts, the TP will be disconnected.

```
           Invalid menu selection.  Try again.

                 FILE TRANSFER PROTOCOLS MENU

                 1) Return to MAIN MENU
                 2) [ZMODEM]
                 3) XMODEM-1K
                 4) YMODEM BATCH
                 5) FTP

           Enter your choice:
```

Exhibit 4-7. Invalid File Transfer Protocol Menu Selection Error Message

After the TP chooses a valid option from the File Transfer Protocols Menu or chooses "Return to MAIN MENU," the Main Menu is redisplayed with the newly chosen protocol in brackets (Exhibit 4-8).

```
          MAIN MENU

          1.  Logoff
          2.  Receive/Send File(s)
          3.  Change File Transfer Protocol [FTP]
          4.  Change Compression Method [NONE]
          5.  Request Transmission Status Report
          6.  Change Password

      Enter your choice:
```

Exhibit 4-8 Redisplay of Main Menu after Protocol Change

The TP can choose any menu item to continue or choose Logoff to end the session.

.01 IRS Front-end Processing Subsystem (FEPS) continued

b. Changing the Compression Method

To change the compression method, the TP chooses "Change Compression Method" from the Main Menu as shown in Exhibit 4-9.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password

Enter your choice:  4
```

Exhibit 4-9 Choosing Change Compression Method

Note: The two supported compression methods are gzip (a freeware program available at www.gzip.org) and compress (a Unix compression utility). If the TP chooses 3) GZIP or 4) COMPRESS and sends a file that was compressed using PKZIP file format 2.04g, EMS is able to decompress the file. EMS Ack files that are returned to the TPs are named based on the compression method chosen. For example, a TP sends in a file named abc.zip compressed with PKZIP 9 and chooses option 3) GZIP. The Ack file returned will have the extension beginning with .GZ. See Exhibit A-1 in Appendix A for the complete list of possible Ack file names. PKZIP and WINZIP will then decompress these files successfully. PKZIP 9 and WINZIP 9 were both successfully tested with EMS. EMS does not support the use of PKZIP's new encryption capabilities because of the "key management" issue.

```
FILE COMPRESSION METHODS MENU

1) Return to MAIN MENU
2) [None]
3) GZIP
4) COMPRESS

Enter your choice:  3
```

Exhibit 4-10 Initial File Compression Methods Menu Display

.01 IRS Front-end Processing Subsystem (FEPS) continued

The TP can change his/her compression method or return to the Main Menu. Exhibit 4-11 demonstrates the TP changing his/her compression method to gzip.

```
FILE COMPRESSION METHODS MENU

1) Return to MAIN MENU
2) [None]
3) GZIP
4) COMPRESS


Enter your choice:  3
```

Exhibit 4-11 Changing Compression Method to GZIP

After the TP chooses a compression method, the Main Menu is redisplayed with the selected method framed by brackets as shown in Exhibit 4-12. This compression method setting is saved and is used for all future incoming/outgoing file transfers unless the TP changes the compression method again. The TP's initial setting is "None." Before using compression, the TP must select a method from the File Compression Methods Menu. (If, after choosing the compression method, the TP sends a file and EMS fails to decompress it, the file is rejected and an error acknowledgment is sent to the TP. Refer to Appendix B for the format of this error acknowledgment).

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [GZIP]
5) Request Transmission Status Report
6) Change Password

Enter your choice:
```

Exhibit 4-12 Main Menu Display After Change Compression Method Menu

.01 IRS Front-end Processing Subsystem (FEPS) continued

While in the File Compression Methods Menu, any character other than one of the menu number choices is considered invalid shown in Exhibit 4-13.

```
FILE COMPRESSION METHODS MENU

1) Return to MAIN MENU
2) [None]
3) GZIP
4) COMPRESS

Enter your choice:  5
```

Exhibit 4-13 Invalid File Compression Menu Selection

If the TP enters an invalid character, an invalid menu selection message along with the File Compression Methods Menu is displayed as shown in Exhibit 4-14. If the TP fails to make a valid selection in three attempts, the TP is disconnected.

```
Invalid menu selection.  Try again.

FILE COMPRESSION METHODS MENU

1) Return to MAIN MENU
2) None
3) [GZIP]
4) COMPRESS

Enter your choice:
```

Exhibit 4-14 Invalid File Compression Methods Menu Selection Response

.01 IRS Front-end Processing Subsystem (FEPS) continued

After the TP chooses a valid option from the File Compression Methods Menu or chooses "Return to MAIN MENU," the Main Menu is redisplayed with the newly chosen compression method in brackets (Exhibit 4-15).

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [GZIP]
5) Request Transmission Status Report
6) Change Password

Enter your choice:
```

Exhibit 4-15 Main Menu Display After Change Compression Method Menu

The TP can now choose any menu item to continue or choose Logoff to end the session.

11. RECEIVING ACKNOWLEDGMENTS

From the Main Menu, the TP receives acknowledgment files and/or transmits a file by choosing "Receive/Send File(s)." This section discusses receiving acknowledgment files, and Section 1-Data Communication .01.12. discusses sending files to the EMS System.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [GZIP]
5) Request Transmission Status Report
6) Change Password

Enter your choice:  2
```

Exhibit 5-1 Choosing Receive/Send File(s)

.01 IRS Front-end Processing Subsystem (FEPS) continued

When the TP chooses the "Receive/Send File(s)" menu item, the EMS TP Interface software checks to see if there are acknowledgment files to be sent to the TP. If there are no acknowledgment files, the message in Exhibit 5-2 is displayed and processing continues as discussed in Section 1-Data Communication .01.12. This allows TPs to submit files even if there are no acknowledgment files waiting delivery.

```
Number of Acknowledgment File(s) in outbound mailbox: 000
```

Exhibit 5-2 Zero Acknowledgment File Display

If there are acknowledgment files, the text shown in Exhibit 5-3 is displayed. The message shows the number of acknowledgment files waiting delivery to the TP. All acknowledgment files waiting delivery to the TP are delivered before the TP can submit a file. The count of acknowledgment files is updated every time the TP selects item 2) Receive/Send File(s), from the Main Menu. Additional acknowledgment files that were generated during the session are reflected in this count.

```
Number of Acknowledgment File(s) in outbound mailbox: 003

Are you ready to receive files? Y/[N]: Y or y
```

Exhibit 5-3 One or More Acknowledgment Files Display

If the TP enters anything other than "Y" or "y," the Main Menu as shown in Exhibit 5-1 is redisplayed. If the TP fails to respond affirmatively three consecutive times he/she is disconnected.

If the TP responds to the prompt affirmatively, a message notifying the TP that the file transfer is about to begin is displayed. The message depends on the protocol being used. For Zmodem, Xmodem or Ymodem, the message in Exhibit 5-4 is displayed. For FTP, the message shown in Exhibit 5-5 is displayed. The file transfer begins after the appropriate notice.

```
EFS ready for modem download.
```

Exhibit 5-4 Modem Download Notice

```
Putting File(s) by FTP.
```

Exhibit 5-5 FTP "Putting Files" Notice

.01 IRS Front-end Processing Subsystem (FEPS) continued

All acknowledgment files are sent as separate files. If the TP is also using compression, each file is separately compressed. (See Appendix A for a description of acknowledgment file names).

If the TP interface software detects that the transmission did not complete successfully, the message in Exhibit 5-6 is displayed followed by the Main Menu (Exhibit 5-1). If this happens three times in a row, the TP will be disconnected.

```
Error transmitting Acknowledgement File(s).
```

Exhibit 5-6 Acknowledgment File Transmission Error Message

If the TP interface software does not detect an error, the message shown in **Exhibit 5-7** is displayed.

```
Acknowledgement File(s) transmission complete.
```

Exhibit 5-7 Acknowledgement File Transmission Complete Message

a. Suspended Transmitter Message

Next, the TP is asked if he/she wants to send a file. Section 6 discusses sending files. After the receive acknowledgment process has completed, if the TP has been suspended, he/she is not allowed to transmit new files. Instead, the message "SUSPENDED TRANSMITTER/ETIN" is displayed, and the TP is disconnected from EMS (Exhibit 5-8).

```
SUSPENDED TRANSMITTER/ETIN.
Disconnecting from EFS.
```

Exhibit 5-8 Suspended TP Message

A suspended transmitter is allowed to log on to the EMS to continue to receive Acknowledgements but not allowed to transmit. Suspension occurs for the following reasons:

- Submission of a file with a virus (refer to Appendix B)
- **Submission of a file with an XML threat (refer to Appendix B)**
- Suspension by tax examiner for procedural reasons

Should this occur, the TP must contact the Home SPC EMS e-Help Desk to inquire about of the suspended status.

12. SENDING FILES

This section describes the process of transmitting files to EMS. It details the messages and prompts for TPs registered **as transmitters.**

a. Starting the Send Process

After the receive acknowledgements process has completed, or if there are no acknowledgment files to receive, the TP is asked if he/she wants to send a file as shown in Exhibit 6-1.

```
Do you want to send a file? Y/[N]: Y or y
```

Exhibit 6-1 Send Tax Return File Prompt

If the TP enters anything other than "Y" or "y," the Main Menu as shown in Exhibit 5-1 is redisplayed. If there are no acknowledgment files for the TP to receive and the TP fails to respond affirmatively three times in a row, the TP is disconnected.

Otherwise, the next prompt depends on the file transfer protocol being used. If the TP is using Zmodem, Ymodem, or Xmodem, he/she is prompted to start the file transfer as shown in Exhibit 6-2.

```
Enter an upload command to your modem program now.
```

Exhibit 6-2 Modem Upload Prompt

If the TP is using the FTP protocol, he/she is prompted to supply a file name as shown in Exhibit 6-3. After supplying the file name the TP is notified that the FTP transfer is beginning. This notice is also shown in Exhibit 6-3.

```
Enter the LOCAL name of the file you are sending from your
system: myfile

Getting file by FTP.
```

Exhibit 6-3 FTP File Name Prompt

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the TP responds to the filename prompt in Exhibit 6-3 with only a carriage return (<CR>), then the notice shown in Exhibit 6-4 is displayed. If the TP responds with only a <CR> three times in a row, the TP is disconnected.

```
Invalid file name.

Enter the LOCAL name of the file you are sending from your
system: <CR>
```

Exhibit 6-4 Invalid File Name Message

Once the TP has been notified that the file transfer is beginning (Exhibit 6-2 or 6-3), the TP has 60 seconds to begin his/her file transfer. If the EMS does not receive at least part of the TP's file within 60 seconds, the TP is disconnected.

If the TP Interface software detects that the transmission did not complete successfully, the message in Exhibit 6-5 is displayed followed by the Main Menu. If this happens three consecutive times, the TP is disconnected.

```
Error receiving file.  You must send it again.
```

Exhibit 6-5 Transmission Receipt Error Message

If the TP Interface software does not detect an error, the prompts displayed vary depending on how the TP is registered and how the TP is sending the file (as either transmitter or reporting agent). These prompts are described in the sections below. See Section 1-Data Communication .01.12 for a description of TP registration types.

b. Sending as Transmitter

If the TP Interface software does not detect an error, the transmission confirmation message shown in Exhibit 6-6 is displayed followed by the Main Menu (Exhibit 6-7). If the TP hangs up without receiving the confirmation message, there is no guarantee that the EMS will process the file(s).

The transmission confirmation message contains the Global Transaction Key (GTX Key) and the reference file name. The GTX Key is the unique identifier assigned by the EMS to the file sent by the TP, and is used to track the processing of the file and its subsequent acknowledgment. The reference file name is used when constructing the name of the acknowledgment file delivered to the TP. (See Appendix A for a description of the GTX Key and its relationship to the reference file name.)

```
Transmission file has been received with the following
GTX Key:

         S20041020123423.1700                10200001
```

Exhibit 6-6 Transmission Confirmation Message Display

The Main Menu is displayed again as shown in Exhibit 6-**7**. The TP can choose any menu item to continue or Logoff to end the session.

```
        MAIN MENU

        1) Logoff
        2) Receive/Send File(s)
        3) Change File Transfer Protocol [FTP]
        4) Change Compression Method [GZIP]
        5) Request Transmission Status Report
        6) Change Password

    Enter your choice:
```

Exhibit 6-7 Main Menu Display

See Section 1-Data Communication .01.17, Exhibit 11-1 for an example of a complete session.

13. REQUEST TRANSMISSION STATUS REPORT

A Transmission Status Report may be requested from the Main Menu shown in Exhibit 7-1. Examples of Transmission Status Reports are contained in Appendix D. A transmission status report will show the status of all transmissions submitted by the TP since 12:00 a.m. five days ago. For State TPs the report also shows the status of all state acknowledgments that have been received and redirected to other TPs since 12:00 a.m. five days ago. Only one report may be requested per TP session. The report is returned to the TP in an HTML format file that is suitable for viewing with a Web browser after the TP session completes.

```
        MAIN MENU

        1) Logoff
        2) Receive/Send File(s)
        3) Change File Transfer Protocol [FTP]
        4) Change Compression Method [GZIP]
        5) Request Transmission Status Report
        6) Change Password

    Enter your choice:  5
```

Exhibit 7-1 Choosing Request Transmission Status Report

.01 IRS Front-end Processing Subsystem (FEPS) continued

When the TP chooses the "Request Transmission Status Report" menu item, a message notifying the TP that the report transfer is about to begin is displayed. The message depends on the protocol being used. For Zmodem, Xmodem, or Ymodem, the message in Exhibit 7-2 is displayed. For FTP, the message shown in Exhibit 7-3 is displayed. The file transfer will begin after the appropriate message.

```
EFS ready for Report download.
```

Exhibit 7-2 Modem Download Message

```
Putting Report by FTP.
```

Exhibit 7-3 FTP "Putting Report File" Message

If the TP has selected compression, the report is compressed. (See Appendix D for a description of Transmission Status Report file names.)

If the TP Interface software detects that the transmission did not complete successfully, the message in Exhibit 7-4 is displayed followed by the Main Menu. If this happens three times in a row, the TP is disconnected.

```
Error transmitting Report File.
```

Exhibit 7-4 Report File Transmission Error Message

If the TP Interface software does not detect an error, the message shown in Exhibit 7-5 is displayed.

```
Report File transmission complete.
```

Exhibit 7-5 Report File Transmission Complete Message

After the file transfer has completed, the Main Menu is redisplayed.

TPs can make only one report request per session. If the TP tries to request a report again, the message shown in Exhibit 7-6 is displayed followed by the Main Menu. If this happens three times in a session, the TP is disconnected.

```
Only one Report request allowed.
```

Exhibit 7-6 Report Request Error

.01 IRS Front-end Processing Subsystem (FEPS) continued

14. CHANGING PASSWORD

TPs are responsible for maintaining their passwords. When a TP changes his/her password at one EMS processing center, it will be propagated to the other EMS processing center. Therefore, a TP should only execute the change password procedures once per new password.

To change his/her password, the TP chooses "Change Password" as shown in Exhibit 8-1.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [ZMODEM]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password

Enter your choice:  6
```

Exhibit 8-1 Choosing "Change Password"

The TP is then prompted to enter his/her current password and to enter his/her new password twice as shown in Exhibit 8-2. Not only will the passwords not be displayed, but also there will be no indication of how many characters the TP has typed. The new password must meet the rules described in Appendix G.

```
Enter current password:
Enter new password:
Re-enter new password:
```

Exhibit 8-2 Current and New Password Prompts

If the TP's responses meet the rules for changing the password, the password is changed and the message shown in Exhibit 8-3 is displayed. The TP will now use the new password to log into any EMS processing center. The Main Menu is then redisplayed as shown in Exhibit 8-4.

```
Password changed.
```

Exhibit 8-3 Password Change Confirmation

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [ZMODEM]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password

Enter your choice:
```

Exhibit 8-4 Redisplay of Main Menu

If the TP's responses to the password prompts do not meet the rules for changing the password, then an error message is displayed. A TP is given at most three tries per session to change his/her password.

If the TP incorrectly enters his/her current password, the password is not changed and the message shown in Exhibit 8-5 is displayed. If the TP has unsuccessfully attempted to change his/her password less than three times, he/she is prompted for his/her current and new passwords as previously shown in Exhibit 8-2. If this is the third unsuccessful attempt, then the Main Menu is redisplayed as previously shown in Exhibit 8-4.

```
Incorrect current password.
```

Exhibit 8-5 Incorrect Current Password Message

If the TP does not enter the same password in response to the "Enter new password" and "Re-enter new password" prompts, then the password is not changed and the message shown in Exhibit 8-6 is displayed. If the TP has unsuccessfully attempted to change his/her password less than three times, he/she is prompted for his/her current and new passwords as previously shown in Exhibit 8-2. If this is the third unsuccessful attempt, then the Main Menu is redisplayed as previously shown in Exhibit 8-4.

```
New passwords don't match.
```

Exhibit 8-6 Unmatched New Passwords Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the TP enters a new password that does not meet the rules identified in Appendix G, then the password is not changed and the message shown in Exhibit 8-7 is displayed. If the TP has unsuccessfully attempted to change his/her password less than three times, he/she is prompted for his/her current and new passwords as previously shown in Exhibit 8-2. If this is the third unsuccessful attempt, then the Main Menu is redisplayed as shown in Exhibit 8-4.

```
Password rule(s) have not been met.
```

Exhibit 8-7 Password Rule Violation Message

If it has been less than seven days since the last time the TP changed his/her password, then the password is not changed and the message shown in Exhibit 8-8 is displayed. The TP is then returned to the Main Menu as previously shown in Exhibit 8-4. If it has been less than seven days and the TP needs to change his/her password, he/she should contact his/her Home SPC EMS e-Help Desk.

```
Less than 7 days from last change. Password not changed.
```

Exhibit 8-8 Less Than 7 Days Message

If the TP has concurrent sessions, only one can change the password. If the TP attempts to change his/her password in more than one session, only one will be allowed and the message shown in Exhibit 8-9 is displayed to the other session(s). After this message is displayed, the TP is returned to the Main Menu as previously shown in Exhibit 8-4.

```
Password not changed. Another session is trying to change the
password.
```

Exhibit 8-9 Another Session Changing Password Message

If a system error occurs during the change password operation, the password may or may not be changed. The messages shown in Exhibit 8-10 are displayed and the TP's session is terminated. The TP may need to try both his/her current and new passwords on his/her next login.

```
System error.

DISCONNECTING FROM EFS.
```

Exhibit 8-10 System Error and Disconnecting Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

The TP can only choose the "Change Password" menu item once during a session. If the TP chooses the "Change Password" menu item more than once, the message shown in Exhibit 8-11 is displayed **immediately.** If this happens three times in a session, the TP is disconnected; otherwise the Main Menu is redisplayed as previously shown in Exhibit 8-4.

Note: You will not go through the password prompts for this scenario.

```
Can only choose Change Password once.
```

Exhibit 8-11 Change Password Once Message

Except in the case of a system error the Main Menu is displayed as previously shown in Exhibit 8-4 after the TP completes the change password process whether or not he/she was successful.

15. EXECUTING THE STATE RETURN MENU

When the trading partner is a State TP that can retrieve state return data, the Main Menu includes an additional option, "Show State Return Menu." The State TP chooses "Show State Return Menu" to retrieve state return data, reset state return files, or to generate a report.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [ZMODEM]
4) Change Compression Method [NONE]
5) Request Transmission Status Report
6) Change Password
7) Show State Return Menu

Enter your choice:
```

Exhibit 9-1 Main Menu with Show State Return Menu Option

.01 IRS Front-end Processing Subsystem (FEPS) continued

a. State Return Menu Unavailable

If the State TP selects "Show State Return Menu" from the Main Menu, and the State Return Menu is unavailable, one of two messages is displayed. If the State Return Menu is unavailable because of a scheduled down time, the message shown in Exhibit 9-2 is displayed and the State TP is returned to the Main Menu.

```
State Return Menu is currently unavailable.
Additional information may be available on IRS quick alerts.

     MAIN MENU

     1) Logoff
     2) Receive/Send File(s)
     3) Change File Transfer Protocol [ZMODEM]
     4) Change Compression Method [NONE]
     5) Request Transmission Status Report
     6) Change Password
     7) Show State Return Menu

Enter your choice:  7
```

Exhibit 9-2 State Return Menu Unavailable Message

If the State TP chooses "Show State Return Menu" from the Main Menu and the State Return Menu is busy, the message as shown in Exhibit 9-3 is displayed and the State TP is returned to the Main Menu.

```
State Return Menu is busy. Wait at least 10 minutes, then retry.

     MAIN MENU

     1) Logoff
     2) Receive/Send File(s)
     3) Change File Transfer Protocol [ZMODEM]
     4) Change Compression Method [NONE]
     5) Request Transmission Status Report
     6) Change Password
     7) Show State Return Menu

Enter your choice:  7
```

Exhibit 9-3 State Return Menu Busy Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

b. STATE RETURN MENU

When the State TP chooses "Show State Return Menu" from the Main Menu, the State Return Menu shown in Exhibit 9-4 is displayed.

```
STATE RETURN MENU

1) Return to MAIN MENU
2) Reset State File
3) Request State Files to Download Report
4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-4 State Return Menu

If the State TP enters a character that is not one of the listed number choices, then an invalid menu selection message along with the State Return Menu is displayed as shown in Exhibit 9-5. If the State TP fails to make a valid selection from the State Return Menu in three attempts, the State TP is disconnected.

```
Invalid menu selection.  Try again.

STATE RETURN MENU

1) Return to MAIN MENU
2) Reset State File
3) Request State Files to Download Report
4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-5 Invalid Menu Selection Message

After the State TP completes tasks on the State Return Menu and chooses "Return to MAIN MENU," the Main Menu is redisplayed (Exhibit 9-1). The State TP can continue selecting menu options or choose "Logoff" from the Main Menu to end the session.

c. Resetting A State File

When the State TP chooses "Reset State File" from the State Return Menu, the State TP is asked to enter the state file sequence number as shown in Exhibit 9-6.

```
Enter State File sequence number or press Enter to return to menu:
```

Exhibit 9-6 Reset State File Prompt

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the State TP depresses "Enter" without entering a state file sequence number, the State TP is returned to the State Return Menu (Exhibit 9-4). If the State TP enters a non-numeric entry, the State TP is returned to the State Return Menu after being informed of an invalid file sequence number entry as shown in Exhibit 9-7. If the State TP fails to enter a valid state file sequence number in three attempts, the State TP is disconnected.

```
Invalid file sequence number.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-7 Invalid File Sequence Number Message

If the State TP enters a valid state sequence number and the state file is successfully reset so that the state can download the file, a reset message is displayed that contains the state filename as shown in Exhibit 9-8.

```
Flag reset to allow downloading of requested State File
<filename>.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-8 State File Reset Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

If an error is detected when trying to reset the state file, one of the following messages is displayed followed by the State Return Menu (Exhibits 9-9, 9-10, 9-11, or 9-12):

```
Unable to locate requested State File <filename>.
State File <filename> not reset.
Please contact the IRS e-Help Desk for assistance.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-9 Unable to Locate State File Message

OR

```
System indicates requested State File <filename> has not been
sent.
State File <filename> not reset.
Please contact the IRS e-Help Desk for assistance.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-10 State File not Sent Message

OR

```
System indicates requested State File <filename> is in use.
State File <filename> not reset.
Please contact the IRS e-Help Desk for assistance.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-11 State File in Use Message

OR

```
Unable to locate information for requested State File
<filename>.
State File <filename> not reset.
Please contact the IRS e-Help Desk for assistance.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-12 Unable to Locate State File Information Message

If the State TP encounters errors three consecutive times when trying to reset the state file, the State TP is disconnected.

If the State TP reaches the limit for the number of state files that can be reset in one State Return Menu session (10 is the limit), and the State TP selects "Reset State File" from the State Return Menu, the message shown in Exhibit 9-13 is displayed followed by the State Return Menu.

```
Only ten State Files can be reset in one session.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-13 Ten State Files Reset Limit Message

d. Requesting a State Files to Download Report

Previously this report was automatically displayed during the state data retrieval session. When the State TP chooses "Request State Files to Download Report" from the State Return Menu and no state files are available to send to the State TP, the message shown in Exhibit 9-14 is displayed followed by the State Return Menu. If this happens three times in a row, the State TP is disconnected.

```
No State Files to download. No Report is available.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-14 No State Files to Download Report Message

When the State TP chooses "Request State Files to Download Report" from the State Return Menu, and there are state files to download, the State Files Download Report is transmitted to the State TP using the current default file transfer protocol and the compression method settings displayed on the Main Menu. A message notifying the State TP that the report transfer is about to begin is displayed. For Zmodem, Xmodem, or Ymodem, the message in Exhibit 9-15 is displayed. For FTP, the message shown in Exhibit 9-16 is displayed. The file transfer will begin after the appropriate notice.

```
Beginning Report download.
```

Exhibit 9-15 Modem Download Report Notice

```
Putting Report by FTP.
```

Exhibit 9-16 FTP Download Report Notice

If the State TP is using GZIP compression, the file will be named MMDDhhmm_SRS.gz. If the State TP is using COMPRESS compression, the file will be named MMDDhhmm_SRS.Z. If the State TP is not using compression, the file will be named MMDDhhmm_SRS.txt.

.01 IRS Front-end Processing Subsystem (FEPS) continued

If the report file transmission did not complete successfully, the message shown in Exhibit 9-17 is displayed followed by the State Return Menu. If this happens three times in a row, the State TP is disconnected.

```
Error transmitting Report File.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-17 Error Transmitting Report File Message

If the report file is transmitted successfully, the message shown in Exhibit 9-18 is displayed followed by the State Return Menu.

```
Report File transmission complete.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-18 Report File Transmission Complete Message

The State TP can make only one State Files to Download report request per State Return Menu session. If the State TP tries to request a report again, the message shown in Exhibit 9-19 is displayed followed by the State Return Menu. If this happens three times in a State Return Menu session, the State TP is disconnected.

```
Only one Report request allowed.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-19 One Report Request Allowed Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

Exhibit 9-20 shows an example of the State Files to Download Report.

IRS State Retrieval Subsystem
State Files to Download Report

Run Date: 2005-02-01 12:23:50
Location: Enterprise Computing Center at Memphis

FILE NAME	DATE/TIME LOADED	TEST	NUMBER RETURNS	COMPRESSED FILE SIZE
ga274.gz	2005-02-01 13:35:50	N	3000	1971147
ga275.gz	2005-02-01 13:35:50	N	3000	1960644
ga276.gz	2005-02-01 13:35:50	N	2035	1092873
ga277.gz	2005-02-01 13:46:09	N	726	228829

Exhibit 9-20 State Files to Download Report Example

e. Receiving State Return Files

When the State TP chooses "Receive State Return File(s)" from the State Return Menu and no state files are available to send to the State TP, the message shown in Exhibit 9-21 is displayed followed by the State Return Menu.

```
No State Files to download.

     STATE RETURN MENU

     1) Return to MAIN MENU
     2) Reset State File
     3) Request State Files to Download Report
     4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-21 No State Files to Download Message

The State TP will no longer receive a dummy file with a STCAP record containing the NO STATE DATA AVAILABLE message if there are no available files to send to the state. If the State TP chooses "Receive State Return File(s)" three times in a row and no state return files are available, the State TP is disconnected.

.01 IRS Front-end Processing Subsystem (FEPS) continued

When the State TP chooses "Receive State Return File(s)" from the State Return Menu and state data files are present on the SRS that have not been sent to the State TP, they will be transmitted as separate files to the State TP. The state files are transmitted to the State TP using the current default file transfer protocol displayed on the Main Menu. The state return files sent to the State TP will continue to be in GZIP compressed format. The compression setting from the Main Menu is ignored for the transmission of state return files. A message notifying the State TP that the state file(s) transfer is about to begin is displayed.

For Zmodem, Xmodem, or Ymodem, the message in Exhibit 9-**23** is displayed. For FTP, the message shown in 9-23 is displayed. The state file transfer will begin after the appropriate notice.

```
EFS ready for modem download.
```

Exhibit 9-22 Modem Download Notice

```
Putting File(s) by FTP.
```

Exhibit 9-23 FTP "Putting File(s)" Download Notice

When the retrieval of state return data file(s) is successfully completed, the message shown in Exhibit 9-24 is displayed before the State TP is returned to the State Return Menu.

```
STATE DATA TRANSMISSION COMPLETE
Weekday Month Day  HH:MM:SS Timezone Year

     STATE RETURN MENU

       1) Return to MAIN MENU
       2) Reset State File
       3) Request State Files to Download Report
       4) Receive State Return File(s)

Enter your choice:
```

Exhibit 9-24 State Data Transmission Complete Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

If there are errors during the transmission of the last file, or the State TP aborts the transmission, the communications line is disconnected after the messages shown in Exhibit 9-25 are displayed.

```
STATE DATA TRANSMISSION ERRORS
Weekday Month Day  HH:MM:SS Timezone Year

DISCONNECTING FROM EFS.
```

Exhibit 9-25 State Data Transmission Errors Message

16. LOGGING OFF THE SYSTEM

To end his/her session, TP chooses "Logoff" from the Main Menu Exhibit 10-1.

```
MAIN MENU

1) Logoff
2) Receive/Send File(s)
3) Change File Transfer Protocol [FTP]
4) Change Compression Method [GZIP]
5) Request Transmission Status Report
6) Change Password

Enter your choice:  1
```

Exhibit 10-1 Choosing Logoff

The TP Interface software performs any necessary cleanup activities, records statistical information, and then displays the message shown in Exhibit 10-2. The TP should not hang up before receiving the disconnect message. If he/she does hang up prematurely, EMS may not complete its cleanup activities. This could result in the TP receiving his/her acknowledgment files again in the next login session or having the submission file discarded.

```
DISCONNECTING FROM EFS.
```

Exhibit 10-2 End of TP Session Message

.01 IRS Front-end Processing Subsystem (FEPS) continued

17. TRADING PARTNER SESSIONS EXAMPLES

This section provides complete examples of the TP sessions. **Exhibit 11-1 illustrates when the TP logs in, receives acknowledgement files, submits a tax return file, and terminates the session.**

```
WARNING!  THIS SYSTEM IS FOR AUTHORIZED USE ONLY!

This computer system is the property of the United States Government.  The
Government may monitor any activity on the system and retrieve any
information stored within the system.  By accessing and using this system,
you are consenting to such monitoring and information retrieval for law
enforcement
and other purposes.  Users should have no expectation of privacy as to
communication on or stored within the system, including information stored
locally on the hard drive or other media in use within the unit (e.g., floppy
disks, tapes, CD-ROM, etc.).

login: 00000000
Password:
Last login: Tue Sep  4 10:39:31 from computername

  ----------------------------------------------------------------
            F O R   O F F I C I A L   U S E   O N L Y

                      #    #####    ####
                      #    #    #  #
                      #    #    #   ####
                      #    #####        #
                      #    #   #   #    #
                      #    #    #   ####

                    U.S. Government computer

            F O R   O F F I C I A L   U S E   O N L Y
  ----------------------------------------------------------------
          MAIN MENU

          1) Logoff
          2) Receive/Send File(s)
          3) Change File Transfer Protocol [ZMODEM]
          4) Change Compression Method [NONE]
          5) Request Transmission Status Report
          6) Change Password

      Enter your choice:  2
```

Exhibit 11-1 Transmitter TP Session to Pick Up Acknowledgments and Transmit a Tax Return File

```
Number of Acknowledgment File(s) in outbound mailbox: 003

Are you ready to receive files? Y/[N]: Y

EFS ready for modem download.

Acknowledgment File(s) transmission complete.

Do you want to send a file? Y/[N]: Y

Enter an upload command to your modem program now.

Transmission file has been received with the following GTX Key:

S20041020123423.1700                  10200001

    MAIN MENU

    1) Logoff
    2) Receive/Send File(s)
    3) Change File Transfer Protocol [ZMODEM]
    4) Change Compression Method [NONE]
    5) Request Transmission Status Report
    6) Change Password

Enter your choice:  1

DISCONNECTING FROM EFS.
```

Exhibit 11-1 (A) Transmitter TP Session to Pick Up Acknowledgments and Transmit a Tax Return File

APPENDIX A

GTX Key and Acknowledgment File Name Formats

Intentional Blank Page

APPENDIX A

GTX KEY AND ACKNOWLEDGMENT FILE NAME FORMATS

The format of the GTX key is SYYYYMMDDhhmmss.xxxx where S is the processing site identifier, YYYY=year, MM=month, DD=day, hh=hour, mm=minutes, ss=seconds, and xxxx=milliseconds. The site identifier is 'T' for transmissions processed in ECC-MEM (Memphis) and 'U' for transmissions processed in ECC-MTB (Martinsburg).

The format of the reference name is MMDDnnnn where MM month and DD day match the GTX Key. The nnnn number is a 4-digit sequence number generated by the EMS. The reference name is used to generate the acknowledgment file name.

The acknowledgment file can be positive or negative. If the acknowledgment filename ends with ".NAK", then the EMS detected an error in the file submitted by the TP and processing of the file was discontinued.

The EMS acknowledgment files will be named as described in Exhibit A-1.

Form and Format	ACK File Name (Note 1)	ACK File Name w/ Gzip (Note 2)	ACK File Name w/ Compress (Note 3)
94X - XML			
EMS Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
94X XML System Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z
112x and 99x Families (XML)			
EMS Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
MeF Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z
1065/1041 - Proprietary (TRANA/TRANB/RECAP)			
EMS Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
Unisys Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z

Exhibit A-1 Ack File Names

GTX Key and Acknowledgment File Name Formats continued

Form and Format	ACK File Name (Note 1)	ACK File Name w/ Gzip (Note 2)	ACK File Name w/ Compress (Note 3)
XML PIN Registration			
EMS Communications Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
EMS PIN Registration Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z
1040/ETD - Proprietary (TRANA/TRANB/RECAP)			
EMS Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
Unisys Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z
State Ack Transmission			
EMS Error Acknowledgment	MMDDnnnn.NAK	MMDDnnnn.GZ	MMDDnnnn.Z
EMS Acceptance Acknowledgment	MMDDnnnn.ACK	MMDDnnnn.GZ	MMDDnnnn.Z
State Ack Redirected to TP ETIN	MMDDnnnn.Sss (see Note)	MMDDnnnn.GZ	MMDDnnnn.Z

Exhibit A-1 (cont.) Ack File Names

Note 1: MM = month
DD = day
nnnn = 4 digit sequence number

MMDD is taken from the GTX Key
nnnn is a 4-digit sequence number generated by the EMS at the time the TP submitted his/her file.

Note 2: GZIP preserves the uncompressed ACK file name (e.g., MMDDnnnn.ACK) in its archive.

Note 3: Compress does not preserve the uncompressed ACK file name.

If a TP submits a file that is given the GTX Key "S20041020154710.0800," the first four digits of the reference name would be "1020." The next four digits would be a sequence number generated by the EMS, e.g., "0001." The reference name would then be "10200001." An EMS error acknowledgment file would be named "10200001.NAK." An acknowledgment from the Unisys system would be named "10200001.ACK." If the acknowledgment file is compressed with gzip it will be named "10200001.GZ." If the acknowledgment file is compressed with Unix compress it will be named "10200001.Z."

Note 4: For State Ack files that are redirected to a TP ETIN, the ack file will have the file extension "Sss" where "ss" is the standard postal abbreviation published in IRS Publication 1346 "Standard Postal Service State Abbreviations and Zip Codes." For example, the file extension "SMD" will be used for an ack file from the state of Maryland. If the state ack file contains a code that does not appear in Pub 1346, then "ss" will be replaced with "XX". In this case, the file extension would be "SXX".

Note 5: The acknowledgment file names shown in this appendix use upper case letters. These are the names as they appear on EMS. Some file transfer protocols and/or some operating systems may translate the names into lowercase.

APPENDIX B

XML Error Acknowledgment Format

Intentional Blank Page

APPENDIX B

XML ERROR ACKNOWLEDGMENT FORMAT FOR DETECTED VIRUSES

EMS checks all incoming files for viruses. If a virus is detected, EMS returns an error acknowledgment to the TP in XML format. If EMS detects a virus, the TP is placed in suspended status. Should this occur, the TP must contact the Home SPC EMS Help Desk to request removal of the suspended status.

Below is the format for the error acknowledgment that is returned to the TP when a virus is detected in the transmission. All TPs receive the XML format acknowledgment, even if the transmission was sent using a different IRS approved format. Note that the second line of the file, the Content-Description contains a plain English description of the problem; therefore, an understanding of XML is not required to interpret the message. The shaded areas contain the GTX key, a timestamp, and the virus name. These values vary for each returned acknowledgment. The remainder of the message is constant.

```
MIME-Version: 1.0
Content-Description: Notification that transmission file T200303211345.0100 was
rejected because it contained a virus
Content-Type: text/xml; charset=UTF-8

<?xml version="1.0" encoding="UTF-8"?>
<TransmissionAcknowledgement>
       <AcknowledgementTimestamp>2003-12-13T12:05:22-05:00</AcknowledgementTimestamp>
       <TransmissionStatus>R</TransmissionStatus>
       <Errors errorCount="1">
              <Error errorId="1">
                     <ErrorCategory>Unsupported</ErrorCategory>
                     <ErrorMessage><!CDATA[A VIRUS (virus name) WAS DETECTED IN
                     THIS FILE]]></ErrorMessage>
                     <RuleNumber>T0000-009</RuleNumber>
                     <Severity>Reject and Stop</Severity>
              </Error>
       </Errors>
       <GTXKey>T200303211345.0100</GTXKey>
</TransmissionAcknowledgement>
```

APPENDIX B

XML ERROR ACKNOWLEDGMENT FORMAT FOR DETECTED XML VULNERABILITIES AND THREATS

EMS checks all incoming files for XML vulnerabilities or threats. If an XML vulnerability is detected, EMS returns an error acknowledgment to the TP in XML format. If EMS detects a virus, the TP is placed in suspended status. Should this occur, the TP must contact the Home SPC EMS Help Desk to request removal of the suspended status.

Below is the format for the error acknowledgment that is returned to the TP when an XML vulnerability is detected in the transmission. All TPs receive the XML format acknowledgment, even if the transmission was sent using a different IRS-approved format. Note that the second line of the file, the Content-Description, contains a plain English description of the problem; therefore, an understanding of XML is not required to interpret the message. The shaded areas contain the GTX key, a timestamp, and the XML threat. These values vary for each returned acknowledgment. The remainder of the message is constant.

```
MIME-Version: 1.0
Content-Description: Notification that transmission file T200303211345.0100 was rejected
because it contained an XML threat
Content-Type: text/xml; charset=UTF-8

<?xml version="1.0" encoding="UTF-8"?>
<TransmissionAcknowledgement>
       <AcknowledgementTimestamp>2003-12-13T12:05:22-05:00</AcknowledgementTimestamp>
       <TransmissionStatus>R</TransmissionStatus>
       <Errors errorCount="1">
              <Error errorId="1">
                     <ErrorCategory>Unsupported</ErrorCategory>
                     <ErrorMessage><!CDATA[AN XML THREAT WAS DETECTED IN
                     THIS FILE]]></ErrorMessage>
                     <RuleNumber>T0000-009</RuleNumber>
                     <Severity>Reject and Stop</Severity>
              </Error>
       </Errors>
       <GTXKey>T200303211345.0100</GTXKey>
</TransmissionAcknowledgement>
```

APPENDIX B

ERROR ACKNOWLEDGMENT FORMAT FOR DECOMPRESSION FAILURES

If the TP has established a profile that uses one of the supported compression methods, then EMS will decompress the file before processing it. If there is a problem and the file fails to decompress, then the TP will receive the error acknowledgment shown below. All TPs receive the XML format acknowledgment, even if the transmission was sent using a different IRS approved format. Note that the second line of the file, the Content-Description contains a plain English description of the problem; therefore, an understanding of XML is not required to interpret the message. The shaded areas contain the GTX key and a timestamp. These values vary for each returned acknowledgment. The remainder of the message is constant.

```
MIME-Version: 1.0
Content-Description: Notification that transmission file T200303211345.0100 was
rejected because it failed to decompress
Content-Type: text/xml; charset=UTF-8

<?xml version="1.0" encoding="UTF-8"?>
<TransmissionAcknowledgement>
       <AcknowledgementTimestamp>2003-12-13T12:05:22-05:00</AcknowledgementTimestamp>
       <TransmissionStatus>R</TransmissionStatus>
       <Errors errorCount="1">
              <Error errorId="1">
                     <ErrorCategory>Unsupported</ErrorCategory>
                     <ErrorMessage>EMS received your file, but could not process
                     it.  Please check your file and re-transmit.</ErrorMessage>
                     <RuleNumber>T0000-010</RuleNumber>
                     <Severity>Reject and Stop</Severity>
              </Error>
       </Errors>
       <GTXKey> T200303211345.0100</GTXKey>
</TransmissionAcknowledgement>
```

APPENDIX B

ERROR ACKNOWLEDGMENT FORMAT FOR EDI/MGT TRANSMISSION FILE FORMATS

The capability to process all EMS and MGT processes for Forms 94x return transmissions that are in the EDI and Proprietary formats is being discontinued. If the TP submits a 940/941 form type in EDI (X12)/Proprietary (MGT) formats, the following XML error acknowledgment is generated. All TPs receive the XML format acknowledgment, even if the transmission was sent using a different IRS-approved format. Note that the second line of the file, the Content-Description, contains a plain English description of the problem; therefore, an understanding of XML is not required to interpret the message. The shaded areas contain the GTX key and a timestamp. These values vary for each returned acknowledgment. The remainder of the message is constant.

```
MIME-Version: 1.0
Content-Description: Notification that transmission file SYYYYMMDDhhmmss.nnnn was rejected
because it is not in acceptable format
Content-Type: text/xml; charset=UTF-8

<?xml version="1.0" encoding="UTF-8"?>
<TransmissionAcknowledgement>
      <AcknowledgementTimestamp>YYYY-MM-DDThh:mm:ss-hh:00</AcknowledgementTimestamp>
      <TransmissionStatus>R</TransmissionStatus>
      <Errors errorCount="1">
            <Error errorId="1">
                  <ErrorCategory>Unsupported</ErrorCategory>
                  <ErrorMessage>Transmission file not in acceptable
                    format</ErrorMessage>
                  <RuleNumber>T0000-500</RuleNumber>
                  <Severity>Reject and Stop</Severity>
                  </Error>
            </Errors>
            <GTXKey>SYYYYMMDDhhmmss.nnnn</GTXKey>
            </TransmissionAcknowledgement>
```

APPENDIX C

EMS Communications and Encryption

INTENTIONAL BLANK PAGE

APPENDIX C

TABLE OF CONTENTS

Section	Description	Page
C.1	INTERNET SERVICE	C-69
C.2	DEDICATED/LEASED LINE SERVICE	C-71
C.2.1	CISCO 7206 ROUTER	C-71
C.2.2	DEDICATED LINES	C-72
C.2.3	COMMUNICATION SERVICES	C-72
C.2.4	IPsec AND CISCO ROUTER REQUIREMENTS	C-73
C.3	TELNET OPTIONS	C-74
C.4	ZMODEM OPTIONS	C-75

INTENTIONAL BLANK PAGE

APPENDIX C

EMS COMMUNICATIONS AND ENCRYPTION

EMS can accept tax returns and tax documents via a non-Web-based Internet solution or via dedicated leased lines as described below. Since December 2005, IRS-provided analog and ISDN lines were removed. However, it may be possible for a TP to use ISDN if he/she provides his/her own equipment.

C.1 Internet Service

To use the Internet service, a TP accesses EMS via his/her own Internet Service Provider (ISP) and does not need to have a static IP address. **However, the TP must use Secure Socket Layer (SSL) with Telnet/S layered on top of it.** His/her Telnet/SSL software must conform to:

- **RFC 854 – Telnet Protocol Specification**
- **SSL 3.0 Specification (http://wp.netscape.com/eng/ssl3)**

The Telnet/SSL traffic must be transmitted to EMS on TCP port 992. The TP may need to configure his/her firewall(s) to allow this traffic to pass through. **This has been the most common cause of failure to connect to EMS through the Internet.** Most businesses routinely block traffic on ports not commonly used for security reasons. The TP connects to EMS using one of the following fully qualified Domain Name Service (DNS) names.

- **efileA.ems.irs.gov – Martinsburg Computing Center**
- **efileB.ems.irs.gov – Memphis Computing Center**
- **efileC.ems.irs.gov – Memphis Computing Center**

The EMS URL Chart with specific returns and dates, and the processing schedules for draining the test and production transmissions for processing are found on www.irs.gov.

If the TP's software allows him/her to establish concurrent sessions to the same computing center, the TP may submit files over multiple concurrent sessions. However, only one session can retrieve acknowledgment files. **TPs should note that FTP is not available as a file transfer protocol when using the Internet service.**

APPENDIX C

EMS Communications and Encryption continued

Configuring Terminal Emulation Software

A TP may need to provide the following information when he/she is configuring their terminal emulation software.

- **Terminal Name.** Should be something meaningful to the TP. This information is not transmitted to EMS.
- **Terminal Type.** Select a member of the Virtual Terminal (VT) family (e.g., VT100 or VT220).
- **SSL Version.** SSL3. **In many terminal emulation packages this is a pull-down menu beside the Destination or Host Name and is not labeled. TLS-1 defaults since it is the latest SSL version but SSL-3 must be chosen.**
- **Port.** 992. **This port number is often filled in automatically by the terminal emulation software if Telnet/SSL is chosen.**
- **Destination or Host Name.** One of the fully qualified names listed previously.
- **Destination Host Type.** Unix.
- **User Certificate Mode.** No user certificate is required. However, EMS accepts any certificate from the TP. If the TP wants to send a certificate it can be self-generated.
- **Host Certificate.** EMS sends an Entrust certificate, which the terminal emulation software must accept.
- **Certificate Viewing.** If the TP wants to see the certificates being exchanged and the terminal emulation software supports certificate viewing, then this feature should be turned on.
- **Operating System (OS). If your terminal emulation software asks for an OS, it is asking about the Trading Partner's system, not the EMS system. Enter the local system parameters upon which the terminal emulation software will be running.**
- **Data Characters. Please specify eight bit data characters if your terminal emulation software does not default to it.**

The IRS has tested several terminal emulation software packages supporting Telnet-SSL including PowerTerm Pro Enterprise for Unix Version 8.8.3, Hummingbird Exceed, and Attachmate. Many other commercial and open-source packages can also be used as long as they support the Telnet specification RFC 854 and the SSL 3.0 specification. If a TP cannot successfully connect using an internally developed package we recommend using one of the above packages, which can often be evaluated free, to verify the connectivity parameters outlined above.

APPENDIX C

EMS Communications and Encryption continued

C.2 Dedicated/Leased Line Service

Use of dedicated/leased line services requires authorization from the IRS. Please contact Darryl Giles at (202) 283-5193, e-mail darryl.s.giles@irs.gov.

As of November 1, 2005, all dedicated lines must be encrypted using at least 128-bit encryption provided by a Federal Information Processing Standards (FIPS) approved method. A TP, using the dedicated/leased line service, is responsible for choosing, procuring, and installing his/her cryptographic solution. To determine if a cryptographic solution meets FIPS standards obtain the "NIST Validation List Certification Number and Date" from the solution provider. This information can be verified by checking the NIST website at http://csrc.nist.gov/cryptval/. There are validation lists for each major FIPS Cryptographic Standard. Each list has a sequence number, and lists the manufacturer/supplier, date of validation, name of the implementation, its operational environment, and a further description of other characteristics.

The IRS recommends the use of Internet Protocol Security (IPsec) as the cryptographic solution for the dedicated/leased line service. Additional information for TPs who use Cisco routers and may need to upgrade them to support IPsec is provided in Section C.1.4.

The following paragraphs describe the hardware and software necessary to use the digital communication service.

C.2.1 Cisco 7206 Router

Two (2) Cisco 7206 routers have been installed in both ECC-MTB and ECC-MEM. Each Cisco 7206 has an aggregate bandwidth of 600 Mbps and contains six slots for communications adapters. While one of the routers is a hot spare, the active 7206 is configured as follows:

- **One (1) Ethernet adapter with four (4) ports--10 Mbps each port**
- **One (1) High speed synchronous adapter, which supports eight (8) ports**
- **One (1) High speed synchronous adapter, which supports four (4) ports**
- **All high speed synchronous ports support speeds up to 2.048 Mbps. Connections to these ports are mostly through the Kentrox unit described next, although some TPs have connected to the interfaces, directly from their own high-speed communications equipment**

TPs use either Point-to-Point Protocol (PPP) or Frame Relay link encapsulation when connecting to the high speed synchronous ports.

EMS Communications and Encryption continued

C.2.2 Dedicated Lines

For a TP to connect over a dedicated line he/she must purchase the circuit. Once the TP's request for digital service is approved, the IRS provides him/her with IP addressing and routing information.

C.2.3 Communication Services

Connection to the EMS system using the digital communications services provides the TP with a Transmission Control Protocol/Internet Protocol (TCP/IP) interface. To use this service the TP must have the following:

- A system that supports the TCP/IP protocols.
- The ability to make a SSH or a secure alternative for Telnet connection from his/her system to an EMS host.
- If the TP plans on using Secure File Transfer Protocol (FTP) for data transfer, his/her system must support an FTP server and have the ability to accept an FTP connection from the EMS. The TP must supply a user logon and password for the EMS system to use when connecting to his/her FTP server.
- A router capable of supporting PPP or Frame Relay over the digital circuit.

Once the TP establishes a connection using EMS digital services the following capabilities are available.

Connecting over a TCP/IP link allows a TP to connect to any host available to him/her at the computing center.

- **Connecting over a TCP/IP link allows a TP to connect to any host available to him/her at the computing center.**
- **Backup protection. EMS systems have a fail over capability** and if there is a system failure a backup system becomes available. This system uses the same TCP/IP address as the primary system. This allows the TP to connect to the backup system without having to reconfigure the host address.
- Transfer of data using FTP. If a TP has a host system that supports FTP, he/she may use this as a protocol to send and receive files to the EMS system. For TPs using this transfer method the only configuration needed is to setup a user account for EMS to use and directories for EMS to use to "get" return files and "put" acknowledgment files. EMS transmits one file for each acknowledgment file available for processing. The file transfers are binary and the "#" hash mark is displayed for every 1,024 bytes of data transferred.
- File transfers over Telnet. If a TP uses TCP/IP to connect to the EMS system, his/her logon to the system is through Telnet. If the TP does not want to use FTP to transfer files, he/she may use another file transfer protocol such as Zmodem over the Telnet session. This capability is currently available in many of the Telnet application programs. The file transfer rate of Zmodem over a Telnet session is not as fast as FTP. See Sections C.3 and C.4 for more details.
- One final aspect of a TCP/IP connection to the EMS is that TCP/IP supports multiple simultaneous connections to the same host or multiple hosts. A TP may submit files over multiple concurrent sessions. However, only one session per host can retrieve acknowledgment files.

EMS Communications and Encryption continued

C.2.4 IPSEC and CISCO Router Requirements

To support IPsec encryption, TPs with existing Cisco routers may need to upgrade their router's IOS® and memory to the minimum requirements listed in Exhibit C-1 for their specific platform. TPs that are registered Cisco users can download the newer IOS version from Cisco's website (www.cisco.com).

IOS versions will vary per router. As a general rule, the IRS will use the highest 12.2 GD (General Deployment) release at the time of implementation with the following feature sets: IP PLUS/IPSEC 3DES.

Cisco Router Series	IOS Version	Memory
Cisco 800 Series	c800-k9osy6-mw.12.2-13.T (12/8) - IPsec Triple DES Encryption (IP/FW PLUS IPSEC 3DES)	DRAM - 12 MB FLASH - 8 MB
Cisco 1700 Series	c1700-k9o3sy7-mz.12.2-13.T (48/16) - IPsec Triple DES Encryption (IP/FW PLUS IPSEC 3DES)	DRAM - 48 MB FLASH - 16 MB
CISCO 2600 SERIES: (2602, 2610, 2611, 2620)	C2600-IK9O3S-MZ.12.2-13.T (96/32) - IPSEC TRIPLE DES ENCRYPTION (IP PLUS IPSEC 3DES)	DRAM - 96 MB FLASH - 32 MB
CISCO 7206 SERIES: (IRS OWNED AND MAINTAINED)	c7200-ik9o3s-mz.12.2-13.T (128/16) - IPsec Triple DES Encryption (IP/FW/IDS IPSEC 3DES)	DRAM - 128 MB Flash - 16 MB

Exhibit C-1 Minimum Cisco IOS Version and Memory Requirements

Depending on other functions used by the router (e.g., NAT, IOS firewall, several T1 lines, number of users), the CPU utilization can be seriously degraded by adding encryption functionality. It is recommended that acceleration modules be added. If possible, it is also recommended that the base router component be upgraded (i.e., 1700 to a 1750, 2600 to a 2650, etc.). There are no hardware upgrades or module additions for the 800 series routers; therefore, TPs using these routers should consider upgrading to a 1750 series router. The Cisco 1600 series and 2500 series routers do not support IPsec and must be upgraded. Cisco recommends an upgrade to the next highest platform. (i.e., 1600 Router to 1700 Router or 2500 Router to 2600 Router). See the Cisco website for details.

EMS Communications and Encryption continued

C.2.4 IPSEC and CISCO Router Requirements continued

Those TPs that wish to purchase new routers can do so by purchasing Cisco's "VPN bundles." Exhibit C-2 identifies IRS recommended bundles.

Product Number	Description
CISCO1751-VPN/K9	1751 VPN Bundle with VPN Module, 64 MB DRAM, IP Plus/FW/3DES
CISCO1760-VPN/K9	1760 VPN Bundle with VPN Module, 64 MB DRAM, IP Plus/FW/3DES
CISCO1760-V3PN/K9	1760 VPN Bundle with VPN Module, 96 MB DRAM, IP Plus/VOX/FW/3DES
C2651XM-2FE/VPN/K9	2651XM/VPN Bundle, AIM-VPN/BPII/2FE/IOS FW/IPSec 3DES, 128DRAM
C2691-VPN/K9	2691 VPN Bundle, AIM-VPN/EPII, Plus FW/IPSEC 3DES, 128DRAM
C3725-VPN/K9	3725 VPN Bundle, AIM-VPN/EPII, Plus IOS FW/IPSEC 3DES, 128DRAM
C3745-VPN/K9	3745 VPN Bundle, AIM-VPN/HPII, Plus IOS FW/IPSEC 3DES, 128DRAM

Exhibit C-2 IRS Recommended Cisco VPN Router Bundles

C.3 Telnet Options

If the TP uses Zmodem, Xmodem-1K, or Ymodem-batch to transfer files over the Telnet session, to be successful the TP's Telnet program must support connections that allow all 8 bits of the data to pass through. This is often accomplished on the Telnet command line as "telnet –8 host". If the TP uses the "telnet -8" method, the screen display may appear distorted and after typing in the TP identification information the systems appears to be hung. If this occurs the TP should terminate his/her responses with a Line-Feed Character. On a standard keyboard this character is generated by depressing the Control Key and the "j" key at the same time. As an alternative to the "telnet -8" option, the TP may set binary mode before beginning a file transfer and unset binary mode upon completion of the transfer.

Most versions of Telnet have a sequence of characters (called an Escape Sequence) that, when encountered by the Telnet program, interrupts the Telnet session. Unless hidden by the TPs terminal emulation software, the TP normally sees a message displaying the Escape Sequence when the Telnet connection is first started. Although it is possible for the TP to have a successful session when an Escape Sequence exists, at some point a file transfer may abort based on its size or the data in the file. For this reason it is recommended that the Escape Sequence be disabled, if possible. The TP should check his/her Telnet documentation to determine how to do this.

APPENDIX C

EMS Communications and Encryption continued

C.4 Zmodem Options

The most common file transfer software used over the Telnet Session is Zmodem. The package consists of the "sz" command for sending files and the "rz" command for receiving files. As with the Telnet session options described in Section C.3, there are options that may need to be invoked to achieve a successful file transfer. Also it is important to note that these options are not necessarily mutually exclusive from the Telnet options. It may be that having a specific Zmodem option set might mean that a Telnet option does not need to be invoked. It is recommended that TPs explore the Zmodem options first. These options are available if the TP is experiencing problems:

- **Zmodem Escape Control Characters.** This option, usually "-e", will have Zmodem watch for control characters and modify them so that they pass through undetected as control characters. The option is sometimes available on both the "sz" and "rz" commands. Other versions have the -e option available only on the "rz".

- **Zmodem Binary.** This is another option available on some versions of Zmodem. The TP should check his/her documentation for any option that attempts to make the link transparent to control character sequences.

- **Zmodem Timeout Values.** Within Zmodem there are options for how long to wait for an expected packet of data. The default is normally 10 seconds. In most cases this value should be acceptable. However, the TP should never set these values to wait forever.

- **Zmodem buffer timeout.** There may be times when the timeout values may need to be changed. This can occur with TPs, whose connection to their ISP is through a dial-up line. Because of the buffering ability of telecommunications equipment and the amount of communications equipment usually in place for an Internet connection, the amount of data that can be stored could cause an error. This can happen if a file that is to be transmitted is approximately the same size as one of the buffers present in the data link. The sending program will have completed the streaming of all the data in the file but the receiving side may not have gotten any data yet. If the sending side has its receive packet timeout set too low, it may timeout before the receiver can receive and transmit the packet.

- **Zmodem sliding window.** If this option is not enabled, the sender transmits all of a file without waiting for an acknowledgment. This results in a faster file transfer. However, some of the intermediate communications equipment may store data while it is transferred to the receiver. Sometimes this causes the sender to "get ahead" of the receiver. In this case, the TP may need to enable the sliding window option. This results in intermediate acknowledgments and a slower file transfer. The smaller the value of the sliding window setting the slower the file transfer.

- **Zmodem Debugging.** When testing the TP's Internet connectivity, the TP should become familiar with the debug capabilities of his/her Zmodem software. If the TP experiences problems with the transfer of data, generating a debug file could assist the TP and IRS system support personnel in determining the nature of the problem.

- **Crash Recovery.** EMS does not retain partial files. Therefore, if a transmission to EMS is interrupted, the TP must retransmit from the beginning of the file. For acknowledgment files and state return files, EMS can resume the transmission from where the interruption occurred in the transmission if the TP's software supports it.

Intentional Blank Page

APPENDIX D

Examples of Transmission Status Reports (Browser and Text Displays)

Intentional Blank Page

APPENDIX D

EXAMPLES OF TRANSMISSION STATUS REPORTS

This section shows the following examples of a Transmission Status Report:

- Exhibit D-1 Browser View of State Transmission Report (When No Data is Available)
- Exhibit D-2 Text View of State Transmission Report (When No Data is Available)
- Exhibit D-3 Browser View of State Transmission Report
- Exhibit D-4 Text View of State Transmission Report
- Exhibit D-5 Excel Spreadsheet View of State Transmission Report
- Exhibit D-6 Browser View of TP Transmission Report

The Transmission Status Report is returned to the TP within a file that is suitable for display with a Web browser. The file can also be imported into newer versions of Excel as an Excel spreadsheet. The file name is MMDDhhmm_rpt.html where MM=month, DD=day, hh=hour, and mm=minute. If the TP had previously requested Unix file compression, the file name would be MMDDhhmm_rpt.html.Z. If the TP has previously selected GZIP compression, the file name would be MMDDhhmm_rpt.html.GZ. Some file transfer protocols or operating systems may translate the "Z" or "GZ" to lowercase "z" or "gz."

ECC-MEM State Transmission Report for ETIN: 05003
2004-03-02 00:00 – 2004-06-10 11:33

Transmission File Name	TP ETIN	TP ACK File Name	ACK Reference File Name	Transmission Status	Test/ Production	Status Date	Status Time
No data available for reporting period							

Exhibit D-1 Browser View of State Transmission Report (When No Data is Available)

EXAMPLES OF TRANSMISSION STATUS REPORTS continued

Text for Exhibit D-1 is displayed in HTML format


```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="W3C-REC.css" type="text/css"?>
<?xml-stylesheet href="#baseInternalStyle" type="text/css"?>
<!DOCTYPE html
     PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html lang="en" xml:lang="en" xmlns="http://www.w3.org/1999/xhtml">
  <!-- Generated by EEC XmsnRptSvc -->
  <head>
    <meta name="Author" content="EEC XmsnRptSvc" />
    <meta http-equiv="Content-type" content="application/xhtml+xml; charset=UTF-8"
/>
    <meta http-equiv="Content-Style-Type" content="text/css" />
    <title>
      ECC-MEM State Transmission Report for ETIN: 05003 &mdash; 2004-03-02 00:00
&ndash; 2004-06-10 11:33
    </title>
  </head>
  <body>
    <table cellpadding="2" border="1" frame="void" rules="groups"
summary="Transmission Status Report of Acknowledgements for State ACK files
submitted at ECC-MEM by State ETIN 05003.">
      <caption>
        <strong>
          ECC-MEM State Transmission Report for ETIN: 05003
          <br />
          2004-03-02 00:00 &ndash; 2004-06-10 11:33
        </strong>
        <br />
         
      </caption>
      <thead>
        <tr align="center" valign="middle">
          <th abbr="gtx key of ack file received from state">
            Transmission File Name
          </th>
          <th abbr="etin of trading partner to receive state ack">
            TP ETIN
          </th>
          <th abbr="gtx key of state ack to be sent to trading partner">
            TP ACK File Name
          </th>
          <th abbr="reference name of ack file">
            ACK Reference File Name
          </th>
          <th nowrap="nowrap" abbr="status of transmission">
            Transmission Status
          </th>
          <th abbr="transmission mode: test or production">
            Test/ Production
          </th>
```


Exhibit D-2 Text View of State Transmission Report (When No Data is Available)

EXAMPLES OF TRANSMISSION STATUS REPORTS continued

```
          <th abbr="date of transmission status">
            Status Date
          </th>
          <th abbr="time of transmission status">
            Status Time
          </th>
        </tr>
      </thead>
      <tbody valign="top">
        <tr>
          <td colspan="8" align="center" abbr="empty report">
            <big>
              <em>
                No data available for reporting period
              </em>
            </big>
          </td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

Exhibit D-2 Text View of State Transmission Report (When No Data is Available) (A)

EXAMPLES OF TRANSMISSION STATUS REPORTS continued

ECC-MEM State Transmission Report for ETIN: 88888
2004-03-02 00:00 – 2004-06-10 11:33

Transmission File Name	TP ETIN	TP ACK File Name	ACK Reference File Name	Transmission Status	Test/ Production	Status Date	Status Time
T20040304100001.7700			03040010.ACK	Waiting State Delivery	T	2004-03-04	10:20
T20040304100001.7700	99998	T20040304100214.1000	03040001.SMD	Waiting TP Delivery	T	2004-03-04	10:05
T20040304100001.7700	99999	T20040304100315.7700	03040110.SMD	Waiting TP Delivery	T	2004-03-04	10:05
T20040305120011.0001			03050211.ACK	Received by State	P	2004-03-05	20:00
T20040305120011.0001	99992	T20040305120400.0000	03050112.SMD	Waiting TP Delivery	P	2004-03-05	20:00
T20040305120011.0001	99999	T20040305120301.0001	03050111.SMD	Received by TP	P	2004-03-05	20:00
T20040305121524.8800			03051200.NAK	Waiting State Delivery	P	2004-03-05	12:16

Exhibit D-3 Browser View of State Transmission Report

TRANSMISSION STATUS DEFINITIONS

State Transmission Report

Waiting State Delivery	The acknowledgment for a State Transmission is available for the state to pick up.
Received by State	The acknowledgment for a State Transmission has been received by the state.
In Progress	The State Transmission file was received by EMS and is being processed.
Waiting TP Delivery	The acknowledgment is available for the TP to pick up.
Received by TP	The acknowledgment has been received by the TP.

EXAMPLES OF TRANSMISSION STATUS REPORTS continued

Text for Exhibit D-3 is displayed in HTML format.

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="W3C-REC.css" type="text/css"?>
<?xml-stylesheet href="#baseInternalStyle" type="text/css"?>
<!DOCTYPE html
     PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html lang="en" xml:lang="en" xmlns="http://www.w3.org/1999/xhtml">
  <!-- Generated by EEC XmsnRptSvc -->
  <head>
    <meta name="Author" content="EEC XmsnRptSvc" />
    <meta http-equiv="Content-type" content="application/xhtml+xml; charset=UTF-8"
/>
    <meta http-equiv="Content-Style-Type" content="text/css" />
    <title>
      ECC-MEM State Transmission Report for ETIN: 88888 &mdash; 2004-03-02 00:00
&ndash; 2004-06-10 11:33
    </title>
  </head>
  <body>
    <table cellpadding="2" border="1" frame="void" rules="groups"
summary="Transmission Status Report of Acknowledgements for State ACK files
submitted at ECC-MEM by State ETIN 88888.">
      <caption>
        <strong>
          ECC-MEM State Transmission Report for ETIN: 88888
          <br />
          2004-03-02 00:00 &ndash; 2004-06-10 11:33
        </strong>
        <br />
         
      </caption>
      <thead>
        <tr align="center" valign="middle">
          <th abbr="gtx key of ack file received from state">
            Transmission File Name
          </th>
          <th abbr="etin of trading partner to receive state ack">
            TP ETIN
          </th>
          <th abbr="gtx key of state ack to be sent to trading partner">
            TP ACK File Name
          </th>
          <th abbr="reference name of ack file">
            ACK Reference File Name
          </th>
          <th nowrap="nowrap" abbr="status of transmission">
            Transmission Status
          </th>
          <th abbr="transmission mode: test or production">
            Test/ Production
          </th>
          <th abbr="date of transmission status">
            Status Date
          </th>
          <th abbr="time of transmission status">
            Status Time
          </th>
        </tr>
      </thead>
```

Exhibit D-4 Text View of State Transmission Report

EXAMPLES OF TRANSMISSION STATUS REPORTS continued


```
      <tbody valign="top">
        <tr>
          <td abbr="T20040304100001.7700">
            T20040304100001.7700
          </td>
          <td align="right" abbr="">

          </td>
          <td abbr="">

          </td>
          <td abbr="03040010.ACK">
            03040010.ACK
          </td>
          <td nowrap="nowrap" abbr="Waiting State Delivery">
            Waiting State Delivery
          </td>
          <td align="center" abbr="T">
            T
          </td>
          <td abbr="2004-03-04">
            2004-03-04
          </td>
          <td align="right" abbr="10:20">
            10:20
          </td>
        </tr>
        <tr>
          <td abbr="T20040304100001.7700">
            T20040304100001.7700
          </td>
          <td align="right" abbr="99998">
            99998
          </td>
          <td abbr="T20040304100214.1000">
            T20040304100214.1000
          </td>
          <td abbr="03040001.SMD">
            03040001.SMD
          </td>
          <td nowrap="nowrap" abbr="Waiting TP Delivery">
            Waiting TP Delivery
          </td>
          <td align="center" abbr="T">
            T
          </td>
          <td abbr="2004-03-04">
            2004-03-04
          </td>
          <td align="right" abbr="10:05">
            10:05
          </td>
        </tr>
        <tr>
          <td abbr="T20040304100001.7700">
            T20040304100001.7700
          </td>
          <td align="right" abbr="99999">
            99999
          </td>
          <td abbr="T20040304100315.7700">
```


Exhibit D-4 Text View of State Transmission Report (A)

EXAMPLES OF TRANSMISSION STATUS REPORTS continued


```
          T20040304100315.7700
        </td>
        <td abbr="03040110.SMD">
          03040110.SMD
        </td>
        <td nowrap="nowrap" abbr="Waiting TP Delivery">
          Waiting TP Delivery
        </td>
        <td align="center" abbr="T">
          T
        </td>
        <td abbr="2004-03-04">
          2004-03-04
        </td>
        <td align="right" abbr="10:05">
          10:05
        </td>
      </tr>
      <tr>
        <td abbr="T20040305120011.0001">
          T20040305120011.0001
        </td>
        <td align="right" abbr="">

        </td>
        <td abbr="">

        </td>
        <td abbr="03050211.ACK">
          03050211.ACK
        </td>
        <td nowrap="nowrap" abbr="Received by State">
          Received by State
        </td>
        <td align="center" abbr="P">
          P
        </td>
        <td abbr="2004-03-05">
          2004-03-05
        </td>
        <td align="right" abbr="20:00">
          20:00
        </td>
      </tr>
      <tr>
        <td abbr="T20040305120011.0001">
          T20040305120011.0001
        </td>
        <td align="right" abbr="99992">
          99992
        </td>
        <td abbr="T20040305120400.0000">
          T20040305120400.0000
        </td>
        <td abbr="03050112.SMD">
          03050112.SMD
        </td>
        <td nowrap="nowrap" abbr="Waiting TP Delivery">
          Waiting TP Delivery
        </td>
        <td align="center" abbr="P">
          P
        </td>
```


Exhibit D-4 Text View of State Transmission Report (B)

EXAMPLES OF TRANSMISSION STATUS REPORTS continued


```
          <td abbr="2004-03-05">
            2004-03-05
          </td>
          <td align="right" abbr="20:00">
            20:00
          </td>
        </tr>
        <tr>
          <td abbr="T20040305120011.0001">
            T20040305120011.0001
          </td>
          <td align="right" abbr="99999">
            99999
          </td>
          <td abbr="T20040305120301.0001">
            T20040305120301.0001
          </td>
          <td abbr="03050111.SMD">
            03050111.SMD
          </td>
          <td nowrap="nowrap" abbr="Received by TP">
            Received by TP
          </td>
          <td align="center" abbr="P">
            P
          </td>
          <td abbr="2004-03-05">
            2004-03-05
          </td>
          <td align="right" abbr="20:00">
            20:00
          </td>
        </tr>
        <tr>
          <td abbr="T20040305121524.8800">
            T20040305121524.8800
          </td>
          <td align="right" abbr="">

          </td>
          <td abbr="">

          </td>
          <td abbr="03051200.NAK">
            03051200.NAK
          </td>
          <td nowrap="nowrap" abbr="Waiting State Delivery">
            Waiting State Delivery
          </td>
          <td align="center" abbr="P">
            P
          </td>
          <td abbr="2004-03-05">
            2004-03-05
          </td>
          <td align="right" abbr="12:16">
            12:16
          </td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```


Exhibit D-4 Text View of State Transmission Report (C)

APPENDIX D

EXAMPLES OF TRANSMISSION STATUS REPORTS continued

ECC-MEM State Transmission Report for ETIN: 88888
2004-03-02 00:00 – 2004-06-10 11:33

Transmission File Name	TP ETIN	TP ACK File Name	ACK Reference File Name	Transmission Status	Test/ Production	Status Date	Status Time
T20040304100001.7700			03040010.ACK	Waiting State Delivery	T	3/4/2004	10:20
T20040304100001.7700	99998	T20040304100214.1000	03040001.SMD	Waiting TP Delivery	T	3/4/2004	10:05
T20040304100001.7700	99999	T20040304100315.7700	03040110.SMD	Waiting TP Delivery	T	3/4/2004	10:05
T20040305120011.0001			03050211.ACK	Received by State	P	3/5/2004	20:00
T20040305120011.0001	99992	T20040305120400.0000	03050112.SMD	Waiting TP Delivery	P	3/5/2004	20:00
T20040305120011.0001	99999	T20040305120301.0001	03050111.SMD	Received by TP	P	3/5/2004	20:00
T20040305121524.8800			03051200.NAK	Waiting State Delivery	P	3/5/2004	12:16

Exhibit D-5 Excel Spreadsheet View of State Transmission Report

TP Transmission Report for ETIN: 39969
2005-04-08 00:00 - 2005-04-13 14:55

Transmission File Name	ACK Reference File Name	Transmission Status	Form Type	T/P	Status Date	Status Time
D20050411113022.9042		In Progress			11-APR-05	
D20050411120355.1354		In Progress			11-APR-05	
D20050411123423.9804		In Progress			11-APR-05	
D20050411145414.0042	04110004.NAK	Received by TP			11-APR-05	
D20050411153307.0985	04110005.ACK	Received by TP	1040	T	12-APR-05	
D20050413141423.5857	04130008.ACK	Received by TP	1040	T	13-APR-05	

Exhibit D-6 Browser View of TP Transmission Report

TRANSMISSION STATUS DEFINITIONS

TP Transmission Status Report

Waiting TP Delivery	The acknowledgment is available for the TP to pick up.
Received by TP	The acknowledgment has been received by the TP.
In Progress	EMS has received and is processing the file.

Intentional Blank Page

APPENDIX E

Guidelines for Trading Partners Using EMS

Intentional Blank Page

APPENDIX E

GUIDELINES FOR TRADING PARTNERS USING EMS

While the following information is provided primarily for those who use scripts to control interaction with EMS, it is also useful for individuals who login and conduct their sessions "manually."

1. Use ***pattern matching, not timers***, to control the flow of scripts. Scripts should be able to handle all messages and prompts from EMS, not just the main "retrieve acknowledgment" and "submit a file" paths. See Appendix F for an example of a script that is entirely controlled by simple pattern-matching.

2. If it is absolutely necessary to use a timer when waiting for a message or prompt, then the timer value should not be less than 100 seconds. EMS always sends a response within 100 seconds (worst case) after the last user-interaction (EMS prompt or user response). The timer in the script should function only as a "fail-safe" device in case of unanticipated system behavior.

3. Log off using the "Logoff" menu option on the main menu, instead of simply hanging up. Do not hang up until the "DISCONNECTING FROM EFS" message has been received. This is true for both scripted and human interaction with EMS.

4. When a message is received indicating that EMS is unavailable, don't try again immediately. Wait at least 10 minutes.

5. For TPs that are registered as reporting agents, there are additional prompts to allow a transmission file to be "signed." Since TPs have one ETIN for all form types, and registration types can be added or deleted, scripts should implement responses to the additional prompts if they are displayed, but still operate properly if they are not.

6. Do not login repeatedly when there is no work to do (i.e., no files to submit or acknowledgments to pick up). In most cases, EMS provides a negative acknowledgment within 10 minutes of submission if the file is not accepted for further processing. If EMS has not provided a negative acknowledgment within 35 minutes, the file, except in rare circumstances, has been forwarded to the appropriate tax-return-processing system. For MeF and 94X files, which are forwarded immediately to the tax-return-processing system, acknowledgements are available shortly after that system has processed each file. For files that are batched and "drained" at published times, acknowledgments from the tax-return-processing system will not be available for hours.

7. If a TP has multiple concurrent sessions at the same physical site using the same ETIN, only one session will retrieve acknowledgments. Unless the other sessions are used to submit files, they will not accomplish any useful work.

Intentional Blank Page

APPENDIX F

Example Script to Pick Up Acks and Send a File

Intentional Blank Page

APPENDIX F

EXAMPLE SCRIPT TO PICK UP ACKS AND SEND A FILE

The following example is meant to illustrate how a script can communicate with EMS using only pattern-matching to control logic flow. The example is for reference only, and is not intended for actual use by trading partners.

This particular script is written in "expect", designed for a Unix operating system, and takes advantage of expect's ability to specify a set of strings and events to be watched for if there is a failure to match the string that is anticipated. It also assumes that files are to be sent and received using the FTP protocol. A script that instead used the Zmodem protocol, for example, would differ noticeably in those parts of the script that accomplish the actual sending and receiving of files.

Most "expect" commands and syntax appearing in the script are reasonably intuitive, at least for the limited purposes of illustration for which this script is intended. But it is worth mentioning that the command "send" directs output to the telnet session, while the command "send_user" directs output to "standard output", which is assumed to be directed to a local log file. Lines beginning with "#" are comments.

```
#!/opt/sfw/bin/expect  -f $1 $2 $3 $4 $5 $6

#Assign command-line parameters to local variables for convenience.
set log_id  [lrange $argv 0 0]
set passwd  [lrange $argv 1 1]
set hostid  [lrange $argv 2 2]
set retfil  [lrange $argv 3 3]
set prtocl  [lrange $argv 4 4]
set compid  [lrange $argv 5 5]


# Slow down "typing" of replies to allow for modem turnaround delays.
set send_slow {1 .1}

# Start a C-shell in which to run telnet
spawn /usr/bin/csh

# Specify set of "secondary" strings/events to be watched for if anticipated match
fails.
# These messages and events could occur at any time during processing.
#   message: "EFS is down"
#   message: "DISCONNECTING FROM EFS"
#   event:   eof (telnet session was terminated for any reason, e.g., EMS
disconnects)
expect_after {

-exact "     EFS is busy. Wait at least 10 minutes, then retry." {
            send_user "got the EFS BUSY message (abort) \n"
            exit }

-exact "     EFS is currently unavailable.  Additional information may be available
on IRS quick alerts. " {
            send_user "got the EFS UNAVAILABLE message (abort) \n"
            exit }

-exact "EFS DISCONNECTINg FROM EFS" {
            send_user "got the DISCONNECTING message (abort) \n"
            exit }

      eof   {
            send_user "tp_client disconnected (abort) \n"
            exit }
```

EXAMPLE SCRIPT TO PICK UP ACKS AND SEND A FILE continued

```
}

# When C-shell prompt appears,
#   Start a telnet session to the designated computer (hostid)
#   Exit the C-shell when the telnet session exits (even if that
#   occurs before the script runs to completion)
expect -exact "% "
sleep .1
send -s -- "telnet $hostid; exit\r"

# When login prompt from EMS is received, send username (log_id).
expect -exact "login: "
sleep .2
send -s -- "$log_id\r"

#When password prompt from EMS is received, send password (passwd)
expect -exact "Password:"
sleep .2
send -s -- "$passwd\r"

#When MAIN MENU choice-prompt from EMS is received,
#send 3 (Change File Transfer Protocol)
expect -exact "    Enter your choice: "
sleep .2
send -s -- "3\r"

#When FILE TRANSFERS PROTOTCOL MENU choice-prompt from EMS is received,
#send protocol to use (prtocl)
expect -exact "    Enter your choice: "
sleep .2
send -s -- "$prtocl\r"

#When MAIN MENU choice-prompt from EMS is received,
#send 4 (Change Compression Method)
expect -exact "    Enter your choice: "
sleep .2
send -s -- "4\r"

#When COMPRESSION METHODS MENU choice-prompt from EMS is received,
#send compression to use (compid)
expect -exact "    Enter your choice: "
sleep .2
send -s -- "$compid\r"

#When MAIN MENU choice-prompt from EMS is received,
#send 2 (Receive/Send File(s))
expect -exact "    Enter your choice: "
sleep .2
send -s -- "2\r"
```

EXAMPLE SCRIPT TO PICK UP ACKS AND SEND A FILE continued

```
#If there are acks to pick up, EMS will prompt for the TP to receive them.
#If not, or after they have been picked up, EMS will prompt to allow sending a
file.
#The logic below handles both possibilities.
#If there are files to pick up, the logic responds "y" to receive them.
#After they are received, it responds "y" to the prompt for sending a file,
#then responds with the local filename to be sent, because this script assumes
#that the FTP protocol is being used.
#If there are not any files to pick up, the logic responds "y" to the prompt for
sending #a file, then responds with the local filename to be sent, because this
script assumes
#that the FTP protocol is being used.
expect {
-exact  "    Are you ready to receive files? Y/\[N\]: " {
               sleep .2
               send -s -- "y\r"
               expect -exact  "    Do you want to send a file? Y/\[N\]: "
               sleep .2
               send -s -- "y\r"
               expect -exact "    are sending from your system: "
               sleep .2
               send -s -- "$retfil\r"
               }

-exact  "    Do you want to send a file? Y/\[N\]: " {
               sleep .2
               send -s -- "y\r"
               expect -exact "    are sending from your system: "
               sleep .2
               send -s -- "$retfil\r"
               }
}
                                                                              -|
#The send_user command writes a message into the TP's local log file
send_user "after send file looking for choice \n "


#When MAIN MENU choice-prompt from EMS is received, send 1 (Logoff).
#After "DISCONNECTING FROM EFS" message is received from EMS, send exit command to
telnet
expect {
expect -exact "    Enter your choice: " {
               sleep .2
               send -s -- "1\r"
               send_user "answered 1 to choice\n"
               expect -exact "DISCONNECTING FROM EFS"
               send_user "got normal disconnect message \n"
               exit
               }
}

#Exit from the script
exit
```

Intentional Blank Page

APPENDIX G

EMS Password Rules

Intentional Blank Page

APPENDIX G

EMS Password Rules

A trading partner's password must conform to the following rules.

1. Passwords must be 8 characters long.

2. Passwords must contain:

   a. at least one uppercase alphabetic character,
   b. at least one lowercase alphabetic character and
   c. at least one numeric or special character.

3. Allowable special characters are:

Exclamation Point	!	Less Than Sign	<
Pound Sign	#	Equal Sign	=
Dollar Sign	$	Greater Than Sign	>
Percent Sign	%	Question Mark	?
Ampersand	&	At Sign	@
Left Parenthesis	(	Left Square Bracket	[
Right Parenthesis	)	Right Square Bracket	}
Asterisk	*	Underscore	_
Plus Sign	+	Right Curly Brace	{
Comma	,	Left Curly Brace	}
Hyphen	-	Vertical Bar	|
Period	.	Tilde	~
Slash	/		
Colon	:		
Semi-colon	;		

4. Passwords must not contain:

   a. the login ID
   b. reverse shift of the login ID
   c. circular shift of the login ID
   d. different upper/lower case version of the login ID

5. A new password must differ by at least three characters from the current password.

6. A new password must not match any password (the last five) in the TP's EMS-maintained password history.

7. **Passwords shall expire every 90 days.**

8. **Passwords cannot be changed within the first 7 days of the last password change.**

Intentional Blank Page

APPENDIX H

Acronym List

Intentional Blank Page

APPENDIX H

ACRONYM LIST

ACK	Acknowledgment
CSU/DSU	Channel Service Unit/Digital Service Unit
DES	Data Encryption Standard
DNS	Domain Name Service
DNS	Domain Nate System
EFS	Electronic Filing System
EMS	Electronic Management System
ETA	Electronic Tax Administration
ETIN	Electronic Transmitter Identification Number
FAK	Functional Acknowledgment
FEPS	**Front-End Processing System**
FIPS	Federal Information Processing Standard
FTP	File Transfer Protocol
FW	Firewall
GD	General Deployment
GTX	Global Transaction Key
IOS	Internetworking Operating System
IP	Internet Protocol
IPsec	Internet Protocol Security
IRS	Internal Revenue Service
ISDN	Integrated Services Digital Network
ISP	Internet Service Provider
NAK	Negative Acknowledgment (or error acknowledgment)
NAT	Nework Address Translation
NIST	National Institute of Standards and Technology
PIN	Personal Identification Number
PPP	Point-to-Point Protocol
RA	Reporting Agent
SPC	Submission Processing Center
SRS	State Retrieval Subsystem
SSL	Secure Sockets Layer
TCP/IP	Transmission Control Protocol/Internet Protocol
TP	Trading Partner
TPDS	Third Party Data Store
VPN	Virtual Private Network
VT	Virtual Terminal
XML	eXtensible Markup Language

Intentional Blank Page

APPENDIX I

Communication Error Messages

Intentional Blank Page

APPENDIX I

COMMUNICATIONS ERROR MESSAGES

Below are the Communications Error Messages that will be transmitted from the Electronic Management System (Front-End Processing Subsystem (FEPS) in a Communications Error Acknowledgement File, upon detection of a transmission validation error.

1. **"A VIRUS <Virus Name> WAS DETECTED IN THIS FILE"** -- The FEPS (Front-End Processing System has detected a virus in a transmission file and will quarantine and not process the file. The TP will be temporarily suspended. The TP must clean up the file and call their appropriate e-Help desk for permission to transmit. Please note that this error Acknowledgement is in XML format.

Below is the format for the error Acknowledgement that is returned to the TP when a virus is detected in the transmission. All TP's receive the XML format Acknowledgement, even if the transmission was sent using a different IRS approved format. Note that the second line of the file, the Content Description contains a plain English description of the problem and an understanding of XML is not required to interpret the message. The shaded areas contain the GTX key, a timestamp, and the virus name. These values vary for each returned Acknowledgement. The remainder of the message is constant.

```
MIME-Version: 1.0
Content-Description: Notification that transmission file T200303211345.0100
was rejected because it contained a virus
Content-Type: text/xml; charset=UTF-8

<?xml version="1.0" encoding="UTF-8"?>
<TransmissionAcknowledgement>
      <AcknowledgementTimestamp>2003-12-13T12:05:22-05:00
            </AcknowledgementTimestamp>
      <TransmissionStatus>R</TransmissionStatus>
      <Errors errorCount="1">
            <Error errorId="1">
                  <ErrorCategory>Unsupported</ErrorCategory>
                  <ErrorMessage><!CDATA[A VIRUS (virus name) WAS DETECTED IN
                  THIS FILE]]></ErrorMessage>
                  <RuleNumber>T0000-009</RuleNumber>
                  <Severity>Reject and Stop</Severity>
            </Error>
      </Errors>
      <GTXKey>T200303211345.0100</GTXKey>
</TransmissionAcknowledgement>
```

2. **"ACK COUNT IN TRANSMISSION RECAP RECORD DOES NOT MATCH THE COUNT OF ACKS RECEIVED"** -- The FEPS will reject the entire transmission for State acks, if the number of acknowledgements "inner envelopes" does not match the count in Field 0030 of the "outer envelope" RECAP record. *Applicable to State Acknowledgement Transmissions Only.*

3. **"ADDITIONAL TAX DATA AFTER RECAP"** -- The FEPS will reject the entire transmission when data exists after the RECAP record.

4. **"EFS IS BUSY. WAIT AT LEAST 10 MINUTES, THEN RETRY" --** The FEPS will reject the entire transmission if the FEPS is unresponsive.

5. **"EFS IS CURRENTLY UNAVAILABLE. ADDITIONAL INFORMATION MAY BE AVAILABLE ON IRS QUICK ALERTS"** -- The FEPS will reject the entire transmission if the FEPS is down because of scheduled downtime or for other planned reasons.

Communication Error Messages continued

6. **"ETIN IN INNER ENVELOPE AT RECORD nnnnnn NOT VALID"** -- The FEPS will reject the entire transmission if the ETIN in positions 84-88 of the TRANA record does not match a valid ETIN in the TP profile database. ***Applicable to State Acknowledgement Transmissions Only.***

7. **"EMS RECEIVED YOUR FILE, BUT COULD NOT PROCESS IT. PLEASE CHECK YOUR FILE AND RE-TRANSMIT." – This error ack is returned in XML format when EMS receives a file, but fails to decompress and process it.**

8. **"FIRST RECORD WITHIN INNER ENVELOPE MUST BE ACK KEY AT RECORD nnnnnn"** -- The FEPS will reject the entire transmission if there is no ACK key record as the first record within an inner envelope. ***Applicable to State Acknowledgement Transmissions Only.***

9. **"INVALID DCN VALUE DETECTED WITHIN ACK KEY RECORD AT RECORD <n>"-- The return DCN in Field 0090 of the Ack Key record is not present and the first two digits are not zeros. Applicable to State Acknowledgement Transmissions Only.**

10. **"INVALID ETIN MISMATCH IN INNER TRANA RECORD AND ACK KEY RECORD AT RECORD <n>"– The ETIN in Field 0060 of the inner TRANA record does not match the ETIN in the first five digits of Field 0030 of the Ack Key record. Applicable to State Acknowledgement Transmissions Only.**

11. **"INVALID FORM FORMAT BEGINNING AT RECORD n"** -- **For ETD transmissions,** the FEPS will reject the entire transmission when a form does not begin with a FRM record (valid Record ID, Form Number and Page Number fields) or does not end with a summary record. In addition, the form record must contain a numeric TIN that matches the TIN in the summary record.

12. **"INVALID FORM TYPE FOR THIS EMS PROCESSING SITE"** -- The FEPS will reject the entire transmission if the letter code for the Site Designator in column 75 of the TRANA record is anything other than the specified form type for that processing site.

13. **"INVALID FORM TYPE IN INNER ENVELOPE FOR THIS EMS PROCESSING SITE AT RECORD nnnnnn"** -- The FEPS will reject the entire transmission when the FEPS is not processing for the ELF site that is in the Site Designator in the Inner TRANA record. *Applicable to State Acknowledgement Transmissions Only.*

14. **"INVALID INNER ENVELOPE FORMAT AT RECORD nnnnnn"** -- The FEPS will reject the entire transmission if any of the following conditions are not met for the contents of the inner envelopes:

    a) each record begins with a 4 digit byte count = 0120
    b) the byte count is followed by the 4 asterisk record sentinel
    c) the record type is ACK or ACKR
    d) the last character is a #, based on the byte count in the first four digits. ***Applicable to State Acknowledgement Transmissions Only.***

15. **"INVALID INNER ENVELOPE PRODUCTION-TEST CODE. P=PRODUCTION, T=TEST AT RECORD nnnnnn"** -- The FEPS will reject the entire transmission if the production test code field in the TRANA record does not equal P or T. ***Applicable to State Acknowledgement Transmissions Only.***

Communication Error Messages continued

16. **"INVALID INNER ENVELOPE TRANA (TRANB or RECAP): WRONG LENGTH OR EMBEDDED # AT RECORD nnnnnn"** -- If any of the following conditions exist in an inner envelope:

    a) TRANA record is not equal to 120 bytes in length or contains an embedded pound sign.
    b) TRANB record is not equal to 120 bytes in length or contains an embedded pound sign.
    c) RECAP record is not equal to 120 bytes in length or contains an embedded pound sign. The FEPS shall generate an error ACK File. ***Applicable to State Acknowledgement Transmissions Only.***

17. **"INVALID JULIAN DAY IN THE TRANA RECORD"** -- The FEPS will reject the entire transmission when the Julian day in columns 91-93 of the TRANA record is more than two days prior to the actual receipt Julian day or more than one day after the actual receipt Julian day. ***Not Applicable to State Acknowledgement Transmissions***.

18. **"INVALID PROCESSING SITE DESIGNATOR. C=ANDOVER, E=AUSTIN" F=KANSAS CITY, G=PHILADELPHIA, H=FRESNO"** -- The FEPS will reject the entire transmission when the letter code for Site Designator in column 75 of the TRANA record is not equal to one of the alphabetic codes, OR when the actual processing site or alternate site code does not agree with the Site Designator in the TRANA record.

19. **"INVALID PRODUCTION-TEST CODE – P = PRODUCTION, T = TEST"** -- The FEPS will reject the entire transmission when Test/Production indicator in column 117 of the TRANA record does not equal "T" or "P".

20. **"INVALID RECAP: WRONG LENGTH OR EMBEDDED #"** -- The FEPS will reject the entire transmission when the byte count of the last record is **not equal to** 120 and the terminus character (#) agrees with the byte count.

21. **"INVALID RECORD FORMAT IN RECORD NUMBER XXX"** -- The FEPS will reject the entire transmission when the number of bytes in a record that the Trading Partner indicates does not equal the number counted by the FEPS, **starting with the TRANA record.** The byte count begins with the 4-digit byte count followed by the 4 asterisks (****) in the record sentinel, the data, followed by the record terminus.

22. **"INVALID T/P MODE FOR PROCESSING SITE DESIGNATOR"--** The FEPS will reject the entire transmission if a transmission is received and the Test/Production (T/P) indicator within the transmission does not match the processing modes allowed for the site, the transmission will be rejected.

23. **"INVALID TAX RETURN FORMAT BEGINNING AT RECORD n"** -- The FEPS will reject the entire transmission Error Ack message after the first occurrence of this validation error. For return transmissions, the FEPS will validate that every return begins with a tax return record (valid Record ID, Return type and Page number fields) and ends with a summary record. In addition, the tax return record must contain a numeric TIN that matches the TIN in the summary record. If an error is encountered, no further validation will take place after this first error is encountered.

24. **"INVALID TOTAL ACK KEY COUNT IN ACK FOR ETIN NNNNN" --** The FEPS will reject the entire transmission if the number of Total Ack Key records in an "inner envelope", does not match the number in Field 0030 of an "inner envelope" RECAP record. ***Applicable to State Acknowledgement Transmissions Only.***

Communication Error Messages continued

25. **"INVALID TOTAL ACKR COUNT IN INNER ENVELOPE RECAP AT RECORD nnnnnn."** – The FEPS will reject the entire transmission if the number of "ACKR" records in an "inner envelope", does not match the number in Field 0100 of an "inner envelope" RECAP record. ***Applicable to State Acknowledgement Transmissions Only.***

26. **"INVALID TOTAL FORM COUNT IN RECAP"** -- The FEPS will reject the entire transmission and generate an Error ACK file with the message if the number of ETD forms counted does not match the Total Form Count in columns 29-34 of the RECAP record.

27. **"INVALID TOTAL RETURN COUNT IN RECAP RECORD" --** The FEPS will reject the entire transmission and generate this Error ACK message when the number of tax returns counted does not match the Total Return Count in columns 29-34 of the RECAP record.

28. **"INVALID TRANA: WRONG LENGTH OR EMBEDDED #"** -- The FEPS will reject the entire transmission when the byte count of the first record is less than 120 and the end-of-record indicator (#) agrees with the byte count.

29. **"INVALID TRANB: WRONG LENGTH OR EMBEDDED #"** -- The FEPS will reject the entire transmission when the byte count of the second record is less than 120 and the terminus character (#) agrees with the byte count.

30. **"INVALID TRANSMISSION TYPE CODE" --** The FEPS will reject the entire transmission when the Trading Partner's transmission type code specified in column 118 of the TRANA record is not valid. Valid codes must equal one of the following codes:

" " (blank)	= regular 1040 Electronic Filing
"D"	= ETD
"N"	= ETD Online
"O"	= Online Filing
"Z"	= State Acknowledgement

31. **"THE ETIN CORRESPONDING TO THE EMS LOGIN ID AND THE ETIN IN THE TRANA RECORD WERE DIFFERENT"** -- The FEPS will reject the entire transmission when the ETIN in columns 84-88 of the TRANA record does not match the login ETIN.

32. **"MULTIPLE INNER ENVELOPE TRANA/TRANB RECORDS DETECTED AT RECORD nnnnnn"** -- The FEPS will reject the entire transmission if more than one TRANA record or TRANB record exists in the same inner envelope. ***Applicable to State Acknowledgement Transmissions Only.***

33. **"MULTIPLE TRANA/TRANB RECORDS DETECTED"** -- The FEPS will reject the entire transmission when multiple TRANA or TRANB or RECAP records are found within a file. ***Not Applicable to State Acknowledgement Transmissions.***

34. **"NO ACKNOWLEDGEMENTS WITHIN THE TRANSMISSION" --** The FEPS will reject the entire transmission if the number of inner envelope counted is zero (0), a communications error ack will be generated and returned to the State transmitter. ***Applicable to State Acknowledgement Transmissions Only.***

35. **"NO FORMS WITHIN THE TRANSMISSION"** -- The FEPS will reject the entire transmission when there are no ETD forms within a transmission.

APPENDIX I

Communication Error Messages continued

36. **"NO INNER ENVELOPE TRANA RECORD RECEIVED AT RECORD nnnn" --** The FEPS will reject the entire transmission if the first record in the inner envelope is not a correctly formatted TRANA record as follows:

    a) byte count and end of record indicator(#) do not agree or
    b) record sentinel **** is not present or
    c) TRANA is not in columns 9-14 or
    d) byte count is > 120 characters or is not numeric or
    e) CR or LF imbedded within the record.
    Applicable to State Acknowledgement Transmissions Only.

37. **"NO INNER ENVELOPE TRANB RECORD RECEIVED AT RECORD nnnn" --** If the second record in the inner envelope is not a correctly formatted TRANB record as follows:

    a) byte count and end of record indicator(#) do not agree or
    b) record sentinel **** is not present or
    c) TRANB is not in columns 9-14 or
    d) byte count is > 120 characters or is not numeric or
    e) CR or LF imbedded within the record.
    Applicable to State Acknowledgement Transmissions Only.

38. **"NO RECAP RECEIVED; POSSIBLY DUE TO A LINE PROBLEM"** – The FEPS will reject the entire transmission when the last record byte count and the end-of-record indicator (#) do not agree, or record sentinel (****) is not present, or "RECAP" is not in columns 9-14, or byte count is > 120 characters or is not numeric, or <CR> or <LF> is embedded within the record.

39. **"NO RETURNS WITHIN THE TRANSMISSION"** -- The FEPS will reject the entire transmission when there are no returns within a transmission.

40. **"NO TRANA RECORD RECEIVED"** -- The FEPS will reject the transmission when the first record byte count and end-of-record indicator (#) do not agree, or record sentinel (****) is not present, or "TRANA" is not in columns 9-14, or byte count is >120 characters or is not **numeric, or <CR> or <LF> is imbedded within the record.**

41. **"NO TRANB RECORD RECEIVED"** -- The FEPS will reject the entire transmission when the second record byte count and end-of-record indicator (#)do **not agree, or record sentinel (****) is not present, or "TRANB" is** not in columns 9-14, or byte count is >120 characters or is not numeric, or <CR> or <LF> is imbedded within the record.

42. **"NON-MATCHING ETIN IN INNER ENVELOPE RECAP AT RECORD nnnnnn" --** The FEPS will reject the entire transmission if an inner RECAP record is detected with an ETIN that does not match the ETIN in the inner envelope TRANA record. ***Applicable to State Acknowledgement Transmissions Only.***

Communication Error Messages continued

43. **"PRODUCTION-TEST CODE IN TRANA RECORD DOES NOT MATCH PROFILE"** --- The FEPS will reject the entire transmission when the Production/Test indicator in column 117 of the TRANA record does not match the production/test mode in the Trading Partner profile. ***Not applicable to inner TRANA of State Acknowledgement Transmission.***

44. **"THE T/P INDICATOR FOR INNER ENVELOPE AT RECORD nnnnnn MUST BE T for TEST" --** The The FEPS will reject the entire transmission when the state transmitter is in test mode, if the T/P indicator (Field 0160) of an 'inner envelope' TRANA record is not 'T'. ***Applicable to State Acknowledgement Transmissions Only.***

45. **"TRANSMITTER NOT VALID FOR TRANSMISSION TYPE"** --- The FEPS will reject the entire transmission when the Trading Partner profile in the TPDB does not allow the Transmission Type specified in column 118 of the TRANA record.

SECTION 2 – TRANSMISSION FILE FORMAT

.01 General Description

1. All transmission data must be in ASCII format. No binary fields may be transmitted.

2. A transmission session will normally consist of three parts:

   a. First, the communications link must be established using acceptable protocol.

   b. Next, the transmitter will receive the Acknowledgement transmission containing information about the previous transmission session, **if an Acknowledgement file exists**.

   c. Then, the return record transmission may commence. The return record transmission will consist of 1) a series of logical records, beginning with the TRANA record, 2) some number of logical return records, and 3) a RECAP Record.

-|

3. All return records must be in ascending order by Declaration Control Number (DCN) and Return Sequence Number (RSN).

4. Two four-byte fields (the Record Control Information) must precede each record within a transmission. The first four-byte field is a record Byte Count that will contain a count of the number of bytes within the logical record including the four bytes for the counter itself, four bytes for the Start of Record Sentinel (****), and one byte for the Record Terminus Character (#). The second four-byte field will be the Start of Record Sentinel, which must be four asterisks (****).

5. Every record must have the Record Terminus Character (#) as its last significant byte.

   Note: Provisions have been made to allow for **non-significant padding** to exist following the Record Terminus Character, i.e., CR or LF may be added after the Record Terminus Character to fill up a physical block size. This is permitted to accommodate all the different computer systems being used to transmit data.

6. The first records on a transmitted file, the TRANA and TRANB Records, contain information regarding the transmitter and file format. The tax return records should follow these records.

.01 General Description continued

7. The end of the logical transmission is signaled by the literal "RECAP". It is followed by the RECAP Record data and ends with the Record Terminus Character (#).

8. The TRANA, TRANB and RECAP records are fixed-length records of 120 bytes each. Any non-significant field should be blank-filled.

9. A tax return will consist of a variable number of fixed length or variable length records. The size and format of the logical record for each page of each schedule, form, etc., are specified in Part II Record Layouts. See Section 2 for file formats.

10. Each logical record should contain all data fields pertaining to one printed page of an official schedule or form, including the Form Payment, Authentication, Preparer Note, Election Explanation and Regulatory Explanation records, or to a line of a Statement Record. Therefore, the logical record contains an entire schedule or form, or a logical part (i.e., PG01 or PG02) of a schedule or form, or line of a Statement Record. See Section 8 for Statement Record information.

11. Each complete tax return must consist of all logical records pertaining to it in the following sequence:

    Form 1040/1040A/1040EZ Page 1
    Form 1040/1040A Page 2
    Schedules in alphabetical order or in Attachment Sequence Number order as preprinted on the official IRS form
    Forms in numerical order or in Attachment Sequence Number order as preprinted on the official IRS form
    (Forms W-2, W-2G, and 1099-R should precede other forms, and Form Payment should follow other forms)
    Authentication Record
    Statement Records
    Preparer Notes
    Election Explanations
    Regulatory Explanations
    State Records
    Summary Record

12. Schedule, Form, Statement, Preparer Note, Election Explanation and Regulatory Records can contain additional sequential Page Records if the record consists of more than one printed page. (Pages are only numbered within a schedule, form, or statement record, not across the return). All records must appear in the order above with the proper control information. The counts of the schedules and forms must match the counts in the Summary Record or the return will be rejected.

13. The file should be unlabeled (no standard header or trailer records).

14. Each file must contain only complete returns.

.01 General Description continued

15. The page should not be generated if there are no entries on a page record of a schedule or form. A blank page (Record ID Group only) will cause the return to be rejected, except in cases where multiple forms require that one page be present when the other page is present.

16. The first logical record of a tax return (i.e., Page 1 of the Form 1040/1040A/1040EZ) will contain the Record Control Information and Tax Return Record Identification (ID) Group, followed by the Return Sequence Number (RSN) and the Declaration Control Number (DCN). The Record ID Group includes the Record ID, Return Type, Page Number, Taxpayer Identification Number, and Tax Period.

    a. The Return Sequence Number (RSN) is a unique 16-digit number assigned by the transmitter to each return within a return transmission. The RSN includes the transmitter's Electronic Transmitter Identification Number (ETIN). The RSN consists of the following fields:

       (1) Electronic Transmitter Identification Number (ETIN) of the transmitter (5 numeric characters)
       (2) Transmitter Use Field, the value of which is determined by the transmitting electronic filer (2 numeric characters)
       (3) Julian Day of Transmission (3 numeric characters)
       (4) Transmission Sequence Number for the given Julian Day (2 numeric characters (00-99))
       (5) Sequence Number assigned to the return (4 numeric characters (0000-9999)

    b. The DCN is a 14-digit number assigned by the electronic filer to each return within a return transmission. The DCN must contain the Electronic Filer Identification Number (EFIN) of the electronic filer that originated the electronic submission of the return, even if the transmitter assigns the DCN as a service to the electronic return preparer. The DCN consists of the following fields:

       (1) Always "00" (2 numeric characters)
       (2) Electronic Filer Identification Number (EFIN) of the electronic filer (6 numeric characters)
       (3) Batch Number (3 numeric characters (000-999))
       (4) Serial Number (2 numeric characters (00-99))
       (5) Year Digit (1 numeric character)

       NOTE: When using variable format, begin bracketing field numbers on Page 1 of the tax return beginning with the RSN [0007].

SECTION 2 – TRANSMISSION FILE FORMAT

.02 Fixed and Variable Length Options

There are two options available for transmitting logical tax return records: fixed length (fixed format) and variable length (variable format). (The Transmitter Records TRANA, TRANB, and RECAP Record are not tax return records.)

See Section 5 for requirements related to specific field descriptions and types of characters.

1. Fixed Length Option (Fixed Format)

The fixed length option requires the complete tax return to be transmitted exactly as defined in Part II Record Layouts. All fields must be present. If a field contains no data, it must be blank-filled or zero-filled. An "F" in the Record Type (SEQ 0100) of the TRANS Record A (TRANA) indicates fixed-length option.

When the fixed length option is used, the following data field conventions must be followed:

a. Alphanumeric Fields - Fixed Format

(1) Left-justify the field with trailing blanks.

(2) When a "literal" is included in the field description, enter the literal value, left-justified, exactly as specified in Part II Record Layouts. Trailing blanks must be entered.

NOTE: The trailing blanks are not shown in the Record Layouts.

b. Numeric Fields - Fixed Format

(1) Unsigned numeric fields: Right-justify with leading zeros.

(2) Signed numeric fields (money amounts): Right-justify with leading zeros, reserving the right-most position for the Sign. A blank (" ") indicates a gain and a minus sign ("-") indicates a loss.

(3) Signed numeric fields that can also contain literal values: Enter signed numeric fields as described above. When entering a literal value, left-justify and blank-fill the field.

a. Preparer Note, Election Explanation and Regulatory Explanation Records

If less than 4,000 characters of data is present for one of these records, it is permissible to enter the Terminus Character immediately following the last significant character when filing in fixed format. If you choose to do this, be sure to adjust the byte count accordingly.

.02 Fixed and Variable Length Options continued

2. Variable Length Option (Variable Format)

The variable length option provides for the transmission of only control information, including the record ID group, significant data fields, and significant data within individual fields. Indicate the variable length option by entering a "V" in the Record Type (SEQ 0100) of the TRANS Record A (TRANA).

When the variable length option is used, the following data field conventions must be followed:

a. Alphanumeric Fields - Variable Format

(1) Left-justify data in the field. Do not enter leading blanks. Trailing blanks are dropped.

(2) When a "literal" is included in the field description, enter the literal value, left-justified, exactly as specified in Part II Record Layouts. Only the value of the literal (including embedded blanks) must be entered. Trailing blanks are dropped.

b. Numeric Fields - Variable Format

(1) Unsigned numeric fields: In most cases, leading zeros may be dropped.

Leading zeros cannot be dropped from the following: Date fields, Ratio (percentage) fields, Business Code field of Schedules C/C-EZ; Agricultural Activity Code field of Schedule F; Two-digit value of the Post of Duty field of Forms 2555/2555EZ; "Type of Use" fields of Form 4136.

(2) Signed numeric fields (money amounts): Leading zeros are dropped. For a positive value, the trailing blank that indicates a gain is dropped. For a negative value in a field that can contain either a gain or a loss, the minus sign ("-") must be entered in the last position of the signed numeric field.

(3) Signed numeric fields that can also contain literal values: Enter signed numeric fields as described above. When entering a literal value, left-justify the field; it is not necessary to enter trailing blanks.

.02 Fixed and Variable Length Options continued

c. Tax Form, Schedule, and Form Records - Variable Format

When transmitting in variable format, each Tax Form (Form 1040/1040A/1040EZ), Schedule, and Form Record will begin with the Record Control Information (Byte Count and Start of Record Sentinel fields) in the same fixed format shown in the record layouts. The Record Control Information is followed by the Record ID Group. Following the Record ID Group are the data fields. Each data field is preceded by the applicable Field Sequence Number, which is enclosed by square bracket field delimiters, "["and"]" The Field Sequence Number is a 4-position number. However, it is permissible to drop the first zero when bracketing the field sequence number. A minimum of three positions must be present. For example, you can use [0010] of [010] for Primary SSN of Page 1 of the Tax Return record. The Record Terminus Character (#) follows the last data field in the record.

Example:
nnnn****RECORD ID GROUP [1st field sequence number]DATA…[next field sequence number]DATA...# ("nnnn" is the record byte count)

NOTE: THE FOLLOWING THREE CHARACTERS **"[" , "]"**, and **"#"** ARE RESERVED AS DELIMITERS AND CANNOT APPEAR AS DATA CHARACTERS. See Section 5 for information about types of characters in electronically filed returns.

d. Preparer Note, Election Explanation and Regulatory Explanation Records

If fewer than 4000 characters of data are present for one of these records, the terminus character can be entered immediately following the last significant character.

e. State Records - Variable Format

See Section 12 for file format specifications for Federal/State Electronic Filing.

f. Statement and Summary Records - Variable Format

All data fields of the Statement and Summary Records must be formatted as fixed length fields. If a field contains no data, it must be blank-filled or zero-filled, as appropriate.

When transmitting in variable format, each Statement and Summary Record will begin with the Record Control Information (Byte Count and Start of Record Sentinel fields) in the same fixed format shown in the Part II Record Layouts. This is followed by the Record ID Group, the data fields formatted as fixed length fields, and the Record Terminus Character (#).

See Section 8 for Statement Record information.

.02 Fixed and Variable Length Options continued

3. Examples of Fixed and Variable Formats

a. Tax Form Record (Form 1040) - Variable Format

```
---------1--------2--------3-------4-------5----------6
0444****RET   1040  PG01 111001111  200012  [007]509280136201
0001[008]00510070001003[010]111001111[030]111002222[050]DIV
E[060]DEEPE C<DIVER[080]3333 QUACK BLVD[083]SEAPORT[087]CA[
095]90012[110]X[130]3[140]CORAL DIVER[160]X[167]1[360]01[37
5]20302[600]20302[750]20302#0176****RET   1040  PG02 111001
111 200012 [770]20302[789]2500[800]17802[810]1950[820]15852
[1030]2511[1130]2511[1160]4401[1250]4401[1260]1890[1270]129
0[1280]600[1323]SWIMMER#
```

b. Tax Form Record (Form 1040EZ) - Variable Format

```
---------1--------2--------3-------4-------5----------6
0263****RET  1040Z PG01 111001111  200012  [007]509280136201
0001[008] 00510070001003[010]111001111[030]111002222[050]DIV
E[060]DEEPE C<DIVER[080]3333 QUACK BLVD[083]SEAPORT[087]CA[
095]90012[110]X[375]20302[750]20302[820]15852[1160]4401[126
0]1890[1270]1290[1280]600[1323]SWIMMER#
```

c. Schedule Record - Fixed Format

```
---------1--------2--------3-------4-------5----------6
0308****SCH CZ1040  PG01 111001111 0000001DEEP C DIVERbbbbb
bbbbbbbbbbbbbbbbbb111001111BAKERYbbbbbbbbbbbbbb000612FLOWER
BAKERYbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb987654321555 BOTANIC
AL BLVDbbbbbbbbbbbbbbbbbGARDEN CITY NJ 07011bbbbbbbbbbX0000
0012000 00000002000 00000010000 1212199600100000000000000X
X X X #
```

d. Schedule Record - Variable Format

```
---------1--------2--------3-------4-------5----------6
0183****SCH  A1040  PG01 222002222 0000001[090]2900[100]797
[130]PERSONAL PROPERTY[135]800[140]800[150]4497[160]14000[2
90]1000[350]400[360]14000[380]3500[395]600[410]4100[520]229
97#
```

e. Form Record - Fixed Format

```
---------1--------2--------3-------4-------5----------6
0118****FRM   3903  PG01 111001111 0000001bbbbbbbbbbbbb0000
0010000 00000000000 00000010000 00000006000 00000004000 #
```

f. Form Record - Variable Format

```
---------1--------2------3-------4--------5----------6
0082****FRM   3903  PG01 222002222 0000001[040]10000[044]10
000[052]6000[180]4000#
```

SECTION 2 – TRANSMISSION FILE FORMAT

.02 Fixed and Variable Length Options continued

3. **Examples of Fixed and Variable Formats continued**

g. STCGL/LTCGL – Variable Format

Form 1040 return with a 1040 Schedule D form and 2 occurrences of Form 8865 with the first 3 pages. (Maximum STCGL = 15,000 per this example. Maximum LTCGL = 15,000 per this example.)

```
12345678911234567892123456789312345678941234567895123456789612345678971234 56
         0         0         0         0         0         0         0
0250****RET   1040  PG01 007018865 200212 [0007]…..
0173****RET   1040  PG02 007018865 200212 [0770]25000…..
0253****FRM   W-2   PG01 007018865 0000001[0040]871234567…..
0117****STCGL SCH  DPG01 007018865 0000001 0000001ANY COMPANY
123100000000100+00000000390+00000003450+#
0117****STCGL SCH  DPG01 007018865 0000001 0000002
123100000000100+00000000090+00000000450-#
0117****STCGL SCH  DPG01 007018865 0000001 0000003ONLY COMPANY
123100000000100+00000000090+00000000060+#
"      "            "      "            "      "
0175****SCH  D1040  PG01 007018865 0000001[0020]STCGL……
0117****STCGL 8865  PG01 007018865 00000010000001              200201012002
123100000000100+00000000090+00000000070+#
0117****STCGL 8865  PG01 007018865 00000010000002              200201012002
123100000000100+00000000090+00000000010+#
"      "            "      "            "      "
0129****LTCGL 8865  PG01 007018865 00000010000001              200201012002
123100000000050+00000000040+00000000010+            #
"      "            "      "            "      "
0129****LTCGL 8865  PG01 007018865 00000010004973              200201012002
123100000000050+00000000040+00000000010+            #
0129****LTCGL 8865  PG01 007018865 00000010004974              200201012002
123100000000050+00000000040+00000000010+            #
"      "            "      "            "      "
0098****FRM   8865  PG01 007018865 0000001[0006]200201……
0095****FRM   8865  PG02 007018865 0000001[1040]X…..
0129****FRM   8865  PG03 007018865 0000001[2480]STCGL[2490]20011015[2500]200
11031[2510]500[2520]200[2530]300[2750]300[2760]LTCGL#
0117****STCGL 8865  PG01 007018865 0000002 0000001             200201012002
123100000000100+00000000090+00000000070+#
0117****STCGL 8865  PG01 007018865 0000002 0000002             200201012002
123100000000100+00000000090+00000000010+#
"      "            "      "            "      "
0129****LTCGL 8865  PG01 007018865 0000002 0000001             200201012002
123100000000050+00000000040+00000000010+            #
0129****LTCGL 8865  PG01 007018865 0000002 0000002             200201012002
123100000000050+00000000040+00000000010+            #
"      "            "      "            "      "
0098****FRM   8865  PG01 007018865 0000002[0006]200201…..
0095****FRM   8865  PG02 007018865 0000002[1040]X…..
0129****FRM   8865  PG03 007018865 0000002[2480]STCGL[2490]20011015[2500]200
11031[2510]500[2520]200[2530]300[2750]300[2760]LTCGL#
0244****SUM              007018865        ANY CO
 169999      0100230100000000000000000400000000000065430786900000009 99.27.3
0.277                12345678
       #
```

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.01 Acknowledgement File Components

1. Every transmission will be acknowledged by the return of an Acknowledgement File (ACK File) to the transmitter. The Acknowledgement File will be available from the IRS service center to the transmitter within two workdays from the original transmission. The Acknowledgement File must be retrieved before sending a return file transmission.

2. If the entire transmission is rejected **by the Unisys programs**, the ACK File will contain the following:

   a. The original transmitter records (TRANA and TRANB).

   b. One ACK Record Set consisting of an ACK Key Record with a "T" in the Acceptance Code field and one ACK Error Record containing a maximum of 15 transmission reject errors related to this transmission.

   c. The Acknowledgement Recap Record (ACK Recap Record) with Fields 0070 through 0120 zero-filled.

3. If the transmission is accepted, the ACK File will contain the following:

   a. The original TRANA and TRANB sent by the transmitter with Field 0180 of the TRANA record updated with an IRS entry indicating the (Front-End Processing Subsystem/Central Processing Unit) FEPS/CPU Designator.

   b. Next, an Acknowledgement Record (ACK Record Set) is sent for each recognizable return transmitted.

   c. Next, the Acknowledgement Recap Record (ACK Recap Record), which is the original RECAP Record updated with counts of the Total Accepted Returns, Total Duplicated Returns, Total Rejected Returns, Total Duplicated EFT, IRS Computed EFT Count, and IRS Computed Return Count.

   d. And finally, the FEPS-generated Acknowledgement File Name containing the GTX Key (Field 0140 in the ACK Recap Record).

4. The Acknowledgement of an individual return is the ACK Record Set. An ACK Record Set consists of one ACK Key Record for an accepted return, or one ACK Key Record followed by up to 96 ACK Error Records for a rejected return.

   a. The ACK Key Record contains information to identify the return it represents, plus a field to indicate how many (if any) ACK Error Records follow. See Section 3.02.1 for the values of the Acceptance Code field of the ACK Key Record and Section 12.08 for the State Packet Acknowledgement format.

   b. If present, each ACK Error Record will contain data defining the Error Form Record Type, Error Form Record Number, the Error Form Occurrence for multiple occurrences of schedules or forms, the Error Field Sequence Number, and the Error Reject Code describing the specific error encountered.

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.01 Acknowledgement File Components continued

5. An "A" in the Acceptance Code field of an ACK Key Record indicates that the associated tax return has been accepted as a filed tax return and will be processed in the same manner as a return originally submitted on a paper document. This does not imply that the return will pass all IRS validity checks or post to the IRS Master File without delays.

6. The "D" in the Acceptance Code field of an ACK Key Record indicates that the associated tax return has been identified as a duplicate return, i.e., a tax return record had previously been transmitted and accepted for that Social Security Number.

7. The "R" in the Acceptance Code field of an ACK Key Record indicates that the associated tax return has been rejected due to a fatal error involving the return format, internal consistency, or data errors in a key field. The error(s) must be corrected and the return resubmitted to the IRS to be considered a filed tax return.

8. The "T" in the Acceptance Code field of an ACK Key Record indicates that the entire transmission has been rejected.

9. The "D" in the Duplicate Code field of an ACK Key Record indicates that the DCN is a duplicate or zero.

10. The "P" in the Duplicate Code of an ACK Key Record indicates that the Primary SSN is a duplicate or zero.

11. The "S" in the Duplicate Code of an ACK Key Record indicates that the Spouse SSN is a duplicate or zero.

12. The "B" in the Debt Code of the ACK Key Record indicates that a debt was found on both the FMS and IRS files for this return.

13. The "F" in the Debt Code of the ACK Key Record indicates that a debt was found on the FMS File for this return.

14. An "I" in the Debt Code of the ACK Key Record indicates that a debt was found on the IRS File for this return.

15. The "N in the Debt Code of the ACK Key Record indicates that no debt was found on either the FMS or IRS Files.

16. The "9" in the PIN Presence Indicator field means that no PIN is present on the return. Form 8453 or Form 8453-OL is required.

17. The "1" in the PIN Presence Indicator field means that taxpayer PIN is present and was entered using the Practitioner PIN method.

18. The "2" in the PIN Presence Indicator field means that taxpayer PIN is present and was entered using the Self-Select PIN method by Practitioner.

19. The "3" in the PIN Presence Indicator field means that taxpayer PIN is present and was entered using the Self-Select PIN method by Online.

.01 Acknowledgement File Components continued

20. The "4" in the PIN Presence Indicator field means that a State-Only return was filed.

    NOTE: Taxpayer PIN cannot be used with State-Only returns and Form 8453 or 8453-OL is NOT required.

21. A "(blank)" in the PIN Presence Indicator means that a return with a PIN was rejected.

22. The "R" in the Reserved IP Address Code field of the ACK Key Record indicates that a reserved IP address is present for this return.

23. Up to 96 ACK Error Record(s) may be furnished to the electronic filer, one for each four-position Error Reject Code. Filers should use these Error Reject Codes to determine the source of the error causing the return (or transmission) to be rejected. If more than the maximum number of reject conditions are identified, the last reject code will be "0999".

24. The Error Reject Codes and references to validation criteria related to the error conditions are listed in Attachment 1. Filers should use this information to resolve reject conditions. When a condition cannot be resolved with the information provided, the filer should contact the Electronic Filing Unit at the applicable submission processing center for assistance.

25. A "Y" in the **Non-Compliant** Indicator Field **(SEQ 0015)** on the ACK Key Record indicates:

    The taxpayer(s) has been identified as a Non-Compliant 8453-OL filer. The taxpayer(s) has failed to submit their Form 8453-OL, U.S. Individual Income Tax Declaration for an IRS e-file Online Return, for the past two years.

    These taxpayers(s) may be excluded from using the Form 8453-OL signature method in the future if the required Form 8453-OL signature document is not received by IRS.

26. A "blank" in the **Non-Compliant** Indicator Field **(SEQ 0015) on the ACK Key Record indicates these taxpayers have met the requirement to file their Form 8453-OL, U.S. Individual Income Tax Declaration for an IRS e-file Online Return.**

27. The "E" in the Acceptance Code field of an ACK Key Record indicates that this return has rejected previously with either ERC 501 and/or 504 and that this subsequent submission still has some invalid data. A math notice error will be sent to the taxpayer advising of any changes made to the return as a result of this exception processing. This returns will be processed in 4 to 6 weeks from the date of acceptance. DO NOT RESUBMIT THE TAX RETURN or FILE ON PAPER.

INTENTIONAL BLANK PAGE

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.02 Acknowledgement File Record Layouts

1. ACK KEY Record - Acknowledgement File Key Record

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120"
	Start of Record Sentinel		4	Value "****"
0000	Record ID		6	Value "ACKbbb"
0005	Reserved IP Address Code		1	"R" = Reserved or Blank
0015	**Non-Compliant Indicator (8453-OL)**		**1**	**"Y" or "Blank" (If "Y" see Section 3.01, Item 25 for more details)**
0020	Taxpayer Identification Number		9	N (Primary SSN)
0030	Return Sequence Number		16	Numeric ETIN (5), Transmitter's Use Code (2), Julian Day (3), Trans Seq Num (2), Seq Num for Return(4)
0040	Expected Refund or Balance Due		12	Refund or Balance Due from Applicable Return
0050	Acceptance Code		1	"A" = Accepted "R" = Rejected "D" = Duplicated Return "T" = Transmission Rejected "E" = Exception Processing
0060	Duplicate Code		3	"D" = Duplicate DCN or zero "P" = Duplicate Primary SSN or zero "S" = Duplicate Spouse SSN or zero

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.02 Acknowledgement File Record Layouts

1. ACK KEY Record - Acknowledgement File Key Record continued

Field No.	Identification	Form Ref.	Length	Field Description
0065	PIN Presence Indicator		1	"9" = No PIN Present (F8453 or 8453-OL Required) "1" = Practitioner PIN "2" = Self-Select PIN by Practitioner Used "3" = Self-Select PIN Online Used "4" = State-Only PIN, F8453/8453-OL is NOT Required Blank = Rejected Return
0070	EFT Code		1	Blank
0080	Date Accepted		8	DT Format = YYYYMMDD
0090	Return DCN		14	N
0100	Number of Error Records		2	N Range 00-96
0110	FOUO RET SEQ NUM		12	Reserved
0112	State DD Ind		1	Reserved
0115	Payment Acknowledgement Literal		15	"PYMNT RQST RVCD" or blank
0117	Date of Birth Validity Code		1	"0" = DOB Validation Not Required "1" = All DOB(s) Valid "2" = Primary DOB Mismatch "3" = Spouse DOB Mismatch "4" = Both DOB(s) Mismatch
0118	Filler		2	blank
0119	State-Only Code		2	"SO"
0120	Debt Code		1	"N" = None "I" = IRS Debt "F" = FMS Debt "B" = IRS and FMS debt or blank
0130	State Packet Code		2	blank or valid state code
	Record Terminus Character		1	Value "#"

.02 Acknowledgement File Record Layouts continued

2. ACK ERR Record - Acknowledgement File Error Record

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120"
	Start of Record Sentinel		4	Value "****"
0000	Record ID		6	Value "ACKRbb"
0010	Taxpayer Identification Number		9	N (Primary SSN) (Must match ACK Key Record)
0020	Reserved		7	Blank
0030	Error Record Sequence Number		2	N, 01-96
0040	Error Form Record ID		6	AN
0050	Error Form Record Type		6	AN
0060	Error Form Page Number		5	"PG00b" (page number is "00" (zero) for all IMF ACK ERR records)
0070	Error Form Occurrence		7	N (0000001-0000050)
0080	Error Field Sequence Number		4	N
0090	Error Reject Code		4	N (nnnn) (Refer to Attachment 1)
0100	Filler		55	blank
	Record Terminus Character		1	Value "#"

.02 Acknowledgement File Record Layouts continued

3. ACK ERR Record - Acknowledgement File Error Record
(For STCGL/LTCGL ONLY)

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120"
	Start of Record Sentinel		4	Value "****"
0000	Record ID		6	Value "ACKRbb"
0010	Taxpayer Identification Number		9	N (Primary SSN) (Must match ACK Key Record)
0020	Reserved		7	Blank
0030	Error Record Sequence Number		2	N, 01-96
0040	Error Form Record ID		6	STCGL, LTCGL
0050	Error Form Record Type		6	Sch D, 8865-1, 8865-2, 8865-3, 8865-4, 8865-5
0060	Error Form Page Number		5	"PG00b" (page number is 00" (zero) for all IMF ACK ERR records)
0070	Error Form Occurrence		7	N (0000001-0005000)
0080	Error Field Sequence Number		4	N
0090	Error Reject Code		4	N (nnnn)(Refer to Attachment 1)
0100	Filler		55	blank
	Record Terminus Character		1	Value "#"

.02 Acknowledgement File Record Layouts continued

4. ACK RECAP Record - Acknowledgement File Recap Record

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0126"
	Start of Record Sentinel		4	Value "****"
0000	Record ID		6	"RECAPb"
0010	Filler		8	Blank
0020	Total EFT Count		6	N
0030	Total Return Count		6	N, Range = (000001 999999)
0040	Electronic Transmitter Identification Number (ETIN)		7	N (includes Transmitter's Use Code)
0050	Julian Day of Transmission		3	N (Must be the same as on the TRANA record)
0060	Transmission Sequence		2	N
0070	Total Accepted Returns		6	IRS USE ONLY
0075	Total Exception Processing		6	IRS USE ONLY
0080	Total Duplicated Returns		6	IRS USE ONLY
0090	Total Rejected Returns		6	IRS USE ONLY
0100	Total Duplicated EFT		6	IRS USE ONLY
0110	IRS Computed EFT Count		6	IRS USE ONLY
0120	IRS Computed Return Count		6	IRS USE ONLY
0130	Total State-Only Return Count		6	N Range = (000001 999999)
0135	Total Accepted State-Only Returns		6	N Range = (000001 999999)
0137	Filler		5	Blank
0140	Acknowledgement File Name (GTX Key)		20	AN
	Record Terminus Character		1	Value "#"

.02 Acknowledgement File Record Layouts continued

4. ACK RECAP Record - Acknowledgement File Recap Record continued

NOTE: Fields 0000 and 0020-0060 are identical to those in the original RECAP Record.

Fields 0110 and 0120 are computed by IRS.

Fields 0000 and 0020-0060 are identical to those in the original RECAP Record.

Fields 0070, 0080, 0090, 0100, 0110, 0120, and 0140 are computed by IRS.

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.03 Examples of ACK Records

1. Example of Accepted Refund Return:

```
---------1---------2---------3---------4---------5---------6--------7--------8
0120****TRANAb123456789EFILEbINCbbbbbbbbbbbbbbbbbbbbbbbbbbPREPARER’SAGENTD200102
01199990003201AV729999bbbbbbbbbbbbbPbE#0120****TRANBb1234567893131bDEMOCRATbRDbb
bbbbbbbbbbbbbbbbbMEMPHISbTNbb38110bbbbbbbbbbbbbbbbbb9011234567bbbbbbbbbbbbbbbb#
0120****ACKbbbbb4444444441999900032010695000000000365+A000Yb020120010072999900694 1
000000000000680bbbbbbbbbbbbbbbbbbbNbb#0120****RECAPbbbbbbbbb00007000067199990003
2010000350000000000320000000000007000067bbbbbbbbbbbbbbbbbT20011125101553.0100#
```

2. Example of Rejected Refund Return:

```
---------1---------2---------3----------4--------5---------6--------7--------8
0120****TRANAb123456789EFILEbINCbbbbbbbbbbbbbbbbbbbbbbbbbbPREPARER'SbAGENTD200102
01199990003201AV729999bbbbbbbbbbbbbPbE#0120****TRANBb1234567893131bDEMOCRATbRDbb
bbbbbbbbbbbbbbbbbMEMPHISbTNbb38100bbbbbbbbbbbbbbbbbb9011234567bbbbbbbbbbbbbbbb#01
20****ACKbbbbb4444444441999900032010696000000000326+R000bb0201200100729999006951 02
0000000000690bbbbbbbbbbbbbbbbbbbbbbb#0120****ACKRbb444444444bbbbbbb01FRMbbb1116bbP
G00b000001400000030bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb#0120*
***ACKRbb444444444bbbbbbb02FRMbbb1116bbPG00b000000000000045bbbbbbbbbbbbbbbbbbbbbb
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb#0120****RECAPbbbbbbbbb00000700006719999000320100
0035000000000032000000000007000067bbbbbbbbbbbbbbbbbT20011123111015.0200#
```

3. Example of Rejected Transmission:

```
---------1---------2---------3----------4--------5---------6--------7--------8
0120****TRANAb123456789EFILEbINCbbbbbbbbbbbbbbbbbbbbbbbbbbPREPARER'SbAGENTD200102
01199990003201AV729999bbbbbbbbbbbbbPbA#0120****TRANBb1234567893131bDEMOCRATbRDbbb
bbbbbbbbbbbbbbbbbMEMPHISbTNbb38100bbbbbbbbbbbbbbbbbb9011234567bbbbbbbbbbbbbbbb#012
0****ACKbbbbb0000000000000000000000000000000000000T000000000000000000000000000000010
000000000000000000000000000000000000#0120****ACKRbb000000000bbbbbbbb84000000000000
000000000000000000000000000000000000000000000000000000000000000000000000000000#0120***
*RECAPbbbbbbbbb00000700006719999000320100000000000000000000000000000007000067bbbbbb
bbbbbbbbbbbT20010110200001.0100#
```

Note: If more than one transmission reject code is applicable, the additional reject codes will be placed in Field 0100. The maximum number of 15 transmission reject codes can be present.

4. Example of Accepted Refund Return with State Packet Attached:

```
---------1---------2---------3---------4---------5---------6---------7---------8
0120****TRANAb123456789EFILEbINCbbbbbbbbbbbbbbbbbbbbbbbbbbPREPARER’SAGENTD200102
01199990003201AV729999bbbbbbbbbbbbbPbB#0120****TRANBb1234567893131bDEMOCRATbRDbbb
bbbbbbbbbbbbbbbbbMEMPHISbTNbb38110bbbbbbbbbbbbbbbbbb9011234567bbbbbbbbbbbbbbbb#
0120****ACKbbbbb4444444441999900032010695000000000365+A000Yb020120010072999900694 1
000000000000680bbbbbbbbbbbbbbbbbbbNSC#0120****RECAPbbbbbbbbb00007000067199990003
2010000350000000000320000000000007000067bbbbbbbbbbbbbbbbbT20010110200101.0700#
```

SECTION 3 – ACKNOWLEDGEMENT FILE FORMAT

.04 How to Batch and Match Returns with Acknowledgement Files

1. File Names

The following information is provided to filers who may not be aware of how to batch their returns and match them up later with Acknowledgement Files. Because filers request to "re-hang" Acknowledgement Files so frequently, it may be that their software is not reading and storing properly the ACK File Name(s) that appear within the ACK File Transmission. **The ACK File Name is generated by the Front-End Processing Subsystem (FEPS) as a 20 byte GTX Key and passed onto the UNISYS with the return file.** After UNISYS processing, this ACK File Name is returned with the ACK file in the RECAP record. When the ACK file is returned to the Transmitter, it is renamed to a DOS 8.3 byte format called the ACK Reference File Name with an extension. The name contains the same month and day from the GTX Key, a 4 digit sequence number assigned by the FEPS for that transmission, followed by the extension. See Figure 34 for an explanation of the extension.

How to Batch Returns

Returns are to be transmitted, using the following specifications from the latest version of the Electronic Return File Specifications and Record Layouts.

a. In Part II, **Section 1**, the record layout for the TRANA, the first record in any transmission, indicates where the return file batch information is to be entered.

b. In Field 0060, the 5 digit ELECTRONIC TRANSMITTER IDENTIFICATION NUMBER (ETIN) assigned by the IRS, is entered. This is followed by TRANSMITTER'S USE CODE, 2 digits of the transmitter's choice to specify the type of returns (some transmitters use this field to identify which office or branch it belongs to or if it is a RAL return, etc.). It can also be left blank or zero filled.

c. In Field 0070, the 3 digit JULIAN DAY (001-365) follows. Field 0080 is composed of 2 digit TRANSMISSION SEQUENCE NO (00-99) for the above Julian Day.

d. In Part II, **Section 2**, the record layout for the TAX RETURN RECORD for page 1 of either the Form 1040, 1040A, or 1040EZ, indicates where the RETURN SEQUENCE NUMBER is entered, which is used for each return within the batch identified in the TRANA record above.

e. Field 0007, the 16 digit RETURN SEQUENCE NUMBER (RSN), is composed of the following sub-fields:

a.	ETIN of Transmitter	5n	= Field 0060 of the TRANA
b.	TRANSMITTER'S USE FIELD	2n	= Field 0060 of the TRANA
c.	JULIAN DAY OF TRANSMISSION	3n	= Field 0070 of the TRANA
d.	TRANSMISSION SEQUENCE NUMBER	2n	= Field 0080 of the TRANA (00-99)
e.	SEQUENCE NO. OF EACH RETURN	4n	= 0000-9999

NOTE: Dedicated leased line filers can file a maximum of 10,000 returns.

.04 How to Batch and Match Returns with Acknowledgement Files continued

f. In Field 0008, the 14 digit DECLARATION CONTROL NUMBER (DCN), that is also used on the corresponding Form 8453 signature document, is composed of the following sub-fields:

a. Always 00	2n	= 00
b. EFIN of ERO	6n	= (Assigned to ERO by IRS)
c. Batch Number of EROs returns	3n	= 000-999
d. Serial Number of return in batch	2n	= 00-99
e. Year	1n	= (ending digit of tax year)

g. In Part II, the record layout appears for the RECAP record, which ends a transmission.

h. Field 0040, the ETIN and TRANSMITTER'S USE CODE must equal the same one in Field 0060 of the TRANA.

i. In Field 0050, the JULIAN DAY must equal the JULIAN DAY in Field 0070 of the TRANA.

j. In Field 0060, the TRANSMISSION SEQUENCE NUMBER must equal Field 0080 of the TRANA.

2. Assignment of File Name by FEPS

a. After transmitting a file, the system indicates that it was successfully received with the message: "**Transmission file has been received with the following GTX Key:**

Syyymmddhhmmss.xxxx mmddnnnn

The Global Transaction (GTX) key is a series of unique numbers identifying the system that received it and day/time information. After the GTX key, the system generates a unique file name for the transmission that will be used as part of the Acknowledgement Reference File Name returned to the transmitter. The GTX Key is placed in field 0140 of the Acknowledgement File ACK RECAP Record. Transmissions and Acknowledgements can be matched using the 20 character GTX Key, the ETIN, and/or the ACK Reference File Name.

b. The Acknowledgement Reference File Name consists of the 4-digit numerical representation of the transmission month and day (MMDD) followed by a 4-digit sequence number for the transmissions received to date for that transmitter (0000-9999). The Acknowledgement Reference File Name will be part of the file name returned to the transmitter.

See Appendix A for more information on the Ack File Reference Name.

CAUTION: After receiving transmission 9,999, the system begins to number again with 0000 or the next available sequence number after 0000. Therefore, if large transmitters do not pick up ACK files within a few days, they may see this number repeated and not be able to identify which batch is which, or their software may overwrite a previous ACK file in their directory on their PC.

CAUTION: If more than 100 batches per ETIN in a day are filed, the transmitter should request another ETIN.

.04 How to Batch and Match Returns with Acknowledgement Files continued

3. Receiving, Locating, Storing, and Matching ACK Files

a. In Part I, **Section 3.01**, the Acknowledgement File format appears. It is composed of the original TRANA and TRANB received from the Transmitter, followed by the ACK KEY Record, ACK ERR Record(s) as applicable, and the ACK RECAP record.

b. In Part I, **Section 2.02**, the ACK KEY RECORD is outlined.

(1) Field 0030 contains the RETURN SEQUENCE NUMBER (RSN) as submitted by the Transmitter in Field 0007 of page 1, 1040, 1040A, 1040EZ.

(2) Field 0090 contains the return Declaration Control Number (DCN), as submitted by the Transmitter in Field 0000, page 1, 1040, 1040A, or 1040EZ.

c. In Part I, **Section 2.02**, the ACK RECAP is outlined.

(1) Field 0040 contains the ETIN plus TRANSMITTER'S USE CODE as in the original transmitter's RECAP.

(2) Field 0050 contains the JULIAN DAY OF TRANSMISSION as in the original transmitter's RECAP.

(3) Field 0060 contains the TRANSMISSION SEQUENCE NUMBER FOR JULIAN DAY in Field 0050, as in the original transmitter's RECAP.

(4) Field 0140 contains the ACKNOWLEDGEMENT FILE NAME, which was generated by the FEPS in the **"Transmission file has been received with the following GTX Key"** message. (Software developers/transmitters must program to wait for this message and should store the File Name for comparison with the ACK File transmission when received.)

d. In summary, the transmitter and ERO have numerous ways of matching up their batches of return files they transmitted with the ACK files they receive.

.04 How to Batch and Match Returns with Acknowledgement Files

e. CAUTION:

(1) Block zero ("0") identifies the filename. Data is transmitted starting in Block one ("1") up to Block "255" and then rolls to Block "0". The last block for the file is padded with "Ctrl Z" characters. The next transmission packet should be the End of Transmission (EOT) character (ASCII – "cntl d"). If there is another file, the next block, Block "0" will contain the next filename. Otherwise a Block "0" without a filename will be followed by the EOT character.

(2) **If using ZMODEM, Acknowledgement Files are sent as separate files within the transmission, with "zfile" and "eof" in between each file, with a "zfin" at the end of all files.** Filer's software should read for the "zfile" and "eof" and store the file under the IRS File Name in the directory for each ACK File within the ACK transmission. The Front-End Processing System is set to overwrite when sending ACK Files.

(3) Sometimes transmitters will use a different protocol if they are having problems with one. **Transmitter's software must be flexible to handle the above rules when various file transfer protocols might be used in order to parse their individual ACK files properly for correct storage in their directories.** Otherwise, transmitters may not realize they have received more than one ACK file and store multiples under one of the ACK File Names.

f. ETD Batching and Matching

The ETD batching and Acknowledgement File processing follow the same patterns as 1040 returns.

Intentional Blank Page

SECTION 4 – TYPES OF RECORDS

.01 Transmitter Records

See Part II Record Layouts for the exact formats of the Trans Record "A" (TRANA), Trans Record "B" (TRANB), and RECAP Record.

1. TRANA and TRANB Records*

   The first two records of a transmitted file are the Transmitter Records TRANA and TRANB. These records contain data entered by the transmitter. (The "transmitter" is defined as the firm transmitting directly to the IRS.)

2. RECAP Record

   The RECAP Record follows the Tax Return Records and is the final record of a transmitted file. The RECAP Record provides balancing counts for the tax returns contained in the transmitted file.

.02 Tax Return Records

See Part II Record Layouts for the exact formats of individual records listed below. All records within a tax return should appear in the order listed in Part II, Record Layouts or in the order of the Attachment Sequence Number preprinted on the corresponding paper form. (Refer to Section 2.01, Item 11)

All "total" fields must have a significant entry when there are amounts leading to the total. Any "total" field that has a significant entry must have at least one significant amount leading to that total. Otherwise, processing of the tax return will be delayed to resolve the discrepancy.

1. Tax Form Record

   Each tax return must begin with the Tax Form Record, which consists of Form 1040 Page 1 and Form 1040 Page 2, or Form 1040A Page 1 and Form 1040A Page 2, or Form 1040EZ Page 1.

2. Schedule and Form Records

   Some schedules and forms consist of multiple pages. Each page of a multiple-page schedule or form is a separate record within the tax return.

   Multiple occurrences of certain schedules and forms are permitted. Refer to Attachment 11 for a list of the maximum number of schedules and forms permitted in an electronically filed tax return. When there are multiple occurrences of schedules or forms, the Page Number must be sequential within the Form/Schedule Occurrence Number of the schedule or within the Form Occurrence Number of a form.

.02 Tax Return Records continued

a. Instructions for Multiple Occurrences of Schedules C and C-EZ:

Schedule C and Schedule C-EZ are separate schedule types. The Form/Schedule Occurrence Number in the Record ID must be incremented starting with "0000001" for each schedule type. For example, if a joint return contains four Schedules C for the primary taxpayer and one Schedule C-EZ for the secondary taxpayer, the first Schedule C will contain "0000001" in the Form/Schedule Occurrence Number, the second Schedule C will contain "0000002" in the Form/Schedule Occurrence Number, etc. The Form/Schedule Occurrence Number for the Schedule C-EZ will contain "0000001". If this format is not followed, the return may be rejected or the refund delayed.

The number of Schedules C plus the number of Schedules C-EZ cannot exceed a total of eight. When eight Schedules C are transmitted, no Schedule C-EZ can be transmitted. When a Schedule C-EZ is transmitted for a taxpayer, no Schedule C can be transmitted for the same taxpayer.

b. The "Form Payment" record is considered to be a form, although there is no equivalent paper form.

3. Foreign Employer Compensation (FEC) Record

The FEC RECORD is required information to support entries to Line 7, Forms 1040 and 1040A, and Line 1, Form 1040EZ, for compensation received from non-U.S. employers who do not have EIN'snor issue Forms W-2. The FEC RECORD must be completed when the Foreign Employer Compensation Literal, Field No. 0378 of the Tax Form indicates "FEC". A maximum of 10 FEC RECORD's are permitted. The total of Foreign Employer Compensation Amount(s) from Field No. 0220 of the FEC RECORD(s) is reported in the Foreign Employer Compensation Total, Field No. 0379, of Forms 1040, 1040A, and 1040EZ. The appropriate address fields, U.S. or Foreign, must be completed on the FEC RECORD to identify the location at which the wage-recipient resided when the services for the Foreign Employer were performed. If the services for the Foreign Employer were performed in the U.S., enter alphabetic "US" (not shown in the Country Code Table) for the Country Code Field No. 0130.

4. Authentication Record

The Authentication (ATH) Record is used when the taxpayer(s) is filing an Online return and/or electing to use the Self-Select or Practitioner PIN (Personal Identification Number) for *e*-file signature option. Only one Authentication Record is permitted per tax return.

5. Statement Records

Statement Records can only be used by the electronic filer when the number of data items exceeds the number that can be contained in the space provided on the printed schedule or form, or when the data must be provided on a separate continuation statement record, or when a statement of explanation is required for a specific condition.

See Section 8 for Statement Record information.

.02 Tax Return Records continued

6. STCGL/LTCGL Records

"STCGL" is the Short Term Capital Gain or Loss Record and "LTCGL" is the Long Term Capital Gain or Loss Record. Each record is considered a separate transaction. These transaction records are used when there is a need to transmit five or more transactions with an electronically filed return. (Use the Schedule D to report four or less for short term and long term transactions.) Each Schedule D and/or F8865 occurrence may have up to 5000 transaction records (i.e.,5000 short term and 5000 long term). The "STCGL" and/or "LTCGL" transaction record must be transmitted prior to the parent form (i.e., Sch. D or 8865). The "STCGL" can be submitted without the "LTCGL" and vice versa. When the "STCGL" or "LTCGL" transaction record is present, then "STCGL" or "LTCGL" record CANNOT be blank. All "STCGL" and/or "LTCGL" transaction records must be in the appropriate numerical order based on occurrence number within subpart occurrence and each set must start with "0000001".

7. Preparer Note, Election Explanation and Regulatory Explanation Records

a. Preparer Note (NTE) records can be used by the paid preparer, electronic return originator or taxpayer to provide additional, voluntary information related to the tax return but not required to be attached to it.

b. Election Explanation (ELC) records are used when the taxpayer makes an election for certain tax treatment, status, exception or exemption based on an instruction for the tax form or in a related tax publication when there is no official IRS form designed for that purpose. The specific "election" must be cited followed by any explanatory or supporting information required. Multiple elections can be combined on one page record; separate page records can be used for each applicable election; and/or, multiple page records can be used for one election. The maximum number of ELC page records is 20. Enter the terminus character (#) after the last significant character in each ELC page record.

c. Regulatory Explanation (REG) records are similar to Election Explanation records and are used when the taxpayer cites a specific regulation for certain tax treatment, status, exception or exemption when there is no official IRS form designed for that purpose. The specific "regulation" must be cited followed by any explanatory or supporting information required. Multiple regulatory explanations can be combined on one page record; separate page records can be used for each applicable regulation cited; and/or, multiple page records can be used for one regulatory explanation. The maximum number of REG page records is 20. Enter the terminus character (#) after the last significant character in each REG page record.

.02 Tax Return Records continued

8. State Records

State Records include the Generic Record "STbbbb0001bb" and the Unformatted Record "STbbbb0002bb". There can be only one Generic Record for each return. There can be up to nine Unformatted Records for each return. The Generic Record must be present and must precede any other State Record.

See Section 12 for specifications and examples of the State Records.

9. Summary Record

The Summary Record is the final record for each tax return. This record contains electronic filer identification data, the counts for Form, Schedule, Authentication, Statement, Preparer Note, Election Explanation, and Regulatory Explanation Records included in the return, and the paper document indicators. (A value of "1" in a paper document indicator field shows that the paper document specified is a part of the return and has been attached to the Form 8453). It also contains the Electronic Postmark fields, the IP (Internet Protocol) fields and the Software Identification fields.

SECTION 5 TYPES OF CHARACTERS

This section identifies the types of characters that are valid for an electronically filed return. Although characters other than these may be entered by a taxpayer on the paper form, the invalid characters are not key entered to the electronically filed return.

THE FOLLOWING THREE CHARACTERS **"["** , **"]"**, and **"#"** ARE RESERVED AS DELIMITERS AND CANNOT APPEAR AS DATA CHARACTERS. The left ([) and right (]) brackets are used to enclose Field Sequence Numbers. The Pound Sign (#) (Record Terminus Character) is used to indicate the End of Record.

.01 Allowable Characters

1. Alpha (A)

   Upper case alpha characters only: A - Z

   Literal values - Enter exact character string from the Field Description in Part II Record Layouts.

2. Numeric (N)

   Numeric characters only: 0 - 9

   a. **MONEY AMOUNT** (N) (Signed Numeric) -

      Enter whole dollar amounts (do not enter cents).

      (1) Fixed format: 12 characters, right-justified with leading zeros; the right-most position is reserved for the sign. A blank ( ) indicates a gain and a minus sign (-) indicates a loss.

          Non-significant - Zero-fill the field, reserving the right-most position for the sign.

      (2) Variable format: Leading zeros are dropped. For a positive value, the trailing blank that indicates a gain is dropped. For a negative value in a field that can contain either a gain or a loss, the minus sign (-) must be present in the last position of the signed numeric field.

          Non-significant - Omit the field.

.01 Allowable Characters continued

b. **RATIO** (R) (percentage) - Left-justify and zero-fill for both fixed and variable formats. DO NOT ENTER A DECIMAL POINT. Other than the exception listed below, ratio fields contain six numeric characters with the decimal point assumed to be between the left-most and the second left-most positions. If less than 100%, precede with a zero.

Examples: 25.32% = 025320, 105% = 105000

(1) EXCEPTION: "Rate" fields on Form 4136 equal six numeric characters. The decimal point is assumed to precede the left-most position. Transmit all six positions, left-justified and zero-filled.

Examples: Rate .183 = 183000
Rate .03967 = 039670
Rate .17 = 170000

c. **EIN** (Employer ID Number) (N), e.g., if no EIN is present on Schedule C or Schedule F - for fixed format, blanks should be entered; for variable format, the field should be omitted.

d. **ZIP CODE** (N) should be left-justified. For fixed format, if there are only five Zip Code characters, the seven remaining positions can be either blank-filled or zero-filled. For variable format, if there are only five Zip Code characters, transmit the five numeric characters.

e. **DATE** (DT) - M = Month, D = Day, Y = Year (YYYY, YYYYMM, YYYYMMDD, MMYYYY, MMDDYYYY); if date is not known or covers various dates, enter zeros unless otherwise specified in the record layout field description. Leading zeros cannot be dropped from date fields for both fixed and variable formats.

If a date field is not defined as "DT" in Part II Record Layouts, then the Field Description will specify the required date format.

f. **OTHER UNSIGNED NUMERIC FIELDS** (N)

(1) Fixed format: Enter the numeric characters, right-justified and zero-filled.

Non-significant - Blank-fill (unless otherwise specified in the Record Layout for that field).

.01 Allowable Characters continued

(2) Variable format: For most unsigned numeric fields other than ratio, EIN, Zip Code, and date fields, leading zeros may be dropped.

Leading zeros cannot be dropped from the Business Code field of Schedules C/C-EZ nor from the Agricultural Activity Code field of Schedule F. The leading zero cannot be dropped from the two-digit value of the Post of Duty field of Forms 2555/2555EZ, Foreign Employer Compensation (FEC) Record, or from the "Type of Use" fields of Form 4136.

Non-significant - Omit the field.

3. Alphanumeric (AN)

Upper case alpha characters A - Z; numeric characters 0 - 9; and special characters in cases listed below.

Literal values - Enter exact character string from Field Description in Part II Record Layouts.

Non-significant - For fixed format, blank-fill; for variable format, omit the field.

a. Special Characters - Only the following are permitted in certain cases: Ampersand (&); blank ( ), often shown in the record layouts as "b"; comma (,); hyphen (-); less-than (<); percent (%); plus (+); and slash (/).

b. Special Symbols and their hexadecimal conversion characters for ASCII are below:

Symbol	ASCII Hex	Symbol	ASCII Hex
[	5B	-	2D
]	5D	&	26
#	23	/	2F
<	3C	%	25

SECTION 5 TYPES OF CHARACTERS

.02 Special Cases for Special Characters

1. Form 1040

   Name Line 1: A - Z; ampersand (&); blank ( ); hyphen (-); and less-than (<).

   Name Line 2: A - Z; 0 - 9; ampersand (&); blank ( ); hyphen (-); percent (%) for "in care of" address; and slash (/).

   Street Address: A - Z; 0 - 9; blank ( ); hyphen (-); and slash (/).

   City: At least three characters must be entered; A - Z; blank ( ); APO/FPO - Refer to Attachment 4.

   State: A - Z - Refer to Attachment 3.

   Dependent Names: A - Z; blank ( ); and hyphen (-).

2. Form 5329

   Name of Person Subject to Penalty Tax: A - Z; blank ( ); hyphen (-); and less-than (<).

3. Form 8606

   Nondeductible IRA Name: A - Z; blank ( ); hyphen (-); and less-than (<).

4. Forms W-2/W-2G/W-2GU/1099-R

   Employer Name: A - Z; 0 - 9; ampersand (&); comma (,); hyphen (-); plus (+); and slash (/).

   City/State/Zip: A - Z; 0 - 9; comma (,); and hyphen (-).

5. Foreign Employer/Payer Address on Forms W-2/W-2G/W-2GU/1099-R

   Employer/Payer State: Period (.).

6. Employee, Recipient/Winners with Foreign Address on Form W-2/W-2G/W-2GU/1099R

   Employee/Recipient/Winner State: Enter Period (.).

7. Other Schedules/Forms with Similar Fields

   Follow character set instructions for fields that most resemble those listed above.

8. Summary Record

   IP Address: 0-9, A-F, period (.), colon (:), or blank ().

SECTION 6 - CRITERIA FOR FILER FRONT-END CHECKS

.01 Refund Delay Conditions

The following conditions may delay the refund and/or change the refund amount.

1. Taxpayer owes back taxes, either individual or business (refund offset).

2. Taxpayer owes delinquent child support (refund offset).

3. Taxpayer has certain delinquent federal debit, such as student loans, etc. (refund offset).

4. The last name and social security number of the primary taxpayer must be the same as on last year's return or the return will be delayed at least one week for rematching. It is **strongly** suggested that you use the name as it appears on the mailing label of the tax package.

5. The Estimated Tax payments reported on the return do not match the Estimated Tax payments recorded on the IRS Master File. This generally occurs when:

   a. The spouse made separate Estimated Tax payments and filed a joint return, or vice versa; or

   b. The return was filed before the last Estimated Tax payment was credited to the account.

6. The taxpayer has a Schedule E claiming a deduction for a questionable tax shelter.

7. The taxpayer is claiming a blatantly unallowable deduction.

8. The taxpayer is considered to be a first-time filer. A first-time filer is defined as an taxpayer who has not filed a tax return as a primary or secondary taxpayer during the previous ten years.

SECTION 6 - CRITERIA FOR FILER FRONT-END CHECKS

.02 Optional Social Security Number Validation against Label

Preparers may wish to make a computer check on the validity of the SSN's of those taxpayers who have IRS preprinted mailing labels to prevent data entry errors that would result in delayed refunds. The two alpha characters that appear on the IRS label are check digits that can be used to verify the SSN. Use the following formula to validate the transcription of the SSN when the taxpayer presents an IRS mailing label:

1. Generate the high order check digit by multiplying the specific digits by the appropriate weight multiple.

Digit of the SSN	Times	Weight Multiple
1st position (high order)	X	+1
2nd position	X	+2
3rd position	X	-4
4th position	X	+1
5th position	X	+2
6th position	X	-4
7th position	X	+1
8th position	X	+2
9th position	X	-4

2. Add the products to an accumulator. If the net result of the accumulation is within the range of 0 through -22, select the alphabetical equivalent from the alphabetic table below. If the net result is outside the range of the table, check the sign of the accumulation.

   If the sign is plus, subtract 23 from the result; if the sign is minus, add 23 to the result. Repeat this until the result is within the range of the table and select the alphabetic equivalent from the table for the high order position of the check digit.

.02 Optional Social Security Number Validation against Label continued

3. Generate the low order position of the check digit by multiplying the specific digits by the appropriate weight multiple.

Digit of the SSN	Times	Weight Multiple
1st position (low order)	X	+1
2nd position	X	-3
3rd position	X	+1
4th position	X	-3
5th position	X	+1
6th position	X	-3
7th position	X	+1
8th position	X	-3
9th position	X	+1

4. Add the products to an accumulator and repeat the calculation in "2" above to arrive at the low order position of the check digit.

5. Alphabetic Table

0 = A	-8 = K	-16 = T
-1 = B	-9 = L	-17 = U
-2 = C	-10 = N	-18 = V
-3 = D	-11 = O	-19 = W
-4 = F	-12 = P	-20 = X
-5 = H	-13 = Q	-21 = Y
-6 = I	-14 = R	-22 = Z
-7 = J	-15 = S	

SECTION 6 - CRITERIA FOR FILER FRONT-END CHECKS

.03 SSN Validation

Refer to Attachment 9 for valid ranges of Social Security/Taxpayer Identification Numbers.

.04 Optional Validation of Routing Transit Number (RTN)

Verify the validity of the Routing Transit Number by computing the check digit, which is the ninth digit of the RTN. There may be instances in which the RTN is valid in format and equal to an actual number used by a financial institution, but is not yet on the Financial Management Organization Master File (FOMF). In these cases, the tax return would be rejected.

The steps are as follows:

1. Multiply each of the first eight digits of the RTN by the appropriate multiplier (the first digit multiplied by 3, the second by 7, the third by 1, the fourth by 3, the fifth by 7, the sixth by 1, the seventh by 3, and the eighth by 7).

2. Add all the products.

3. Subtract the sum of all the products from the next multiple of ten.

4. The remainder is the check digit, which must be equal to the ninth digit of the RTN.

   Note: If the sum of the products is evenly divisible by 10, the check digit is zero (0).

5. Example:

   If 120139013 were the RTN, verify the check digit as follows:

   a. Multiply each of the first eight digits, 12013901, by 37137137 respectively:

Routing Transit Number	1	2	0	1	3	9	0	1
Constant Multiplier	X3	X7	X1	X3	X7	X1	X3	X7
	3	14	0	3	21	9	0	7

   b. Add the products: 3 + 14 + 0 + 3 + 21 + 9 + 0 + 7 = 57

   c. Subtract the sum of all the products from the next multiple of ten: 60 - 57 = 3

   d. The remainder is the check digit: 3

   e. If the check digit does not equal the ninth digit of the RTN, verify that the first eight digits of the RTN were correctly entered from the source document and recompute if appropriate.

      Note: If the check digit does not match, the refund cannot be directly deposited.

SECTION 7 – FORMATS FOR NAME CONTROLS, NAME LINES, AND ADDRESSES

The instructions in sub-sections 7.01 through 7.04 must be carefully followed to avoid delaying returns for error conditions. They must be included in electronic filers' programs as consistency tests and in the data entry instructions.

The Primary SSN, Primary Name Control, State Abbreviation, and Zip Code should be key verified to avoid lengthy delays caused by mismatches with existing taxpayer information in IRS records or by undeliverable refund checks.

.01 Name Controls for Individual Tax Returns

1. Primary Name Control (SEQ 0050) of Form 1040/1040A/1040EZ must equal the first four significant characters of the primary taxpayer's last name. No leading or embedded spaces are allowed. The first left-most position must contain an alpha character. Only alpha, hyphen, and space are allowed. Omit punctuation marks, titles and suffixes.

   Spouse's Name Control (SEQ 0055) of Form 1040/1040A/1040EZ, Dependent Name Control (SEQ 0172, 0182, 0192, 0202, 0212) of Form 1040/1040A, Qualifying Child Name Control (SEQ 0007, 0077) of Schedule EIC, Parent Name Control (SEQ 0045) of Form 8615, and Child Name Control (SEQ 0015) of Form 8814 must meet the same criteria.

   Examples:

Individual Name	Primary Name Control
John Brown	BROW
John Di Angelo	DIAN
John En, Sr.	EN
John Lea-Smith	LEA-
Joe McCarty	MCCA
Mary Smith & John Jones	SMIT
John O'Neil	ONEI

2. Consider certain foreign suffixes as part of the last name (i.e., Armah-Bey, Paz-Ayala, Allar-Sid). Particular attention must be given to those names that incorporate a mother's maiden name as a suffix to the last name. This practice is common in names of Spanish extraction. Consider the mother's maiden name as part of the surname for Name Control purposes.

   Examples:

Individual Name	Primary Name Control
Abdullah Allar-Sid	ALLA
Jose Alvarado Nogales	ALVA
Juan de la Rosa Y Obregon	DELA
Pedro Paz-Ayala	PAZ-
Donald Vander Neut	VAND
Otto Von Wodtke	VONW
John Big Eagle	BIGE
Mary Her Many Horses	HERM
John Smith Gonzalez	GONZ
Maria Acevedo Smith	SMIT
John Garcia Garza Hernandez	GARZ

SECTION 7 – FORMATS FOR NAME CONTROLS, NAME LINES, AND ADDRESSES

.01 Name Controls for Individual Tax Returns continued

3. Below are examples of Indo-Chinese last names and the derivative Name Control. Some Indo-Chinese names have only two characters. Indo-Chinese names often have a middle name of "Van" (male) or "Thi" (female).

   Examples:

Individual Name	Primary Name Control
Binh To La	LA
Kim Van Nguyen	NGUY
Nhat Thi Pham	PHAM
Jin-Zhang Qui & Yen-Yin Chiu	QUI

.02 Name Line 1 Format

1. Name Line 1 (SEQ 0060) of Form 1040/1040A/1040EZ can have no leading or consecutive embedded spaces. The only characters allowed are alpha, ampersand (&), hyphen (-), less-than sign (<), and space. The left-most position must be alpha. The less-than sign replaces the intervening space to identify the primary taxpayer's last name. It cannot be preceded by or followed by a space.

2. All apostrophes (') and any other punctuation characters, except the hyphen (-), must be omitted from names and the alphabetic characters shifted to the left in their place (e.g., O'Shea = OSHEA).

3. Numeric characters in name components must be replaced by alphabetic Roman Numerals (e.g., Charles 3rd = CHARLES III).

4. When a suffix such as “JR” or “III” is part of the name, enter a less-than sign (<) between the suffix and the last name. Do not enter a space before or after any less-than sign; the less-than sign takes the place of a space.

   Titles such as “M.D.” or “Ph. D.”, which are not part of a give name, may be omitted.

5. Name Line 1 CANNOT CONTAIN MORE THAN 35 CHARACTERS.

   If information in Name Line 1 exceeds 35 characters, truncate using the following priority:

   a. Substitute the initial for the second given name.

   b. Omit the second initial of the secondary taxpayer, if necessary.

   c. Omit the second initial of the primary taxpayer, if necessary.

   d. Substitute initials for the secondary taxpayer's given name.

   e. Substitute initials for the primary taxpayer's given name.

.02 Name Line 1 Format continued

6. Enter taxpayer names as follows:

   a. For one taxpayer: Enter first name, a space, middle name or middle initial, a less-than sign (<), last name. (The last name of the individual must be contained within this name line field.) If there is a suffix, enter a less-than sign (<) between the last name and the suffix.

   b. For two taxpayers with same last name: Joint returns must contain one ampersand (&) between taxpayers' first names. The taxpayer whose first name is associated with the Primary SSN used on the return must be entered first, and the last name of that taxpayer must be identified by a preceding less-than sign (<).

   c. For two taxpayers with different last names: If the spouse uses a different last name, enter the primary taxpayer's first and last names as above for one taxpayer's name, but after the last name, add another less-than sign (<) followed by an ampersand and the full name of the spouse. A maximum of two less-than signs are permitted. Any suffixes should follow the primary taxpayer's last name only.

Examples:*	Enter as:
John C. (Brown), III	JOHN C<BROWN<III
John M. (Brown), M.D.	JOHN M<BROWN
Henry A. (Carter)	HENRY A<CARTER
Frank N. (De Porta)	FRANK N<DE PORTA
Timothy (Jackson), 2nd	TIMOTHY<JACKSON<II
Carl A. (Jones) & Angie Myer	CARL A<JONES<& ANGIE MYER
Charles (Jones) & Diane D. Jones, M.D.	CHARLES & DIANE D<JONES
Florence E. (Jones) MD	FLORENCE E<JONES
Alfred (Newman), Minor	ALFRED<NEWMAN<MINOR
James R. (O'Donnell)	JAMES R<ODONNELL
James (Oliver-Keogh), 3rd	JAMES<OLIVER-KEOGH<III
Lillie B. (Owen-Smith)	LILLIE B<OWEN-SMITH
J. B. (Smith) Jr. & Ann Trent	J B<SMITH<JR & ANN TRENT
John A. (Smith), III & Ann Smith, M.D.	JOHN A & ANN<SMITH<III
John A. and Jane B. (Smith)	JOHN A & JANE B<SMITH

   d. For other than Joint Return and deceased taxpayer: Enter the literal "DECD" after the surname of the deceased taxpayer (e.g., John A<Doe<DECD or John A<Doe<JR DECD).

   e. For a Joint Return with the same last name and Primary taxpayer is deceased: Enter the literal "DECD" after the first name and/or initial of the deceased taxpayer (e.g., John A DECD & Jane B<Doe or John A DECD & Jane B<Doe<JR).

   f. For a Joint Return with the same last name and Secondary taxpayer is deceased: Enter the literal "DECD" after the first name and/or initial of the deceased taxpayer (e.g., John A & Jane B DECD<Doe or John A & Jane B DECD<Doe<SR).

.02 Name Line 1 Format continued

g. For a Joint Return with different last names and either the Primary OR the Secondary taxpayer is deceased: Enter the Literal "DECD" after the surname of the deceased taxpayer (e.g., John A<Doe<DECD & Jane B Smith or John A<Doe<III DECD & Jane B Smith; John A<Doe<& Jane B Smith DECD or John A<Doe<JR & Jane B Smith DECD).

h. For a Joint Return with the same last name and both taxpayers are deceased: Enter the literal "DECD" after the first name and/or initial of the deceased taxpayer (e.g., John A DECD & Jane B DECD<Doe or John A DECD & Jane B DECD<Doe<JR).

i. For a Joint Return with different last name and both taxpayers are deceased: Enter the literal "DECD" after the surname of the deceased taxpayer (e.g., John A<Doe<DECD & Jane B Smith DECD or John A<Doe<SR DECD & J B Smith DECD).

* Parentheses indicate the last name of the taxpayer with Primary SSN.

SECTION 7 – FORMATS FOR NAME CONTROLS, NAME LINES, AND ADDRESSES

.03 Street Address Format

1. The Street Address (SEQ 0080) of Form 1040/1040A/1040EZ contains the house number and street, route number, post office box, or box number. Enter college, building, or post office branch as the address if no other mailing address is given. If there is no address information, the literal "NONE" must be entered in the Street Address field.

2. Do not use the "#" symbol, "No.", or "Number" as a prefix to an apartment, house, P.O. Box, or route.

3. Always add "ST", "ND", "RD", "TH" to a numbered street or avenue. Examples: 1 = 1ST; 2 = 2ND; 3 = 3RD, etc.

4. Enter one-half as 1/2 (no spaces).

5. Plurals for apartment, avenue, road, street, etc., are entered as APTS, AVES, RDS, STS, etc.

6. Replace a period with a space.

7. For military overseas addresses, enter the letters "APO" or "FPO" in the first three left-most positions of the City field. Refer to Attachment 4 for list of valid APO/FPO City/State/Zip Codes.

8. Words may be abbreviated unless the word is a proper name. Refer to Attachment 2 for list of acceptable abbreviations.

Examples:	Enter as:
3 Ave.	3RD AVE
Circle Drive	CIRCLE DR
Lane Building	LANE BLDG
Northeast Street	NORTHEAST ST
South Court Street	S COURT ST
Third Street	THIRD ST

SECTION 7 – FORMATS FOR NAME CONTROLS, NAME LINES, AND ADDRESSES

.04 Name Line 2 Format

Name Line 2 (SEQ 0070) of Form 1040/1040A/1040EZ is used for a street address that requires two lines or for an "in care of" address.

An "in care of" address must be indicated by a percent (%) character, followed by a space, followed by the name of the person who is in care of the delivery.

```
Example 1:   Mr. John Jones
             In care of Alice B. Smith
             801 Brown St.

Enter As:    JOHN JONES         (Primary First Name, Primary Last Name)
             % ALICE B SMITH    (Name Line 2)
             801 BROWN ST       (Street Address)
```

If two addresses are present, enter the actual mailing address in the Street Address field. Enter the post office box in the Street Address field only if the post office does not deliver mail to the street address. The remaining address should be entered in the Name Line 2 field. Do not enter a post office box in the Name Line 2 field.

```
Example 2:   Mr. John Jones
             80 Erie Street Apartment 5
             Great Lakes Resort

Enter As:    JOHN JONES         (Primary First Name, Primary Last Name)
             GREAT LAKES RESORT (Name Line 2)
             80 ERIE ST APT 5   (Street Address)

Example 3:   Mr. John Jones
             1 Lost Way
             P.O. Box 1502

Enter As:    JOHN JONES         (Primary First Name, Primary Last Name)
             1 LOST WAY         (Name Line 2)
             PO BOX 1502        (Street Address)

Example 4:   Mr. John Jones
             P.O. Box 150
             State University

Enter As:    JOHN JONES         (Primary First Name, Primary Last Name)
             STATE UNIVERSITY   (Name Line 2)
             PO BOX 150         (Street Address)
```

SECTION 7 – FORMATS FOR NAME CONTROLS, NAME LINES, AND ADDRESSES

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2

The business Name Control consists of four alpha and/or numeric characters. The ampersand (&) and hyphen (-) are the only special characters permitted in the Name Control. The Name Control can have fewer than four characters. Blanks may be present only as the last two positions of the Name Control.

1. Individuals (Sole Proprietorships)

Always use the first four characters of the individual's (sole proprietor's) last name.

Examples:

Name Control Underlined	Name Control
Arthur P. Aspen	ASPE
Jane & Mark Hemlock The Sunshine Cafe	HEML
John and Mary Redwood	REDW

2. Estates

Always use the first four characters of the last name of decedent. The last name of the decedent may be followed by the word "Estate" in the first name line.

Examples:

Name Control Underlined	Name Control
Estate of Jay Gold	GOLD
Homer J. Maroon Estate	MARO
Frank White Estate Alan Baker Exec.	WHIT

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

3. Partnerships

Determine the Name Control using the following order of selection:

a. Derive the Name Control for partnership entities from the trade or business name of the partnership. Omit the word "The" when it is followed by more than one word. Include the word "The" when it is followed by only one word.

Examples:

Name Control Underlined	Name Control
Alabaster Group B.J Fuschia, M.L. Magenta, & R. T . Indigo Ptrs.	ALAB
The Green Parrot	GREE
Harold J. Crimson & Bernard L. Ochre et at Ptr. Howard Azure Development Co.	HOWA
W.P Plum & H.N. Lavender dba P & L Pump Co.	P&LP
Rose Restaurant	ROSE
The Blues	THEB
Violet Drywall Finishers William Wheat, Gen. Ptr	VIOL

b. If no trade or business name is present, derive the Name Control from the surname of the first listed partner.

Examples:

Name Control Underlined	Name Control
Burgundy, Olive & Cobalt, Ptrs.	BURG
Bob Orange & Carol Black	ORAN
G.H. Orchid et al Ptrs.	ORCH
A.B., C.D., & E.F. Turquoise	TURQ

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

4. Corporations

a. Use the first four significant characters of the corporation name.

Examples:

Name Control Underlined	Name Control
11th Street Inc.	11TH
Falcon Field Plow Inc.	FALC
J.R. Oriole Inc.	JROR
P & P Company	P&PC
Purple Martin Ltd.	PURP
RS Corporation	RSCO
Whippoorwill Homeowners Assn.	WHIP
Y-Z Drive Co.	Y-ZD
ZZZ Club	ZZZC

b. When determining a corporate Name Control, omit the word "The" when it is followed by more than one word. Include the word "The" when it is followed by only one word.

Examples:

Name Control Underlined	Name Control
The Meadowlark Co.	MEAD
The Swan	THES

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

c. If an individual name contains the following abbreviations, use corporate Name Control rules.

SC - Small Corporation
PA - Professional Association
PC - Professional Corporation
PS - Professional Service

Examples:

Name Control Underlined	Name Control
Carl Sandpiper M.D.P.A.	CARL
John Waxwing PA	JOHN
Sam Sparrow SC	SAMS

d. When the organization name contains the word "Fund" or "Foundation," corporate rules still apply.

Examples:

Name Control Underlined	Name Control
The Joseph Eagle Foundation	JOSE
Kathryn Canary Memorial Fdn.	KATH

e. Corporate Name Control rules apply to local governmental organizations and to chapter names of national fraternal organizations.

Examples:

Name Control Underlined	Name Control
City of Fort Hulsache Board of Commissioners	CITY
House Assn. Of Beta XI Chapter of Omicron Delta Kappa	HOUS
Rho Alpha Chapter Epsilon Alpha Tau Fraternity	RHOA
Waxwing County Employees Association	WAXW

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

5. Trusts and Fiduciaries

Derive the Name Control from the name of the trust, using the following order of selection:

a. For individuals, use the first four characters of the last name.

Examples:

Name Control Underlined	Name Control
Richard L. Aster Charitable Remainder Unitrust	ASTE
Testamentary Trust U/W Margaret Balsam Cynthia Ivy & Laura Iris	BALS
Donald C. Begonia Trust FBO Mary, Karen, & Michael Violet	BEGO
Jonathan Periwinkle Irrevocable Trust FBO Patrick Redwood Chestnut Bank TTEE	PERI

b. For corporations, use the first four characters of the corporate name.

Examples:

Name Control Underlined	Name Control
Daisy Corp. Employee Benefit Trust	DAIS
Marigold Association Charitable Lead Trust	MARI
Morningglory Church Endowment Trust John J. Waxbean, Trustee	MORN

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

c. For numbered trusts and GNMA Pools, use the first digits of the trust number disregarding any leading zeros and/or trailing alpha characters. If there are fewer than four numbers, use the letters "GNMA" to complete the Name Control.

Examples:

Name Control Underlined	Name Control
GNMA Pool No. 00100B	100G
ABCD Trust No. 001036, Lotusbank TTEE	1036
Trust No. 12190, FBO Margaret Lily	1219
0020, GNMA POOL 20GN	

d. If none of the above information is present, use the first four characters of the last name of the trustee (TTEE) or beneficiary (FBO).

Examples:

Name Control Underlined	Name Control
Testamentary Trust Edward Bluebell TTEE	BLUE
Trust FBO The Cherryblossom Society	CHER
Trust FBO Eugene Eucalyptus	EUCA
Michael Tulip Clifford Trust	TULI

Note: "Clifford Trust" is the name of a type of trust.

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

6. Other Organizations

a. The only organization that will always be abbreviated is Parent Teachers Association (PTA). The Name Control is "PTA" plus the first letter of a State, whether or not the state name is present as part of the name of the organization.

Examples:

Name Control Underlined	Name Control
Parent Teachers Association of San Francisco	PTAC
Parent Teachers Association Congress of Georgia	PTAG

b. If the business name contains an abbreviation other than "PTA," the Name Control is the first four characters of the abbreviated name.

Examples:

Name Control Underlined	Name Control
A.I.S.D	AISD
R.S.V.P. Post No.245	RSVP

c. The Name Control is the first four characters of the national title.

Examples:

Name Control Underlined	Name Control
Local 210 International Canary Assn.	INTE
Laborers Union, AFL-CIO	LABO
Post 3120, Veterans of Space Wars of U.S. Dept. of Georgia	VETE

.05 Business Name Controls for Forms W-2, W-2G, W-2GU, 1099-R, 2441 and Schedule 2 continued

d. When an individual name and corporate name appear, the Name Control is the first four letters of the corporate name.

Example:

Name Control Underlined	Name Control
Barbara J. Zinnia ZZ Grain Inc.	ZZGR

e. For churches and their subordinates (i.e., nursing homes, hospitals), derive the Name Control from the legal name of the church.

Examples:

Name Control Underlined	Name Control
St. Bernard's Methodist Church Bldg. Fund	STBE
Diocese of Kansas City St. Rose's Hospital	STRO
St. Silver's Church Diocese of Larkspur	STSI

.06 Foreign Employer/Payer Address on Forms W-2/W-2G/W-2GU/1099-R

1. Employer/Payer Name Line 2: Foreign Street Address - If none, enter "NONE".

   Employer/Payer Address: Foreign city, province or postal code.

   Employer/Payer City: Foreign country name. Do not abbreviate the country name.

   Employer/Payer State: Period (.).

2. Employee, Recipient/Winners with Foreign Address on Form W-2/ W-2G/1099-R

   Employee/Recipient/Winner Street Address: Foreign Street Address. If none, enter "NONE".

   Employee/Recipient/Winner Address Continuation: Foreign city, province or postal code

   Employee/Recipient/Winner City: Foreign Country Name. Do not abbreviate country name unless absolutely necessary.

   Employee/Recipient/Winner State: Enter Period (.).

INTENTIONAL BLANK PAGE

SECTION 8 – STATEMENT RECORDS

.01 General Information

Statement Records are transmitted as part of the tax return and can only be used when the Field Description in the Record Layouts contains "STMbnn". Statement Records follow the Tax Form, Schedules, Forms and Authentication Records and precede the Preparer Note, Election Explanation, Regulatory Explanation, State and Summary Records.

The record layouts for Form 5471, Form 5713 and especially Form 8865 and associated schedules contain statement references identified as "Global". These statement fields are usually found at the end of the data for a page of the form, right before the Record Terminus character. These statements are to be used to enter any data for statements/attachments that are referenced on the form or in the form instructions but do not have their own separate "Statement" field within the record layout.

See Section 10.02 for Error Reject Codes pertaining to Statement Records.

See Part II Record Layouts for the fields that can contain "STMbnn" and to determine how the data fields should be formatted.

See Part II Record Layouts Section 5 for the Statement Record Layout.

.02 Types of Statement Records

There are two types of Statement Records:

1. **Optional Statement Records** are used only when there are not enough occurrences in the Record Layouts for all the occurrences of a field needed for a particular schedule or form. An optional Statement Record must contain at least four Statement Lines. Fields that can contain a reference to an optional Statement Record are identified in the Record Layouts by an asterisk (*) before the Field Sequence Number. Related fields, which are identified by a plus sign (+), must be included in the Statement Record.

   Example:
   A taxpayer files Schedule A to claim a deduction for three types of other taxes paid, but the Record Layout for Line 8 of Schedule A only allows for one occurrence of "Other Taxes Type" (SEQ *0130) and "Other Taxes Amount" (SEQ +0135). A statement reference is entered in the field "Other Taxes Type" (SEQ *0130) of Schedule A, and each Statement Line (03-05) of the corresponding Statement Record will contain the type and amount for each of the other taxes paid.

2. **Required Statement Records** are used only when a statement of explanation is necessary. A required Statement Record must contain at least three Statement Lines and the second line must be blank. Fields that can contain a reference to a required Statement Record are identified in the Record Layouts by an at-sign (@) before the Field Sequence Number. Unlike optional statement fields, which can contain either data or a statement reference, required statement fields can contain a statement reference only.

.02 Types of Statement Records continued

Example:

A taxpayer files Schedule A to claim a deduction for interest paid on a mortgage by the taxpayer and another person, but the Form 1098 was received by the other person. The taxpayer is required to provide the name and address of the other person. A statement reference is entered in the field "Form 1098 Name/Address" (SEQ @0165) of Schedule A, and the name and address are entered in Statement Line 03 of the corresponding Statement Record.

.03 Statement Record Format

1. Each line of a Statement Record is counted as a separate record and must contain the Byte Count, Start of Record Sentinel, Record ID Group (Fields 0000 through 0006), Statement Data (Field 0010) and the Record Terminus Character. Each line is a fixed-sized record of 123 bytes whether transmitting in fixed or variable format. Delimiters "[" and "]" are not used on statement records.

2. Each statement line of the Statement Record contains the 80-character Statement Data.

   When the total length of the related fields is less than 80 characters, the line must be blank-filled to equal the length of 80 characters.

   When the total length of the related fields exceeds the 80-character length of the Statement Data (Field 6) of the Statement Record, the information must be provided in two parts. The second part is actually a separate "continuation" Statement Record, which requires a separate statement reference and statement number. Fields that can contain a reference to continuation statement record are identified by an asterisk and a plus sign (*+) before the Field Sequence Number.

3. The individual data fields of Statement Records are not keyed to Field Sequence Numbers. Therefore, all data fields must be formatted as fixed length fields, so that the data will appear in the correct positions. If a field contains no data, it must be blank-filled or zero-filled, as appropriate.

4. Each Statement Reference on the tax return must have a corresponding Statement Record.

5. The total number of Statement Records cannot exceed the total number of Statement References entered in the tax return.

.03 Statement Record Format continued

6. A maximum of 30 Statement References can be entered in a tax return.

7. A Statement Record can contain a maximum of two pages. The first page can contain a maximum of 50 lines. The second page can contain a maximum of 49 lines. There is an absolute limit of 999 statement lines permitted for each tax return.

   When the second page of a Statement Record is used, data fields are entered on the first line (LN51) of Page 02 in the same format used for lines 03 - 50 of Page 01.

   Note: If desired, the line numbering for Page 02 can begin with "LN01", instead of "LN51"; however, do not enter titles and column headings in the first two lines of Page 02, regardless of the line numbering style used.

8. The Statement Reference and the corresponding Statement Record contain a Statement Number, which can equal any number from 01 to 99. The Statement Reference Numbers on the tax return must be in ascending numerical sequence and must be referenced in the same order as the transmission sequence of the schedules and forms. A Statement Number cannot be used more than once.

   Note: Although Statement Numbers must be in ascending sequence, they do not have to be in consecutive numerical sequence.

9. The first line of the first page of a statement record (PG01 LN01) will contain a literal description (title) of the statement record. It is recommended that the name and page of the schedule or form precede any other descriptive information entered on this line (e.g., "SCHEDULE B PAGE 1 Schedule B Interest Income").

10. An <u>optional</u> statement record must contain at least four lines. The second line of the first page of an optional statement record (PG01, LN02) contains the column headings from the schedule or form (e.g., "ST PROP DESCRIP", "DATE.."), with the headings spaced as they would appear on the printed form).

11. Each subsequent line of an <u>optional</u> statement record (LN03 to LN99) contains the related data fields in the format in which they appear in the record layouts. It is imperative that the data fields are entered in the statement record with the exact length and format defined in the record layouts.

12. A <u>required</u> statement record must contain at least three lines. The second line of a required statement record (LN02) must be blank.

13. Each subsequent line of a <u>required</u> statement record is used as needed for a narrative statement of explanation or to supply any additional information required.

SECTION 8 – FORMATS FOR STATEMENT RECORDS

.04 Examples of Optional Statement Records

1. Optional Statement Record - Page 01 and Page 02 (Fixed or Variable Format)

   The following example includes Page 01 and Page 02 of a Statement Record for Schedule B. The Statement Reference Number "STM 01" is entered in the field "Interest Payer 1" (*SEQ 0030) of Schedule B.

   Page 01 Line 01:

```
---------1---------2---------3---------4---------5---------6
0123****STM 01      PG01 333003333 LN01   bbbbbbbbbbbbbbbbb
SCHEDULE B INTEREST INCOMEbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

   Line 01 of Page 01 contains the name (and page number if present) of the schedule or form and a title describing the information contained in the statement record. Blanks may be placed before the text in Line 01 to "center" the title.

   Page 01 Line 02:

```
---------1---------2---------3---------4---------5---------6
0123****STM 01      PG01 333003333 LN02   bbbbbbbbbbbbbbbbb
INTEREST PAYERbbbbbbbbbbbbbbbbbbbbbAMOUNTbbbbbbbbbbbbbbbbbbb
bb#
```

   Line 02 of Page 01 contains column titles (headers) for an Optional Statement Record. The spacing of the column titles is determined by the filer, allowing for easy readability.

   Page 01 Line 03:

```
---------1---------2---------3---------4---------5---------6

0123****STM 01      PG01 333003333 LN03   FIRST NATIONAL BAN
Kbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb00000000350 bbbbbbbbbbbbbbb
bb#
```

   Line 03 is the first line containing data for individual fields. The data fields are entered in the statement lines as they would be entered on the schedule or form. In this example, the first data field is alphanumeric with a length of 50 characters. The information for this field equals 19 characters, including embedded blanks, so the remaining 31 characters are blank-filled.

   The next data field is a signed numeric field with a length of 12 characters. A money amount field must contain 11 numeric characters followed by a blank for a positive amount, or by a minus sign for a loss. In this example, the value of the money amount is 350, so the entry is right-justified and zero-filled with eight zeros, allowing for a blank in the 12th position.

   The total of the maximum lengths of the two data fields in this example equals 62 characters (50 + 12). The length of the Statement Data must equal 80 characters, so 18 blanks follow the last character of the second data field.

.04 Examples of Optional Statement Records continued

Page 01 Line 04:

```
---------1---------2---------3---------4---------5---------6
0123****STM 01      PG01 333003333 LN04   LOTS OF MONEY MARK
ETbbbbbbbbbbbbbbbbbbbbbbbbbbbbb00000000200 bbbbbbbbbbbbbbb
bb#
```

Lines 04 - 50 of Page 01 are used to report additional interest.

Page 01 Line 50:

```
---------1---------2---------3---------4---------5---------6

0123****STM 01      PG01 333003333 LN50   CREDIT UNIONbbbbbb
bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb00000004800 bbbbbbbbbbbbbbb
bb#
```

In this example, interest has been received from more than 48 payers, so Page 02 of the same Statement Record will be used.

Page 02 Line 51:

```
---------1---------2---------3---------4---------5---------6

0123****STM 01      PG02 333003333 LN51   FORTY NINE SAVINGS
 AND LOANbbbbbbbbbbbbbbbbbbbbbbb00000006000 bbbbbbbbbbbbbbb
bb#
```

Data fields are entered on the first line (LN51) of Page 02 in the format used for lines 03 - 50 of Page 01. Although "LN51" is used as the number of the first line of Page 02 in this example, the line numbering for Page 02 can begin with "LN01", if desired. In either case, do not enter titles and column headings in the first two lines of Page 02.

Lines 51 - 99 (or 01 - 49) of Page 02 are used as needed.

.04 Examples of Optional Statement Records continued

2. Optional Statement Record (Fixed or Variable Format)

The following is an example of the first part of a two-part Statement Record for Schedule E Page 2 Part III. The second part is actually a separate Statement Record with its own Statement Reference Number, but is referred to as a "continuation" Statement Record.

For the first part of the Statement Record in this example, the Statement Reference Number "STM 02" is entered in the field "Estate/Trust Name A" (*SEQ 1790) of Schedule E.

Line 01:

```
---------1---------2---------3---------4---------5---------6
0123****STM 02      PG01 444004444 LN01   SCHEDULE E PAGE 2
PART IIIbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Line 02:

```
---------1---------2---------3---------4---------5---------6
0123****STM 02      PG01 444004444 LN02   COLUMN Abbbbbbbbbb
bbbbbbbbbbbbbbbbbbbb
```

.04 Examples of Optional Statement Records continued

3. Optional Statement Record - Continuation Statement (Fixed or Variable Format)

   For the Continuation Statement Record in this example, the Statement Reference Number "STM 03" is entered in the field "Passive F8582 Loss" (*+SEQ 1807) of Schedule E.

Line 01:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN01   SCHEDULE E PAGE 2
PART III CONTINUATIONbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Line 02:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN02   COLUMN C    COLUMN
 D    COLUMN E    COLUMN F    bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Lines 03-06 contain data in Column D only; Columns C, E, and F must be zero-filled.

Line 03:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN03   00000000000 000000
01600 00000000000 00000000000 bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Line 04:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN04   00000000000 000000
00500 00000000000 00000000000 bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Line 05:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN05   00000000000 000000
01600 00000000000 00000000000 bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

Line 06:

```
---------1---------2---------3---------4---------5---------6
0123****STM 03      PG01 444004444 LN06   00000000000 000000
03000 00000000000 00000000000 bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb
bb#
```

SECTION 8 – FORMATS FOR STATEMENT RECORDS

.05 Reporting Money Amount Fields and Totals

The following "total" fields on the tax form, schedules, and forms should reflect the total of the money amount fields reported on the related Statement Record. If a Statement Record is not present, the applicable money amount should be entered in the specific field and repeated in the "total" field.

Schedule/Form	SEQ #	Identification
Form 1040 Page 1	0590	Total Other Income
	0697	Total Alimony Paid
	0735	Total Other Adjustments
Form 1040 Page 2	1136	F8882 Literal
Schedule A	0140	Total Other Taxes Amount
	0410	Total Unreimbursed Employee Business Expense Amount
	0435	Total Other Expenses
	0495	Total Other Expenses
Schedule B	0025	Total Seller Financed Mortgage Amount
Form 6198	0040	Total Other Gain/Loss

SECTION 9 - VALIDATION – TRANSMISSION RECORDS

Balance Due Returns and Refund Returns can be included in the same transmission.

If any of the following reject conditions exist in a Transmission Record, the entire transmission will be rejected.

For detail description of Error Reject Codes, see Publication 1346 Attachment 1.

.01 General Transmission Reject Conditions

ERC 0805, 0823, 0825

.02 TRANS Record A (TRANA) Reject Conditions

ERC 0439, 0824 -|

.03 RECAP Record Reject Conditions

ERC 0830, 0831, 0832, 0840

INTENTIONAL BLANK PAGE

SECTION 10 - VALIDATION - TAX RETURN

.01 General Reject Conditions

For detail description of Error Reject Codes, see Publication 1346 Attachment 1.

ERC 0001, 0010, 0014, 0030, 0033, 0034, 0035, 0044, 0045, 0500, 0501, 0502, 0503, 0504, 0505, 0506, 0507, 0508, 0509, 0510, 0511, 0512, 0513, 0514, 0515, 0516, 0517, 0520, 0521, 0524, 0525, 0526, 0527, 0528, 0600, 0999

.02 Statement Record Reject Conditions

ERC 0005, 0050, 0051, 0052, 0053

.03 Tax Return Record Identification (Record ID) Reject Conditions

ERC 0003, 0028, 0029, 0031, 0032, 0060, 0061, 0062, 0064, 0529

SECTION 10 - VALIDATION - TAX RETURN

.04 Tax Return Carry-Forward Lines

In general, the amount on the Tax Form (Form 1040 and Form 1040A) must equal the amount carried from the following schedules and forms. Refer to the specific Error Reject Code in Section 11 or Attachment 1 for exceptions and additional conditions pertaining to the Error Reject Code.

Field on the Tax Form:				Field from the Schedule or Form:		
ERC	SEQ#	Identification		Sch/Frm	SEQ#	Identification
0076:	0380	Taxable Interest	=	Sch B/ Sch 1	0290	Taxable Interest
0077:	0394	Total Ordinary Dividends	=	Sch B/ Sch 1	0525	Total Ordinary Dividends
0099:	0440	Business Income/Loss	=	Sch C	0710	Net Profit (Loss)
						plus
				Sch C-EZ	0710	Net Profit
0078:	0450	Capital Gain/Loss	=	Sch D	2400	Combined Net Gain/Loss
						or
					2540	Allowable Loss
0081:	0470	Other Gain/Loss	=	4797	1030	Redetermined Gain/Loss
0079:	0510	Rent/Royalty/Part/ Estates/Trusts Inc	=	Sch E	1150	Total Income or Loss
						or
					2010	Total Supplemental Income (Loss)
0140:	0520	Farm Income	=	Sch F	0680	Net Farm Profit or Loss
0457:	0577	Housing/Foreign Earned Income Exclusion Amount	=	2555	1260	Max. Housing and Foreign Earned Inc. Exclusions
						plus
				2555EZ	1260	Max. of Foreign Earned Inc. Exclusion
0080:	0637	Current Year Moving Expenses	=	3903	0180	Moving Exp Deduction
0195:	0640	Self-Employed Deduction Schedule SE	=	Sch SE	0165	Deduction for 1/2 of Self Employment Tax
0459:	0730	Other Adjustment Amount	=	2555	1310	Total Housing Deduction

SECTION 10 - VALIDATION - TAX RETURN

.04 Tax Return Carry-Forward Lines (continued)

Field on the Tax Form:				Field from the Schedule or Form:		
ERC	SEQ#	Identification		Sch/Frm	SEQ#	Identification
0082:	0789	Total Itemized or Standard Deduction	=	Sch A	0520	Total Deductions
0392:	0820	Taxable Income	=	Sch J	0010	Taxable Income
0251:	0820	Taxable Income	=	8615	0100	Child Taxable Income
0261:	0857	Form 8814 Amount	=	8814	**0295**	Form 8814 Tax
0252:	0915	Tax (Form 1040) or	=	8615	0290	Form 8615 Tax
	0860	Tax (Form 1040A)				
0110	0915	Tax	=	Sch J	0220	Subtract Line 21 from Line 17
0083:	0925	Credit for Child & Dependent Care	=	2441/ Sch 2	0339	Credit for Child & Dependent Care
0084:	0930	Credit for Elderly or Disabled	=	Sch R/ Sch 3	0290	Credit
0087:	0918	Alternative Minimum Tax	=	6251	0340	Alternative Minimum Tax
0086:	1040	Self Employment Tax	=	Sch SE	0160	Self-Employment Tax
0115:	1080	Social Security & Medicare Tax on Tips	=	4137	0200	F1040 Social Security Medicare Tax on Tips
0112:	1100	Tax on Retirement Plans	=	5329	0078	**Additional** Tax on Early Distributions
						plus
					0091	Additional Tax on Certain Distr from Educ Accts
						plus
					0160	Excess Contributions Tax on Traditional IRA
						plus
					0280	Excess Contributions Tax on Roth IRA
						plus
					0570	Excess Contribution Tax on Ed IRA
						plus
					0660	Excess Contributions Tax on MSA
						plus
					0750	Excess Contributions Tax on HSA
						plus
					0850	Tax on Excess Accumulations

SECTION 10 - VALIDATION - TAX RETURN

.04 Tax Return Carry-Forward Lines (continued)

Field on the Tax Form:				Field from the Schedule or Form:		
ERC	SEQ#	Identification		Sch/Frm	SEQ#	Identification
0221:	1105	Advanced EIC Payments	=	W-2	0200	Advance EIC Payment
0236:	1107	Household Employment Taxes	=	Sch H	0140	Total Taxes Less Advance EIC Payments
						plus
					0240	FUTA Tax
0374:	1192	Additional Child Tax Credit	=	8812	0140	Additional Child Tax Credit
0426:	1210	Other Payments	=	2439	0230	Tax Paid by Regulated Investment Company
						plus
			=	4136	**1050**	Total Income Tax Credit Amount
			=	**8885**	**0250**	**Health Coverage Tax Credit**
0136:	1300	ES Penalty Amount	=	2210	0245	Underpayment Penalty/ Short Method
						or
					0671	Total Underpayment Penalty
						or
			=	2210F	0180	Underpayment Penalty/ Farmers Fisherman

SECTION 10 - VALIDATION - TAX RETURN

.04 Tax Return Carry-Forward Lines (continued)

In general, the amounts on the following schedules and forms must be equal. Refer to the specific Error Reject Code in Section 11 or Attachment 1 for exceptions and additional conditions pertaining to the Error Reject Code.

ERC	Sch/Frm	SEQ#	Identification		Sch/Frm	SEQ#	Identification
0170:	Sch A	0390	Casualty/Theft Loss	=	4684	**0430** **0453**	Line 16 **or** **Line 21**
0280:	Sch B/ Sch 1	0289	Excludable Savings Bond Interest	=	8815	0290	Excludable Savings Bond Interest
0186:	Sch C	0703	Total of Home Business Expense	=	8829	0450	Total of Schedule C Allowable Expenses
0180: 0184:	Sch E	1991	Net Farm Rental Income/Loss	=	4835	0610 0630	Net Farm Rent Profit and/or Net Farm Rent (Loss)
0171:	4797	0440	Gain/Loss for Entire Year (Form 4684 Sec B Gain)	=	4684	1120	Loss Equal to or Smaller than Gain
0251:	8615	0100	Child Taxable Income	=	1040/ 1040A	0820	Taxable Income

Intentional Blank Page

SECTION 11 - VALIDATION - SPECIFIC SCHEDULES AND FORMS

The first seven sub-sections of Section 11 contain Error Reject Codes pertaining to the tax form, organized as follows:

11.01 Forms 1040, 1040A, and 1040EZ
11.02 Direct Deposit Information - Forms 1040, 1040A, and 1040EZ
11.03 Forms 1040 and 1040A only
11.04 Form 1040 only
11.05 Form 1040A only
11.06 Form 1040EZ only

The remaining four sub-sections include Error Reject Codes for the following:

11.07 Specific Schedules
11.08 Specific Forms
11.09 Authentication Record
11.10 State Records
11.11 Summary Record

For detail description of Error Reject Codes, see Publication 1346 Attachment 1.

.01 Form 1040, Form 1040A, and Form 1040EZ (Tax Form)

ERC 0001, 0004, 0006, 0007, 0016, 0019, 0020, 0021, 0022, 0023, 0024, 0063,0071, 0072, 0075, 0103, 0104, 0105, 0126, 0146, 0177, 0192, 0233, 0234, 0299, 0409, 0417, 0418, 0531, 0532, 0600, 0606, 0610, 0611, 0612, 0613, 0614, 0615, 0709, 0767, 0770, 1014, 1015, 1016, 1019, 1032, 1033, 1034, 1035, 1037, 1038, 1048, 1049, 1051, 1068, 1119, 1156

.02 Direct Deposit Information for Form 1040, Form 1040A, and Form 1040EZ

ERC 0019, 0105, 0233, 0234, **1119**

.03 Form 1040 and Form 1040A

ERC 0008, 0011, 0012, 0037, 0041, 0043, 0065, 0066, 0067, 0068, 0069, 0072, 0073, 0076, 0077, 0083, 0084, 0088, 0091, 0108, 0109, 0111, 0114, 0116, 0121, 0127, 0128, 0129, 0130, 0131, 0134, 0136, 0138, 0158, 0164, 0188, 0191, 0192, 0198, 0200, 0204, 0221, 0252, 0281, 0303, 0370, 0372, 0373, 0374, 0382, 0384, 0386, 0388, 0389, 0486, 0533, 0537, **0544**, 0563, **1069**, **1215**

.04 Form 1040

ERC 0078, 0079, 0080, 0081, 0082, 0086, 0087, 0089, 0097, 0099, 0110, 0112, 0115, 0132, 0134, 0135, 0136, 0140, 0145, 0150, 0175, 0176, 0178, 0189, 0191, 0196, 0198, 0236, 0243, 0245, 0260, 0263, 0270, 0277, 0287, 0297, 0353, 0354, 0357, 0360, 0361, 0364, 0420, 0426, 0454, 0456, 0457, 0458, 0459, 0494, 0495, 0666, 0717, 0721, 0722, 0778, 0779, 0790, 0791, 0982, 1071, 1080, 1094

.05 Form 1040A

ERC 0038, 0119, 0191, 0198, 0243

.06 Form 1040EZ

ERC 0039, 0069, 0108, 0109, 0159, 0160, 0161, 0162, 0194, 0204, 0303

.07 Form 1040EZ-T

Only Field Format validations apply.

SECTION 11 – VALIDATION – SPECIFIC SCHEDULES AND FORMS

.08 Error Reject Codes for Schedules

1. **Schedule A**

   ERC 0015, 0113, 0170, 0197 -|

2. **Schedule B and Schedule 1**

   ERC 0280

3. **Schedule C**

   ERC 0098, 0100, 0117, 0149, 0183, 0185, 0187

4. **Schedule C-EZ**

   ERC 0036, 0240, 0241, 0242

5. **Schedule D**

   Only Field Format validations apply

6. **Schedule E**

   ERC 0102, 0106, 0169, 0184, 0286

7. **Schedule EIC**

   ERC 0201, 0202, 0203, 0205, 0206, 0207, 0216, 0217, 0218, 0222, 0476, 0534, 0535

8. **Schedule F**

   ERC 0141, 0142, 0143, 0182

9. **Schedule H**

   ERC 0208, 0209, 0210, 0211, 0212, 0213, 0214, 0215, 0219, 0220, 0223, 0224, 0225, 0226, 0227, 0228, 0229, 0235

10. **Schedule J**

    ERC 0390, 0391, 0392, 0393

11. **Schedule R and Schedule 3**

    ERC 0085, 0133, 0163

12. **Schedule SE**

    ERC 0046, 0047, 0107, 0195

SECTION 11 – VALIDATION – SPECIFIC SCHEDULES AND FORMS

.09 Error Reject Codes for Forms

1. Form T

ERC 0986, 0987, 0988

2. Form W-2

ERC 0122, 0123, 0139, 0289, 0290, 0291, 0295, 0616 -|

3. Form W-2G

ERC 0124, 0290, 0292, 0295, 0616

4. Form W-2GU

ERC 0290, 0406, 0615, 0616, 1041, 1042, 1043, 1044, 1045, 1047

5. Foreign Employer Compensation (FEC) Record

ERC 0411, 0412, 0413, 0414, 0415

6. Form 970

Only Field Format validations apply.

7. Form 982

ERC 0782, 0783, 0784

8. Form 1099-R

ERC 0125, 0290, 0293, 0295, 0616

9. Form 1116

ERC 0230, 0231, 0232, 0970, 0971, 0972, 0973, 0974, 0975, 0976, **0977** |

10. Form 1310

ERC 0518, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1017, 1018, 1036,

11. Form 2106 and Form 2106-EZ

ERC 0048, 0049, **0237** |

.09 Error Reject Codes for Forms continued

12. Form 2120

ERC 0702, 0703, 0706, 0707, 0708

13. Form 2210 and Form 2210F

ERC 0147, 0148

14. Form 2439

ERC 0785, 0786

15. Form 2441 and Schedule 2

ERC 0074, 0090, 0093, 0095, 0137, 0296, 0298,

16. Form 2555 and Form 2555EZ

ERC 0406, 0452, 0453, 0455, 0460, 0461, 0462, 0463, 0464, 0465, 0466, 0467, 0468, 0469, 0470, 0471, 0472, **0473** |

17. Form 3468

ERC 0723 -|

18. Form 3800

ERC 0720, 0725, 0730, 0738, 0739, 0740, 0741, 0742, 0743, 1170, 1172, 1173 -|

19. Form 3903

Only Field Format validations apply.

20. Form 4136

ERC 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1465, 1466, 1467, 1468, 1470, 1473, 1474, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499 |

21. Form 4137

ERC 0017, 0054, 0059

22. Form 4255

Only Field Format validations apply.

.09 Error Reject Codes for Forms continued

23. Form 4562

ERC 1105, 1106, 1107 |

24. Form 4563

ERC 0406, 0496, 0615

25. Form 4684

ERC 1120 -|

26. Form 4797

ERC 0171, 0667

27. Form 4835

ERC 0180, 0181

28. Form 4952

ERC 0101

29. Form 4970

ERC 0278 (Reserved)

30. Form 4972

ERC 0271, 0272, 0275, 0276, 0279

31. Form 5074

ERC 0406, 0615

32. Form 5329

ERC 0018, 0057, 0058, 0118

33. Form 5471

ERC 0632, 0633

34. Schedule J (Form 5471)

Only Field Format validations apply.

.09 Error Reject Codes for Forms continued

35. Schedule M (Form 5471)

Only Field Format validations apply.

36. Schedule N (Form 5471)

ERC 0634

37. Schedule O Form 5471)

Only Field Format validations apply.

38. Form 5695 |

Only Field Format validations apply. |

39. Form 5713

Only Field Format validations apply.

40. Schedule A (Form 5713)

Only Field Format validations apply.

41. Schedule B (Form 5713)

Only Field Format validations apply.

42. Schedule C (Form 5713)

Only Field Format validations apply.

43. Form 5884

Only Field Format validations apply. -|

44. Form 5884-A |

Only Field Format validations apply. |

45. Form 6198

Only Field Format validations apply.

46. Form 6251

ERC 0930

47. Form 6252

ERC 0094

.09 Error Reject Codes for Forms continued

48. Form 6478

ERC 0745, 0746

49. Form 6765

ERC 0747, 0748, **1140** |

50. Form 6781

ERC 0700, 0701

51. Form 8082

ERC 0711, 0712, 0713

52. Form 8271

ERC 0432

53. Form 8275

Only Field Format validations apply.

54. Form 8275-R

Only Field Format validations apply.

55. Form 8283

ERC 0908, 0909, 0910, 0911 |

56. Form 8379

ERC 0619, 0620, 0621, 0622, 0624, 0625, 0626, 0627, 0628, 0629, -|
0630, 0631

57. Form 8396

Only Field Format validations apply.

58. Form 8582

Only Field Format validations apply.

59. Form 8582-CR

ERC 0435, 0436, 0437

.09 Error Reject Codes for Forms continued

60. Form 8586

ERC 0653, 0654 -|

61. Form 8594

ERC 1050

62. Form 8606

ERC 0055, 0056, 0449, 0450, 0451

63. Form 8609-A

ERC 0915, 0916

64. Form 8611

Only Field Format validations apply.

65. Form 8615

ERC 0006, 0251, 0253, 0255, 0256, 0257, 0258

66. Form 8621

ERC 0768, 0769, 0771, 0772, 0773, 0775, 0776, 0777 -|

67. Form 8689

ERC 0406, 0615

68. Form 8697

ERC 0519, 0714, 0715, 0716

69. Form 8801

ERC 0665

70. Form 8812

ERC 0376

.09 Error Reject Codes for Forms continued

71. Form 8814

ERC 0006, 0261, 0262, 0264, 0265, 0266, 0267

72. Form 8815

ERC 0282, 0283

73. Form 8820

ERC 0750

74. Form 8824

Only Field Format validations apply.

75. Form 8826

ERC 0751, 0752, 0753

76. Form 8828

ERC 0288

77. Form 8829

ERC 0186, 0193

78. Form 8830

Only Field Format validations apply. |

79. Form 8833

ERC 0406, 0615

80. Form 8834

ERC 0755, **1190** |

81. Form 8835

ERC 0756

82. Form 8839

ERC 0480, 0481, 0482, 0483, 0484, 0485, 0488 -|

.09 Error Reject Codes for Forms continued

83. Form 8844

ERC 0757

84. Form 8845

Only Field Format validations apply. |

85. Form 8846

Only Field Format validations apply. |

86. Form 8847

ERC 0760

87. Form 8853

ERC 0350, 0351, 0352, **0357**, 0358, 0359, 0363, **0366, 0367, 0368, 0369** |

88. Form 8854

Only Field Format validations apply.

89. Form 8859

Only Field Format validations apply.

90. Form 8860

Only Field Format validations apply.

91. Form 8861

Only Field Format validations apply. |

92. Form 8862

ERC 0602, 1303, 1305,

93. Form 8863

ERC 0379, 0380, 0381, 0383, 0385, 0387, 0512, 0528

94. Form 8864

Only Field Format validations apply. |

.09 Error Reject Codes for Forms continued

95. Form 8865

ERC 0636, 0637, 0638, 0639, 0640, 0641, 0642, 0643, 0644, 0646, 0647, 0648, 0655, 0661, 0662

96. Schedule K-1 (Form 8865)

Only Field Format validations apply.

97. Schedule O (Form 8865)

Only Field Format validations apply.

98. Schedule P (Form 8865)

Only Field Format validations apply.

99. Form 8866

ERC 0607

100. Form 8873

ERC 0950, 0951, 0952, 0953, 0954, 0955, 0956, 0957

101. Form 8874

Only Field Format validations apply. |

102. Form 8880

ERC 0165, 0166

103. Form 8881

ERC 0764 -|

104. Form 8882

Only Field Format validations apply. |

105. Form 8885

ERC 1070, 1072, 1073, 1075, 1076 -|

.09 Error Reject Codes for Forms continued

106. Form 8886

Only Field Format validations apply.

107. Form 8888

ERC 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1118

108. Form 8889

ERC 1085

109. Form 8891

ERC 0406, 0615, 1200, 1201, 1202, 1203, 1204, 1205

110. Form 8896

ERC 0925

111. Form 8900

ERC 0959

112. Form 8901

ERC 0370, 0560, 0563, 0566, 0961, 0962, 0964

113. Form 8903

ERC 0983

114. Form 8906

Only Field Format validations apply.

115. Form 8907

Only Field Format validations apply.

116. Form 8908

Only Field Format validations apply.

.09 Error Reject Codes for Forms continued

117. Form 8910 |

Only Field Format validations apply. |

118. Form 8911 |

Only Field Format validations apply. |

119. Form 8912 |

Only Field Format validations apply. |

120. Form 8913 |

Only Field Format validations apply. |

121. Form 8914 |

ERC 1215, 1216 |

122. Form 8915 |

ERC 1221, 1222 |

123. Form 9465

ERC 0167, 0168, 0172, 0710

124. Form Payment

The literal "PAYMENT REQUEST RECD" (SEQ 0115) in the Acknowledgement file will indicate a valid payment record on an accepted return.

ERC 0010, **0394**, 0395, 0396, 0397, 0398, 0690, 0691, 0692, 0693 |

125. Allocation Record

ERC 1095

SECTION 11 – VALIDATION – SPECIFIC SCHEDULES AND FORMS

.10 Authenticaton Record

ERC 0025, 0026, 0664, 0670, 0671, 0672, 0674, 0675, 0676, 0679, 0680, 0681, 0682, 0683, 0684, 0689, 0694, 0695, 0696, 0697, 0698, 0699, **1150**, **1151**, **1155**

.11 Short Term Capital Gain/Loss (STCGL) and Long Term Capital Gain/Loss (LTCGL)

ERC 1060, 1061, 1062

.12 State Records

ERC 0009, 0042, 0399, 0400, 0401, 0402, 0403, 0404, 0405, 0407, 0408, 0410, 0419, 0430

.13 Summary Record

ERC 0027, 0151, 0152, 0153, 0154, 0155, 0156, 0157, 0416, 0438, 0441, 0490, 0491, 0493, 0685, 0686, 0687, 0688, 1046, 1063, 1064, 1096

SECTION 12 - FEDERAL/STATE ELECTRONIC FILING SPECIFICATIONS

.01 General Description

Federal/State Electronic Filing is a cooperative one-stop filing program between IRS and state tax administration agencies. This program allows the filing of both federal and state income tax returns through the IRS Electronic Filing System. This effort represents one of the Service's programs in support of burden reduction for the tax preparation community and the taxpayers they represent.

The IRS will function strictly as a "data conduit" for electronic state returns. The term "data conduit" defines a strictly controlled process to receive, temporarily store, and then provide correctly formatted state data to the state tax administration agency.

A. State-Only Filing

Any Federal/State *e*-file participant has the option of participating in State-Only *e*-filing. Taxpayers will have the choice of filing a State Return without the standard Form 1040 attached for the following instances:

- Previously rejected state *e*-file return
- State return input separately from Federal return
- Part-year resident state return
- Multiple state returns for one taxpayer
- Non-resident state returns
- Married filing separately with state, but filing jointly with Federal return

B. Federal/State *e*-file Returns with Foreign Addresses

IRS *e*-file accepts Federal/State *e*-file returns with Foreign Addresses, including the U.S. possessions of American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. These returns will be processed at the Philadelphia Submission Processing Center.

Note: PR, GU, MP, AS, or VI are not considered foreign addresses. Please use the domestic address fields for these returns. However, they are processed at the Philadelphia Submission Processing Center.

C. State Acknowledgements

The Internal Revenue Service provides State Acknowledgement service on its Front End Processing System known as EMS (Electronic Management System). Participating Federal States can transmit their State Acknowledgements to EMS for trading partners to pick up when they pick up their Federal Acknowledgement.

.02 Federal/State Filing - Participating States

Thirty-seven states and the District of Columbia will participate in the **2006** Federal/State *e*-file Program.

Each state will issue its own publications to detail the state's software specifications and testing requirements. Software developers will need to contact the appropriate state to obtain electronic filing publications. A roster of state electronic filing coordinators is included in Section 12 Subsection 13. Updated rosters of state coordinators will be available in the IRS Home Page and on the IRS Centralized Bulletin Board. Most states will place their specifications in the IRS Centralized Bulletin Board, Federal/State Library.

SECTION 12 – FEDERAL/STATE ELECTRONIC FILING SPECIFICATIONS

.03 Data Communications

All *e*-file returns will be transmitted to two transmission centers, Martinsburg Submission Processing Center (ECC-MTB) and Tennessee Computing Center (ECC-MEM). The data communications procedures described in Section 1 will be the same for transmitting Federal/State electronic returns as for transmitting federal electronic returns.

The following chart reflects the 38 participating Federal/States. **Two states were realigned. Kansas and Missouri will be processed at Kansas City Submission Processing Center.** Federal/State electronic returns are to be transmitted based on the following state home service center relationship.

Home Service Center	Transmit Site	States Supported
Andover	**ECC-MTB***	CT DC DE MD NJ NY PA RI VA VT
Austin	**ECC-MTB**	AR AL CO IA LA MS ND NE NM OK
Kansas City	**ECC-MEM****	IL IN **KS** MI **MO** OH WI WV
Fresno	**ECC-MEM**	AZ HI ID MT OR UT
Philadelphia	**ECC-MTB**	GA KY NC SC

IRS will reject Federal/State returns that are not submitted to the correct home service center. The correct home Submission Processing Center is always the center supporting the state of the taxpayer's residence. In other words, if it is a Federal/State electronic return, always transmit it to the home Submission Processing Center that supports the state. For federal returns only, the ERO should always transmit to supporting home service center. For Online federal returns, transmission should be based on taxpayer's address.

* ECC-MTB represents Martinsburg, West Virginia
** ECC-MEM represents Memphis, Tennessee

04. Record Format General Description

The fifth series of federal records (after return, schedule, forms, and statement records) are the electronic state records. There are two different electronic state records, the "generic" and the "unformatted". A combination of these records make up the state return packet. The IRS record layouts for the generic and unformatted records are specified in the Part II Record Layouts.

The state records should be formatted following IRS and state specifications. All the tax information that the state requires is included in the state packet. The IRS does not augment the state packet in any way. The state records are considered logical records and all the specifications provided in Section 2 apply except for the following:

1. The counts entered in Number of Logical Records in Tax Return (SEQ 0040) and Number of Form Records (SEQ 0090) of the Summary Record must include a count for each state packet.

2. Increase the counts in Number of Logical Records in Tax Return (SEQ 0040) and Number of Form Records (SEQ 0090) by "1" for each state packet, whether there are one or ten records in the state packet. The IRS will reject the return if these counts are not accurate.

.05 File Format General Description

The Federal/State electronic filing process requires that participating electronic filers comply with the following file specifications:

1. A state packet cannot be filed without the associated federal return. The IRS will not accept more than one state packet per electronic return. The state packet can be associated with a federal refund, zero-balance or balance due return.

2. The state packet must be placed after the federal statement records and before the preparer notes record. Any other order will cause return rejection.

SECTION 12 – FEDERAL/STATE ELECTRONIC FILING SPECIFICATIONS

.06 File Format Fixed and Variable Length Options

Electronic filers can transmit Federal/State returns using the fixed or variable length options described in Section 2. State records transmitted to IRS using the variable format option are expanded by IRS into fixed format before the records are provided to the state. Some states require copies of the federal return within the unformatted state records. Since IRS expands these records to fixed format before they are provided to the state, in order for states to receive a "variable" format within the fixed format the following specifications apply to state records:

1. No data field in any state record should contain the following stream of characters or the return will be rejected by the Data Communications Subsystem:

   ****TRANA, ****TRANB, ****1040 PG01, ****RECAP, ****SUM.

2. State records must not contain the following data characters: "[" "]" "#" "*" within the state's variable format. These are reserved by the IRS for use as delimiters.

3. The following delimiters must be used to transmit the unformatted state records as variable to the state:

   "{" instead of "[" and
   "}" instead of "]" and
   "$" instead of "#" and
   "!" instead of "*".

   The hexadecimal representations of these characters are:

Symbol	ASCII Hex	Symbol	ASCII Hex
[	5B	}	7B
]	5D	}	7D
#	23	$	24
*	2A	!	21

4. The IRS Record Layouts for generic and unformatted records contain the only valid Field Sequence Numbers for IRS processing. Any Sequence Number transmitted that is not listed, or any Sequence Number transmitted that duplicates a prior Sequence Number will cause rejection.

.07 Types of Characters

The character specifications provided in Section 5 for ALPHA, NUMERIC, and ALPHANUMERIC apply to state records. The section "Special Cases for Special Characters" does not apply to state records. For example, each state may have requirements which are different from IRS requirements for formatting the taxpayer's name and address.

.08 Validation of State-Only Returns

1. State-Only return data will contain a Form 1040, Page 1 record, state return packet, and a Summary record. The State Abbreviation of the Form 1040 (SEQ 0087) must contain the value "SO", indicating that: (1) State-Only return data is attached, (2) State-Only processing will be performed, and (3) Form 1040, Page 2 and foreign 1040 processing will be bypassed.

2. The State-Only return should always be transmitted to the Center that supports that particular state. State-Only returns with Foreign addresses will be processed at Philadelphia Submission Processing Center.

3. If the State Abbreviation (SEQ 0087) is equal to "SO" in variable format of the Form 1040 Page 1 record, then the highest sequence number present cannot be greater than the Address Indicator (SEQ 0097). If the State Abbreviation field is equal to "SO" in fixed format of the Form 1040 Page 1 record, then all fields beyond the Address Indicator field must be blank.

4. The Primary SSN of the State-Only 1040 record (SEQ 0010) must equal the SSN of the attached State generic record and the Taxpayer Identification Number of the Summary record (SEQ 0002).

5. The Primary SSN (SEQ 0010) and Primary Name Control (SEQ 0050) of State-Only 1040 record must match data from the IRS Master File.

6. The Secondary SSN (SEQ 0030) and Secondary Name Control (SEQ 0055) of State-Only 1040 record must match data from the IRS Master File.

7. The RECAP Record will contain a new count for the total number of State-Only returns (SEQ 0130).

.09 Validation of Federal/State *e*-file returns with Foreign addresses

1. Addresses from the U.S. possessions will be formatted as U.S. addresses. Addresses from the foreign countries will be formatted using new foreign country address fields.

2. All returns with a foreign address will be transmitted at the Philadelphia Submission Processing Center.

3. The following IRS Error Reject Code is used exclusively for errors in the Foreign State return packet.

   0419 STATE RECORD

   State Record – If Address Indicator (SEQ 0097) on the Tax Return is equal to "3" (indicating a foreign country), then the following fields must be present: Foreign Street Address (SEQ 0077), Foreign City, State or Province, Postal Code (SEQ 0087), and Foreign Country (SEQ 0098); and the following fields cannot be present: Street Address (SEQ 0080), City (SEQ 0085), State Abbreviation (SEQ 0095) and Zip Code (SEQ 0100).

   If Address Indicator (SEQ 0097) on the Tax Return is not equal to "3", then the following fields cannot be present: Foreign Street Address (SEQ 0077), Foreign City, State or Province, Postal Code (SEQ 0087), and Foreign Country (SEQ 0098).

   0430 STATE RECORD

   State Record – If State Abbreviation (SEQ 0095) equals "AS", "GU", "MP", "PR" or "VI"; or Address Ind SEQ (0097) on the State Only 1040 equals "3" it must be processed at Philadelphia.

SECTION 12 – FEDERAL/STATE ELECTRONIC FILING SPECIFICATIONS

.10 Acknowledgement File for Federal/State-Only Transmissions

Each file of electronic returns transmitted by an electronic filer will normally be acknowledged within forty-eight hours of receipt and, if the Federal/State return is accepted, the state packet will be available to the State Agency from the Internal Revenue Service for retrieval within twenty-four hours of IRS Acknowledgement.

The ACK Key Record received by the transmitters will contain a State Packet Code. This code indicates whether a state packet was filed in conjunction with the accepted or rejected federal return. IRS acceptance of the federal return and receipt of the state packet **does not imply state Acknowledgement or acceptance of the state tax return**.

The State Packet Code in the ACK Key Record will be blank if there is no state packet associated with the federal return, or will consist of the two character state abbreviation contained in the State Code field of the generic record. This is the only field in the ACK Key Record that is changed due to the presence of a state return packet. The Expected Refund or Balance Due field, the Duplicate Code field, and EFT Code field refer only to the federal return.

The state records are identified in the ACK Error Record by the Form Record Id Type ("STbbbb"),and Form Number ("0001bb" or "0002bb") Page Number and Form/Schedule Number.

Once a state packet is available for state retrieval, filers need to contact the respective state to resolve taxpayer problems. Error resolution for state returns is the responsibility of the state tax administration agency. The IRS will purge state packets thirty days from IRS Acknowledgement of federal return acceptance. Electronic filers must contact the states to obtain state Acknowledgement of state return receipt.

.11 State Acknowledgement File Transmitted by State Agencies to EMS

The Internal Revenue Service provides State Acknowledgement service on its Front End Processing System, known as EMS (Electronic Management System). Participating Federal States can send their State Acknowledgements to EMS for trading partners to pick up when they pick up their Federal Acknowledgement.

There will be a new state abbreviation code in the State Acknowledgement Reference File Name extension. For example: “SSC”, the first “S” represents state acknowledgement and the last two letters “SC” represents state abbreviation code for South Carolina.

NOTE: “Transmitter” in the outer envelope refers to the state (the state is a transmitter sending state ACKS to the IRS). “Transmitter” in the inner envelope refers to the tax return transmitter, the recipient of the State Acknowledgements.

1. The State will transmit state tax return acknowledgements in the IRS 120 byte format. The State Acknowledgements must be able to interface with EMS as outlined in Publication 1346 Part 1, Section 1, Data Communications.

2. The State will transmit Acknowledgement files to EMS with an outer TRANA, an outer TRANB, at least one inner TRANA, at least one inner TRANB, and at least one ACK Key Record, at least one inner RECAP, and an outer RECAP Record. It may contain zero or multiple ACK Error Records, The ACK Error Records can only be present when there is an accompanying ACK Key Record.

.11 State Acknowledgement File Transmitted by State Agencies to EMS continued

3. The Acknowledgement file transmission may consist of Acknowledgement files for multiple Trading Partners.

4. Field 0170 of the TRANA Record must be "Z" equal State Acknowledgement file.

5. If the transmission is successful, the state will receive a message, "Transmission file has been received with the following GTX Key:_____". -|

6. EMS will read and process the ETIN in Field 0060 of the "inner envelope" of the TRANA Record and place the Acknowledgement File in "Transmitters" outbound mailbox.

7. The Trading Partner will receive all acknowledgements that are in status Waiting TP Delivery when the Trading Partner receives acknowledgements, whether the source is Federal or State.

8. Acknowledgements are archived 14 calendar days after Acknowledgements are picked up.

9. Transmitters must contact the State regarding rejections, taxpayer problems or any other questions that may arise about the state acknowledgement. See Section 12.19 of Publication 1346 for the State Agency contacts.

10. Transmitters/Trading Partners (TPs) should download, at least every five days, the Transmission Status Report to be sure they have received all of their Ack Files. If they are missing an ACK file and have the GTX key, they can call the IRS e-Help to rehang it. If they do not obtain the report, they need to call the State Help Desk to obtain the GTX key for a specific return's ACK file and then call IRS to rehang the specific file.

11. The State must download the State Transmission Report, at least every five days, and store every state and individual TPs GTX Key from the report and associate it with each Social Security Number. When a TP inquires about an ACK File for a specific return, the State Help Desk can give them the TPs GTX Key to be used when the TP calls IRS e-Help to re-hang an Ack File.

11a. Processing and Validations of State Acknowledgement (Outer Envelope)

Note: Lower case "b" = blank

Outer TRANA:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID Field must be TRANAb (all caps)
- Field 0040 Processing Site
- Field 0060 (ETIN) must be valid in TPDS and must match ETIN in logon
- Field 0160 (Production-Test Code) must match T/P code in Transmitters profile data base
- Field 0170 (Transmission Type Code) must be a "Z" = State ACK
- Record Terminus Character must be a "#" sign
  Note: Validation for Julian Day is not a requirement for States

Outer TRANB:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID Field must be TRANBb (all caps)
- Record Terminus Character must be a "#" sign

Outer RECAP:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID Field must be RECAPb (all caps)
- Field 0030 (Total Inner TRANA Count) must equal number of TRANA records in the (Inner Envelopes)
- Field 0040 ETIN must = TRANA ETIN Field 0060
- Field 0140 Acknowledgement File Name (GTX Key) for transmission must be blank (IRS will populate)
- Record Terminus Character must be a "#" sign

11b. Processing and Validations of State Acknowledgement (Inner Envelope Format)

Inner TRANA:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID Field must be TRANAb (all caps)
- Field 0040 (Processing Site) must match valid processing site
- Field 0060 (ETIN) must match valid TP ETIN in Transmitter Profile Data Base
- Field 0160 (Production-Test Code) must be P or T; if Outer = T, then Inner must equal "T"
- Field 0170 (Transmission Type Code) must be "Z" = State Acknowledgement
- Record Terminus Character must be a "#" sign

Inner TRANB:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID must be TRANBb (all caps)
- Record Terminus Character must be a "#" sign

Inner ACK KEY:
- Byte Count Must be 120 bytes
- Record Sentinel "****"
- Record ID Field must be ACKbbb (all caps)
- Field 0130 (State Packet Code) must be a valid 2 ltr state code
- Record Terminus Character must be a "#" sign

Inner ACK Error is Optional:
- Byte Count Must be 120 bytes
- Start of Record Sentinel "****"
- Record ID Field must be ACKRbb (all caps)
- Record Terminus Character must be a "#" sign

Inner RECAP:
- Byte Count Must be 120 bytes
- Record Sentinel "****"
- Record ID Field must be RECAPb (all caps)
- Field 0030 (Total ACK Key Count) must equal number of ACK Key Records
- Field 0040 (ETIN) must match Inner TRANA Field 0060 ETIN
- Field 0100 (Total ACK Error Count) must equal number of ACK Error Records
- Field 0140 Acknowledgement File Name (GTX Key) for transmission must be blank (IRS will populate) Record Terminus Character must be a "#" sign

.12 Transmission Status Report

A Transmission Status Report is available for States to download that will show the status of the Acknowledgement files when selected from the main menu. The State Report will show the "outer envelope" GTX Key of original State transmission, ETIN for each Acknowledgement file in the "inner envelope" GTX key assigned to trading partner's acknowledgement, and current status of each Acknowledgement.

The Trading Partner's report shows the status of their transmissions and acknowledgements.

The reports will show the last 5 calendar days of transactions for successfully processed files, showing what was picked up and not picked up by Trading Partners. Acknowledgements are archived 14 calendar days after Acknowledgements are picked up. Transmissions that are rejected will not be included in the report. If no data is available, you will receive a message, "No Data Available."

See Section 1 – Data Communications for more information about the Transmission Report.

.13 State ACK Record - Outer Envelope TRANA

1. Transmission Information Record – A

STATE ACKNOWLEDGEMENT FILE USE ONLY
OUTER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	Value "TRANAb" [Req'd & V]
0010	Employer Identification Number of Transmitter [state] EIN		9	N [Req'd, not V]
0020	Transmitter [state] Name		35	AN [Req'd, not V]
0030	Type Transmitter		16	Blank or "Preparer's Agent" [Opt]
0040	Processing Site		1	"C" = Andover "E" = Austin "F" = Kansas City "G" = Philadelphia "H" = Fresno (See Processing Site Chart in Section 1) [Req'd & V]
0050	Transmission Date		8	YYYYMMDD [Req'd, not V]
0060	Electronic Transmitter [state] Identification Number [ETIN]		7	N [ETIN plus Transmitter's Use Code] First 5 bytes are Required, the other 2 must be 00-99 [Req'd & V]
0070	Julian Day		3	N [Req'd, not V]

.13 State ACK Record - Outer Envelope TRANA continued

1. Transmission Information Record – A continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
OUTER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0080	Transmission Sequence for Julian Day in [0070]		2	N Values = 00-99 [Req'd, not V]
0090	Acknowledgement Transmission Format		1	"A" = ASCII [Req'd, not V]
0100	Record Type		1	"F" = Fixed [Req'd, not V]
0110	Transmitter [state] EFIN		6	N [Req'd, not V]
0120	Filler		5	Blank
0130	Reserved		1	Blank
0140	Reserved		1	Blank
0150	Reserved		6	Blank
0160	Production-Test Code		1	"P" = Production "T" = Test [Req'd, V"]
0170	Transmission Type Code		1	"Z" = State Acknowledgement State Use Only [Req'd & V]
0180	Reserved		1	Blank
	Record Terminus Character		1	Value "#" [Req'd & V]

.13 State ACK Record - Outer Envelope TRANB

2. Transmission Information Record – B

STATE ACKNOWLEDGEMENT FILE USE ONLY
OUTER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	"TRANBb" [Req'd & V]
0010	EIN of Transmitter [state]		9	N [Req'd, not V]
0020	Transmitter's Address		35	AN or Blank [Opt]
0030	Transmitter's City, State, Zip Code		35	AN or Blank [Opt]
0040	Transmitter's [state] Area Code & Telephone Number		10	N or [Opt]
0050	Filler		16	Blank
	Record Terminus Character		1	Value "#" [Req'd & V]

.13 State ACK Record - Outer Envelope continued

3. RECAP Record

STATE ACKNOWLEDGEMENT FILE USE ONLY
OUTER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	"RECAPb" [Req'd & V]
0010	Filler		8	Blank
0020	Total EFT Count		6	N [Opt]
0030	Total Inner TRANA Count		6	N, Range = [000001-999999] STATE USE ONLY [Req & V]
0040	Electronic Transmitter [state] Identification Number [ETIN]		7	N [includes Transmitter's Use Code First 5 bytes are Required, the other 2 must be 00-99 [Req'd & V]
0050	Julian Day of Transmission		3	N [Must be the same as on the TRANA record] [Req'd & V]
0060	Transmission Sequence		2	N [Req'd, not V]
0070	Total Accepted Returns		6	STATE USE ONLY [Opt]
0080	Total Duplicated Returns		6	STATE USE ONLY [Opt]
0090	Total Rejected Returns		6	STATE USE ONLY [Opt]
0100	Total Duplicated EFT		6	STATE USE ONLY [Opt]
0110	IRS Computed EFT Count		6	STATE USE ONLY [Opt]
0120	IRS Computed Return Count		6	STATE USE ONLY [Opt]

.13 State ACK Record - Outer Envelope continued

3. RECAP Record continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
OUTER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0130	Total State-Only Return Count		6	N, Range = (000001-999999) [Opt]
0135	Total Accepted State-Only Returns		6	N, Range = (000001-999999) [Opt]
0137	Filler		5	Blank
0140	Acknowledgement File Name [GTX Key]		20	AN (States must send in blank and IRS will populate)
	Record Terminus Character		1	Value "#" [Req'd & V]

.14 State ACK Record – Inner Envelope TRANA

1. Transmission Information Record – A

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	Value "TRANAb" [Req'd & V]
0010	Employer Identification Number of Transmitter EIN		9	N [Opt]
0020	Transmitter Name		35	AN [Opt]
0030	Type Transmitter		16	Blank [Opt]
0040	Processing Site		1	"C" = Andover "E" = Austin "F" = Kansas City "G" = Philadelphia "H" = Fresno (See Processing Site Chart in Section 1) [Req'd & V]
0050	Transmission Date		8	YYYYMMDD [Req'd, not V]
0060	Electronic Transmitter Identification Number [ETIN]		7	N (ETIN plus Transmitter's Use Code] First 5 bytes are Required, the other 2 must be 00-99 [Req'd & V]

.14 State ACK Record – Inner Envelope TRANA continued

1. Transmission Information Record – A continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0070	Julian Day		3	N (Zeroes only) [Req'd, not V]
0080	Transmission Sequence for Julian Day in [0070]		2	N (Zeroes only) [Req'd, not V]
0090	Acknowledgement Transmission Format		1	"A" = ASCII [Req'd, not V]
0100	Record Type		1	"F" = Fixed [Req'd, not V]
0110	Transmitter EFIN		6	N [Opt, Rec]
0120	Filler		5	Blank
0130	Reserved		1	Blank
0140	Reserved		1	Blank
0150	Reserved		6	Blank
0160	Production-Test Code		1	"P" = Production "T" = Test [Req'd & V]
0170	Transmission Type Code		1	"Z" = State Acknowledgement "State Use Only" [Req'd & V]
0180	Reserved		1	Blank
	Record Terminus Character		1	Value "#" [Req'd & V]

.14 State ACK Record – Inner Envelope TRANB

2. Transmission Information Record – B

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	"TRANBb" [Req'd & V]
0010	EIN of Transmitter		9	N [Opt]
0020	Transmitter's Address		35	AN [Opt]
0030	Transmitter's City, State, Zip Code		35	AN [Opt]
0040	Transmitter's Area Code & Telephone Number		10	N [Opt]
0050	Filler		16	Blank
	Record Terminus Character		1	Value "#" [Req'd & V]

.14 State ACK Record – Inner Envelope

3. ACK KEY Record – Acknowledgement File Key Record

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Legend: Req'd and V = data **must** be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	Value "ACKbbb" [Req'd & V]
0005	Reserved IP Address Code		1	Blank
0010	EIC Indicator		1	"Y" or Blank [Opt]
0020	Taxpayer Identification Number		9	N [Primary SSN] [Req'd, not V]
0030	Return Sequence Number		16	Numeric ETIN (5), Transmitter's Use Code (2), Julian Day (3), Trans Seq Num (2), Seq Num for Return (4) State must use RSN in Field 0023 of Generic Record (ETIN must equal Field 0060 of Inner TRANA) [Req'd **&** V] |
0040	Expected Refund or Balance Due		12	Refund or Balance Due from Applicable Return [Opt]
0050	Acceptance Code		1	"A" = Accepted "R" = Rejected "D" = Duplicated Return "T" = Transmission Rejected **"E" = Exception Processing** | or Blank [Req'd, not V]

.14 State ACK Record – Inner Envelope continued

3. ACK KEY Record – Acknowledgement File Key Record continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0060	Duplicate Code		3	"D" = Duplicate DCN or zero "P" = Duplicate Primary SSN or zero "S" = Duplicate Spouse SSN or zero [Opt]
0065	PIN Presence Indicator		1	"0" = No PIN 8453 or 8453-OL Required "1" = Practitioner PIN "2" = Self-Select PIN by Practioner Used "3" = Self-Select PIN Online Used "4" = State-Only No PIN 8453 or 8453-OL is not Required "9" = State PIN Not Relevant Blank = Rejected Return [Rec, Opt]
0070	EFT Code		1	Blank
0080	Date Accepted		8	DT Format = YYYYMMDD [Rec, Opt]
0090	Return DCN		14	N State must use DCN in Field 0020 of Generic Record, **first two digits must be zeroes** [Req'd **&** V]
0100	Number of Error Records		2	N Range 00-96 [Rec, Opt]
0110	FOUO RET SEQ NUM		13	Blank

.14 State ACK Record – Inner Envelope continued

3. ACK KEY Record – Acknowledgement File Key Record continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0112	STATE DD Ind		1	Blank [Opt]
0115	Payment Acknowledgement Literal		15	"PYMNT RQST RVCD" or blank [Opt]
0117	Date of Birth Validity Code		1	"0" = DOB Validation Not Required "1" = All DOB[s] Valid "2" = Primary DOB Mismatch "3" = Spouse DOB Mismatch "4" = Both DOB[s] Mismatch [Opt]
0118	Filler		1	Blank
0119	State-Only Code		2	“SO” or Blank [Opt]
0120	Debt Code		1	"N" = None "I" = IRS Debt "F" = FMS Debt "B" = IRS and FMS debt or Blank [Opt]
0130	State Packet Code		2	Valid “2 ltr” State Code [Req’d, not V]
	Record Terminus Character		1	Value "#" [Req’d & V]

.14 State ACK Record – Inner Envelope continued

4. ACK ERR Record – Acknowledgement File Error Record

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	Value "ACKRbb" [Req'd & V]
0010	Taxpayer Identification Number		9	N [Primary SSN] (Must match ACK Key Record) [Req'd, not V]
0020	Reserved		7	Blank
0030	Error Record Sequence Number		2	N, 00-96 [Rec, Opt]
0040	Error Form Record ID		6	AN [Opt]
0050	Error Form Record Type		6	AN [Opt]
0060	Error Form Page Number		5	"PG00b" or Blank (page number is "00" (zero) for all IMF ACK ERR records) [Opt]
0070	Error Form Occurrence		7	N [0000001-0000050] or zeroes [Opt]
0080	Error Field Sequence Number		4	N or zeroes [Opt]
0090	Error Reject Code		4	N (nnnn) or zeroes (Refer to Attachment 1) [Req'd, not V]
0100	Filler		55	Blank
	Record Terminus Character		1	Value "#" [Req'd & V]

.14 State ACK Record – Inner Envelope continued

5. Recap Record

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Legend: Req'd and V = data must be present and it will be checked by IRS.
Rec = Recommended, data is not mandatory by IRS, but recommended.
Opt = Optional, Field is available for states to use.

Field No.	Identification	Form Ref.	Length	Field Description
	Byte Count		4	"0120" [Req'd & V]
	Start of Record Sentinel		4	Value "****" [Req'd & V]
0000	Record ID		6	"RECAPb" [Req'd & V]
0010	**Filler**		**2**	**Blank**
0015	**Total Exception Processing**		**6**	**N (Rec)**
0020	Total EFT Count		6	N [Opt]
0030	Total ACK KEY Count		6	N, Range = (000001-999999) STATE USE ONLY [Req'd & V]
0040	Electronic Transmitter Identification Number [ETIN]		7	N (includes Transmitter's Use Code) First 5 bytes are Required, the other 2 must be 00-99 [Req'd & V]
0050	Julian Day of Transmission		3	N Zeroes Only [Opt]
0060	Transmission Sequence		2	N Zeroes Only [Opt]
0070	Total Accepted Returns		6	STATE USE ONLY [Opt]
0080	Total Duplicated Returns		6	STATE USE ONLY [Opt]
0090	Total Rejected Returns		6	STATE USE ONLY [Opt]
0100	Total ACK Error Count		6	STATE USE ONLY [Req & V]
0110	IRS Computed EFT Count		6	STATE USE ONLY [Opt]
0120	IRS Computed Return Count		6	STATE USE ONLY [Opt]

.14 State ACK Record – Inner Envelope continued

5. Recap Record continued

STATE ACKNOWLEDGEMENT FILE USE ONLY
INNER ENVELOPE

Field No.	Identification	Form Ref.	Length	Field Description
0130	Total State-Only Return Count		6	N Range = (000001-999999) [Opt]
0135	Total Accepted State-Only Returns		6	N Range = (000001-999999) [Opt]
0137	Filler		5	Blank
0140	Acknowledgement File Name [GTX Key]		20	AN (States must send in blank and IRS will populate)
	Record Terminus Character		1	Value "#" [Req'd & V]

.15 Record Format Fixed and Variable Examples

There are three different electronic state records, the "generic", "unformatted" and "State-Only". A combination of these records make up the state packet.

1. Example of a variable Generic Record:

```
---------1---------2---------3---------4---------5---------6
123456789012345678901234567890123456789012345678901234567890

0276****ST    0001  PG01 123456789 0000001[0010]SC[0020]00570321
000116[0060]JANE TEST  DOE NOW 35 CHARACTERS R[0075]3440
LITTLE RANC H RD    NOW 35 CHAR[085]LADSON  NOW 22 CHAR
AC[0095]SC[0100]294566666666[0110]00018[0150]1[0155]01[0195]411
2[0200]3400[0310]10308V[0525]185[0550]185[0580]185[0650]B#
```

2. Example of a variable Unformatted Record that contains a "variable" federal record:

```
---------1---------2---------3---------4---------5---------6
123456789012345678901234567890123456789012345678901234567890

1004****ST    0002  PG02 123456789 0000001[0010]SC[0020]00570321
117551[0050]0318!!!!FRM   W2   PG01 123456789 0000001{0030}PAT
RICKCHILDS DBA LOW COUNTRY{0040}100 LIBERTY HALL R[00
55]D SUITE 102{0050}GOOSE CREEK SC 29445{0060}400006745{00
70}400002047{0090}400005100{0200}490{0210}36[0060]54{0220}227
{0230}3654{0245}3654{0255}53{0310}DOE   JANETEST {0320}3440
LITTLE RAN[0065]CH RD{0330}LADSON SC 29456{0380}171{0390}
3654{0400}SC{0500}S$02[0070]82[0105]S$#
```

.16 STCAP Record Layout

	Field Identification	Length	Field Description	
	Start-Record-Sentinel	4	A	Value "****".
0000	Record-Name	5	A	Value "STCAP"
0010	Filler	1	AN	Value Blank
0020	Total-Records	10	N	Value numeric
0030	Filler	1	AN	Value Blank
0040	Total-Generic	8	N	Value numeric
0050	Filler	1	AN	Value Blank
0060	Total-Unformatted	8	N	Value numeric
0070	PATS-Indicator	1	A	Value "P" if PATS data Blank if live data
0080	Filler	1	AN	Value Blank
0090	Process Date	8	N	IRS Accept Date {YYYYMMDD}
	SRS-Use-Fields			Reserved for SRS Use
0100	SRS-State-SRIN	5	N	St Retrieval SRIN
0110	Filler	1	A	Value Blank
0120	SRS-Stat*e-file*-Name	12	A	State Abbr. followed by SEQ Number followed by .gz
0130	Filler	6	A	Value Blank
0140	Drain-Total-Returns	8	N	Value numeric
0150	Filler	1	AN	Value Blank
0160	Drain-Tot-Return-Accp	8	N	Value numeric
0170	Filler	1	AN	Value Blank
0180	Drain-Tot-Record-Accp	10	N	Value numeric
0190	Filler	1	AN	Value Blank
0200	Drain-Total-Return-Rej	8	N	Value numeric
0210	Filler	2	AN	Value Blank
0220	SRS-Hash-SSNS	14	N	Numeric
0230	SRS-File-Number	3	N	Numeric
0240	SRS-File-Total	3	N	Numeric
0250	PDATE	8	N	Numeric (yyyymmdd)
0260	PTIME	4	N	Numeric (HHMM)
0270	YR-TO-DATE-COUNT	10	N	Numeric
	Record-Terminus	1	A	Value #

.17 Validation of State Records

Most standard reject conditions for state records are listed in the preceding section. Additionally, filers must follow these specifications or the state record(s) could be rejected.

1. The state packet consists of the state generic record followed by all associated unformatted records for the taxpayer. A maximum of one state generic record, and zero to twenty-five unformatted records can be contained in a packet. Only one state packet is allowed per federal return.

2. A generic record must be present in each state packet. Only one generic record is allowed per state packet. The generic record must precede any unformatted records for that tax return.

3. An unformatted record is not required; however, up to twenty-five unformatted records are allowed per state return packet. If more than twenty-five are present, the entire return is rejected with Error Reject Code 0045.

4. The Header Section in the generic and unformatted records (SEQ 0000 through SEQ 0020) must be present.

5. The Record ID's in both the generic and unformatted records are checked for consistency. If inconsistent, the record is rejected. The Record ID consists of 26 characters, broken down as follows:

Record ID Type	6	(Both Records "STbbbb")
Form Number	6	(Generic Record "0001bb" Unformatted Record "0002bb")
Page Number	5	(Both Records"PG01b")
Taxpayer Identification Number	9	N (Primary SSN)
Filler	1	blank
Form/Schedule Number	7	N (Generic"0000001" Unformatted "0000001 to "0000025")

6. The State Code represents the taxpayer's residence state. The taxpayer's residence state may be different than the state of the taxpayer's address. State return packets are distributed to states based on the state code in the generic record. The state code must be a valid Federal/State Electronic Filing state. Valid states in Tax Year **2006** are:

Alabama.....AL	Kansas.....KS	New York.....NY
Arkansas.....AR	Kentucky.....KY	North Carolina..NC
Arizona.....AZ	Louisiana.....LA	Ohio.....OH
Colorado.....CO	Maryland.....MD	Oklahoma.....OK
Connecticut.....CT	Michigan.....MI	Oregon.....OR
Washington DC...DC	Mississippi.....MS	Pennsylvania....PA
Delaware.....DE	Missouri.....MO	Rhode Island....RI
Hawaii..... ...HI	Montana.....MT	South Carolina..SC
Georgia.....GA	North Dakota....ND	Utah.....UT
Idaho.....ID	Nebraska.....NE	Vermont.....VT
Illinois.....IL	New Jersey.....NJ	Virginia.....VA
Indiana.....IN	New Mexico.....NM	West Virginia...WV
Iowa.....IA		Wisconsin.....WI

The state code must be consistent throughout the generic record and all associated unformatted records for the taxpayer.

.17 Validation of State Records continued

7. The State Direct Deposit/Direct Debit Section should be blank if there is no direct deposit or direct debit at the state level. There is no connection between the federal and state direct deposit or direct debit fields since these can differ. Taxpayers may elect to have the federal and state direct deposit or direct debits in the same account, or they can chose different accounts.

8. If there is an entry in the State Direct Deposit/Direct Debit Section the IRS will verify the state Routing Transit Number (RTN). If the state RTN is not listed on the current Financial Organization Master File (FOMF) an indicator will be set for the state's future use. The return will not be rejected.

9. The following Entity Section fields of the generic record must be significant or the returns will be rejected by the IRS: Name Line 1 (SEQ 0060), Address Line 1 (SEQ 0075), City (SEQ 0085), State Abbreviation (SEQ 0095), and Zip Code (SEQ 0100).

10. Any entry in the Consistency Section of the Generic Record, must equal the corresponding Federal Tax Form entry. If an entry is significant (i.e., not blank), it will be compared to the federal return. If a Consistency Section entry does not match the corresponding federal entry, the return will be rejected.

    To the extent possible, the Sequence Numbers for Forms 1040, 1040A, and 1040EZ are the same for the equivalent fields. If no Sequence Number is given, the field does not exist for that form.

Generic Record Consistency Section	1040	1040A	1040EZ
	----Sequence Number----		
0150 Federal Filing Status----------	0130	0130	(See note)
0155 Total Federal Exemptions----------	0355	0360	(See note)
0160 Wages, Salaries, Tips----------	0375	0375	0375
0165 Taxable Interest----------	0380	0380	0380
0170 Tax Exempt Interest----------	0385	0385	0385
0175 Dividends----------	0394	0394	
0180 State/Local Income Tax Refund-------	0420		
0185 Taxable Social Security Benefits-----	0557	0557	
0190 Keogh Plan and SEP Deductions--------	0650		
0195 Adjusted Gross Income----------	0750	0750	0750
0200 Standard/Itemized Deductions---------	0789	0789	
0205 Earned Income Credit----------	1180	1180	1180

Note: The Generic Record Federal Filing Status (SEQ 0150) and the Total Federal Exemptions (SEQ 0155) can contain an entry when the corresponding federal form is a Form 1040EZ and IRS will not reject the Federal/State return.

SEQ 0032 of the Generic Record is for IRS Use Only. IRS will populate this field.

.17 Validation of State Records continued

11. The numeric fields (SEQ 0350 - SEQ 0675), if not blank, will be checked for format.

12. The IRS will check the Declaration Control Number (DCN) in the federal Form 1040, 1040A, or 1040EZ against the Declaration Control Number (SEQ 0020) of the Generic and Unformatted Records and reject both the federal and state returns if these are not equal.

13. The IRS will check the Return Sequence Number (RSN) in the federal Form 1040, 1040A, or 1040EZ against the Return Sequence Number (SEQ 0023) of the Generic Record and reject both the federal and state returns if these are not equal.

14. The IRS will check all Federal/State returns for the following fields on Form(s) W-2: If "State Income Tax 1" (SEQ 0400) contains a positive value, then "State Name 1" (SEQ 0370) should contain a Standard Postal State Abbreviation. If "State Income Tax 2" (SEQ 0470) contains a positive value, then "State Name 2" (SEQ 0440) should contain a Standard Postal State Abbreviation. If this is not done, both the federal and state returns will be rejected with Error Reject Code 0405.

15. If the federal return is an Online return, the associated state return must also be an Online return. IRS will check the Online-State-Return (SEQ 0049) indicator of the state Generic Record. If these do not match, the Federal/State return will be rejected.

16. The following IRS Error Reject Codes are used exclusively for errors in the state return packet:

    0009 RESERVED

    The unformatted state record in fixed format exceeds the maximum length.

    0400 STATE RECORD

    The Generic Record must be present in the state data packet.

    An Unformatted Record was present without the Generic Record, or the Unformatted Record preceded the Generic Record.

    0401 STATE RECORD - STATE CODE (SEQ 0010)

    The State Code (SEQ 0010) in the Header Section of the Generic Record must be valid for the processing service center.

    The State Code must be consistent throughout Generic and associated Unformatted Records for the return.

    Exception: If State Abbreviation (SEQ 0095) of State Only Return equal "AS", "GU", "MP" "PR", or "VI" allow returns to be processed in Philadelphia.

.17 Validation of State Records continued

0402 STATE RECORD - ENTITY SECTION

All "Required Entry" fields in the Entity Section of the Generic Record (SEQ 0060, 0075, 0085, 0095, 0100) must be present.

0403 STATE RECORD - CONSISTENCY FIELDS

Any entry present in the Consistency Section of the Generic Record must equal the corresponding federal Tax Form entry.

0404 STATE RECORD - DECLARATION CONTROL NUMBER (DCN)

The DCN (SEQ 0020) of the Generic Record must equal the DCN of the federal Tax Form.

The DCN (SEQ 0020) of the Generic Record must equal the DCN (SEQ 0020) of the Unformatted Record.

0405 STATE RECORD - FORM W-2 CHECK

Each Form W-2 associated with a State Record must contain a valid State Abbreviation in State Name (SEQ 0370, 0440) when there is a significant entry in State Income Tax (SEQ 0400, 0470).

0406 STATE RECORD

A valid two-digit EFIN Prefix Code is permitted, if not assigned to a processing site, when State Data is present; or when Processing Site equals “G” (Philadelphia) and at least one of the following is present: Form 2555, Form 2555-EZ, Form 4563, Form 5074, Form 8689, Form 8833, Form 8854, Form 8891 and/or Form W-2GU; an Address Ind (SEQ 0097) of the Tax Form equal to “3”; a State Abbreviation (SEQ 0087) of the Tax Form equal to “AS”, “GU”, “MP”, “PR”, or “VI”.

0407 STATE RECORD - RETURN SEQUENCE NUMBER (RSN)

The Return Sequence Number (RSN) (SEQ 0023) of the Generic Record must equal the RSN of the Federal Tax Form.

0408 STATE RECORD - ONLINE RETURN INDICATOR

When Online-State-Return (SEQ 0049) of the Generic Record is equal to "O", the Transmission Type Code (**SEQ 0170**) of the TRANS Record A (TRANA) must equal "O", and vice versa.

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

IRS has two electronic signature options available for taxpayers to sign their tax returns, the Self-Select PIN and Practitioner PIN methods.

Questions or comments regarding Section 13 should be sent to:

Internal Revenue Service
Teara Mitchell, W:CAS:SP:ES:I, NCFB C5-356
5000 Ellin Road
Lanham, MD 20706
Phone: (202) 283-0226

01. What is the Self-Select PIN Method?

The Self-Select PIN method is one option for taxpayers to use when signing their electronic tax return. The PIN is any five numbers (except ALL zeros) the taxpayer chooses to enter as their electronic signature. A PIN is needed for each taxpayer if filing a joint return, and each can choose any five numbers. If the taxpayer is filing through an Electronic Return Originator (ERO), or using Tax Preparation Software, the taxpayer Date of Birth and Prior Year Adjusted Gross Income (AGI) **or Prior Year PIN** from the original return must also be entered for authentication.

If the taxpayer agrees, it is acceptable for an ERO and/or software program to generate or assign the taxpayer PIN. The taxpayer consents to the ERO's choice by completing and signing an IRS e-file signature authorization containing the intended taxpayer PIN. The taxpayer PIN can be systemically generated or manually assigned into the electronic format and/or the signature authorization form. However, the ERO must receive the signature authorization signed by taxpayer(s) before they transmit the return or release it for transmission to the IRS.

See Questions and Answers for the Self-Select PIN Method at the end of this Section.

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

02. Taxpayer Eligibility Requirements for the Self-Select PIN Method

The following taxpayers **are eligible** to use this option:

- Taxpayers who **are eligible** to file Form 1040, 1040A, 1040EZ or **1040EZ-T** for Tax Year 200**6**.
- Taxpayers who filed Form 1040 PR for TY 200**5**, who are eligible to file Form 1040, 1040A, or 1040EZ for Tax Year 200**6**.
- Taxpayers who did not file for Tax Year 200**5**, but have filed previously.
- Taxpayers who are age 16 or older on or before December 31, 200**6**, who have never filed a tax return.
- Primary taxpayers under age 16 who have filed previously.
- Secondary taxpayers under age 16 who have filed in the immediate prior year.
- Military personnel residing overseas with APO/FPO addresses.
- U.S. Citizens and resident aliens residing in the American Possessions of the Virgin Islands, Puerto Rico, America Samoa, Guam and Northern Marianas, or with foreign country addresses.
- Taxpayers filing a Form 4868 (extension of time to file) or Form 2350 (extension for certain U.S. citizens living aboard).
- Those who are filing on behalf of deceased taxpayers.

The following taxpayers **are NOT** eligible to participate:

- Primary taxpayers under age 16 who have never filed.
- Secondary taxpayers (spouse) under age 16 who did not file in the immediate prior year.
- Taxpayers who filed Forms 1040-NR or 1040-SS for Tax Year 200**5**.
- Taxpayers required to file the following forms, which must be attached to Form 8453, U.S. Individual Income Tax Declaration for an IRS e-file Return or Form 8453-OL, U.S. Individual Income Tax Declaration for an IRS e-file Online Return:
  - Form 1098-C, *Contributions of Motor Vehicles, Boats, and Airplanes* ***(or acceptable documentation/required donor documentation)***,
  - Form 3115, *Application for Change in Accounting Method,*
  - Form 3468, *Computation of Investment Credit, if historical Structure Certificate is required,*
  - Form 4136, *Credit for Federal Tax Paid on Fuels,* ***if certificate and/or reseller statement is required,***
  - From 5713, *International Boycott Report,*
  - Form 8283, *Noncash Charitable Contributions,* ***Section A, if statement(s) required, or Section B, Donated Property,***
  - Form 8332, *Release of Claim to Exemption for Children of Divorced or Separated Parents,*
  - Form 8858, *Information Return of U.S. Persons with Respect to Foreign Disregarded Entities,*
  - Form 8864, *Biodiesel and Renewable Diesel Fuels Credit, if Certificate and/or reseller statement is required,*
  - Form 8885, *Health Care Tax Credit, and*
  - **Schedule D-1**, ***Continuation Sheet for Schedule D (Form 1040) (or acceptable substitute), if taxpayer elects not to include their transactions on the electronic STCGL or LTCGL records.***

03. What is the Practitioner PIN method?

The Practitioner PIN method is another electronic signature option for taxpayers to *e*-file using a five digit PIN. The taxpayer chooses any five digits, except ALL zeros, as their PIN signature and must use an Electronic Return Originator (ERO) to *e*-file under this method. A PIN is needed for each taxpayer if filing a joint return, and each can choose any five numbers.

NOTE: The taxpayer's Date of Birth and Prior Year Adjusted Gross Income **or Prior Year PIN** are not required.

The Practitioner PIN method offers another signature option as well for EROs to use in preparing and transmitting Forms 1040, 1040A, 1040EZ, and **1040EZ-T** to IRS. In most cases, this method is totally paperless and eliminates the Form 8453.

If the taxpayer agrees, it is acceptable for an ERO and/or software program to generate or assign the taxpayer PIN. The taxpayer consents to the ERO's choice by completing and signing an IRS e-file signature authorization containing the intended taxpayer PIN. The taxpayer PIN can be systemically generated or manually assigned into the electronic format and/or the signature authorization form. However, the ERO must receive the signature authorization signed by taxpayer(s) before they transmit the return or release it for transmission to the IRS.

See Questions and Answers for the Practitioner PIN method at the end of this Section.

04. Taxpayer Eligibility Requirements for the Practitioner PIN Method

The following taxpayers are eligible to use this option:

- Taxpayers who are eligible to file Forms 1040, 1040A, 1040EZ or **1040EZ-T**.
- Military personnel residing overseas with APO/FPO addresses.
- U.S. citizens and resident aliens residing in the American Possessions of the Virgin Islands, Puerto Rico, America Samoa, Guam and Northern Marianas, or with foreign country addresses.
- Taxpayers filing a Form 4868 (extension of time to file).
- Those who are filing on behalf of deceased taxpayers.

The following taxpayers are NOT eligible to participate:

- Taxpayers required to file the following forms, which must be attached to Form 8453, U.S. Individual Income Tax Declaration for an IRS e-file Returns:
  - Form 1098-C, *Contributions of Motor Vehicles, Boats, and Airplanes,* ***(or acceptable documentation/required donor documentation)***,
  - Form 3115, *Application for Change in Accounting Method,*
  - Form 3468, *Computation of Investment Credit, if historic Structure Certificate is required,*
  - Form 4136, *Credit for Federal Tax Paid on Fuels,* ***if certificate and/or reseller statement is required,***
  - From 5713, *International Boycott Report,*
  - Form 8283, *Noncash Charitable Contributions,* ***Section A, if statement(s) required, or Section B, Donated Property,***
  - Form 8332, *Release of Claim to Exemption for Children of Divorced or Separated Parents,*
  - Form 8858, *Information Return of U.S. Persons with Respect to Foreign Disregarded Entities,*
  - Form 8864, *Biodiesel and Renewable Diesel Fuels Credit, if Certificate and/or reseller statement is required,*
  - Form 8885, *Health Coverage Tax Credit, and*
  - **Schedule D-1**, ***Continuation Sheet for Schedule D (Form 1040) (or acceptable substitute), if taxpayer elects not to include their transactions on the electronic STCGL or LTCGL records.***

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.05 Data Validation

The following information must be present for the taxpayer when using the Self-Select PIN option for *e*-file:

Primary **Taxpayer:**

Social Security Number
Name Control
Date of Birth
Prior Year Adjusted Gross Income (prior to any adjustment or change by IRS)
and/or
Prior Year PIN

Note: Taxpayers may provide both prior year AGI and PIN but must match one to be authenticated.

From Tax Year 200**5** return, taxpayer's original submission prior to any adjustment or change by IRS:
Adjusted Gross Income (AGI)

Spouse, When Married Filing Jointly:

Spouse Social Security Number
Spouse Name Control
Spouse Date of Birth
Prior Year Adjusted Gross Income (prior to any adjustment or change by IRS)
and/or
Prior Year PIN

Note: Taxpayers may provide both prior year AGI and PIN but must match one to be authenticated.

Special Circumstances:

If taxpayers filed a joint return for Tax Year 200**5** and want to file separate returns for Tax Year 200**6**, they will **each** enter the same AGI **or their PIN** from the 200**5** joint return on their separate returns for Tax Year 200**6.**

If taxpayers did not file jointly for Tax Year 200**5**, they are required to provide their respective AGI amount **or PIN.**

If a return was not filed for Tax Year 200**5**, the taxpayer is required to enter zero **"0"** in the AGI field. **(Prior Year PIN field should be left blank)**

If taxpayers filed Form 1040PR for Tax Year 200**5**, the taxpayer is required to enter zero **"0"** in the AGI field. **(Prior Year PIN field should be left blank)**

Note: Taxpayers who filed their 200**5** tax return after December 9, 200**6** are eligible to use the Self-Select PIN for *e*-file. However, these taxpayers will need to submit zeroes for their Adjusted Gross Income. In the event their return is rejected due to a mismatch of AGI, they can resubmit their return using their actual values. The extract creating the Self-Select PIN eligibles is created in December and due to processing constraints, late filers may or may not be included. Late filers can still use the Self-Select PIN.

05. Data Validation continued

Validation of Data:

Prior Year Adjusted Gross Income	The **Prior Year** AGI is entered in whole dollar amounts. There will be a one dollar tolerance level.
Date of Birth	An exact match on day, month and year against Social Security Administration records is required for all online returns with or without the Self-Select PIN usage. If a married filing jointly (MFJ) return is filed through a practitioner electronically and taxpayer(s)uses the Self-Select PIN(s) to sign their return, **the date of birth for the primary taxpayer and spouse are required**. However, their tax return will not reject if the Dates of Birth do not match. The Date of Birth Validity Code (Field 0117) will be present in the Acknowledgement Record. The Date of Birth Validity Code identifies whether validation of the Date of Birth (DOB) is required; and if the DOB is required, whether the DOB matched on the IRS File or not.
PIN	The Personal Identification Number (PIN) is self-selected **or agreed to** by the taxpayer. A PIN is required for the primary and secondary taxpayer. PIN is composed of 5 digits. All zeroes are not permitted. The spouse can use the same PIN as the primary. **The PIN is used on the current year tax return as the taxpayer's signature.**
Assignment of Taxpayer PIN	If the taxpayer agrees, it is acceptable for an ERO and/or software program to generate or assign the taxpayer PIN. The taxpayer consents to the ERO's choice by completing and signing an IRS *e*-file signature authorization containing the intended taxpayer PIN. The taxpayer PIN can be systemically generated or manually assigned into the electronic return format and/or the signature authorization form. However, the ERO must receive the signature authorization signed by the taxpayer(s) before they transmit the return or release it for transmission to IRS. This guideline refers to returns filed using the Self-Select or Practitioner PIN method.

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.06 IRS *e*-file Signature Authorizations

1. Form 8879, IRS *e*-file Signature Authorization, is used to authorize an Electronic Return Originator to enter the taxpayer's self-select personal identification number (PIN) as the taxpayer's signature on electronically filed Forms 1040, 1040A, and 1040EZ income tax returns. Form 8879 is provided as a convenience when the taxpayer is unavailable or unable to return to the office, or it is inconvenient for the taxpayer to personally sign the electronically prepared income tax return.

2. If the taxpayer agrees, it is acceptable for an ERO and/or software program to generate or assign the taxpayer PIN. The taxpayer consents to the ERO's choice by completing and signing an IRS e-file signature authorization containing the intended taxpayer PIN. The taxpayer PIN can be systemically generated or manually assigned into the electronic format and/or the signature authorization form. However, the ERO must receive the signature authorization signed by taxpayer(s) before they transmit the return or release it for transmission to the IRS. This guideline refers to returns filed using the Self-Select or Practitioner PIN method.

3. The practitioner will provide Form 8879 to the taxpayer along with a copy of the completed tax return personally or by U.S. mail, private delivery service, e-mail, or an Internet web site. Upon review of their tax return, the taxpayer(s) complete Part II of Form 8879 with their PIN, signature and date. The taxpayer must return the form to the ERO either personally, by U.S. mail, private delivery service, or FAX transmission. The ERO must retain the completed Form 8879 as instructed on the form.

4. Form 8878, IRS *e*-file Signature Authorization on Application for Extension of Time to File, is used for taxpayers to authorize the ERO to enter the taxpayer's PIN on one of several extension of time to file applications processed through Electronic Transmitted Documents (ETD) programs. Form 8879 procedures above also apply to Form 8878.

5. Electronic Funds Withdrawals accompanying Form 4868 can be signed using the Practitioner PIN method. A Form 8878 must be completed by all taxpayers who use this method. Note that a signature is only required to authorize the funds withdrawal. There is no signature requirement for the Form 4868 itself. See Part III of this publication for additional information on ETD programs.

6. When finalized, Forms 8879 and 8878 and instructions for use with Tax Year 200**5** *e*-file will be available on the IRS website, The Digital Daily, at www.irs.gov (click on "Forms and Pubs", then "Forms and Instructions"). Tax year 200**5** forms will be posted on the website as soon as possible; however, they may not be available at the time this document is published.

7. The Tax Year 2005 Forms 8879 and 8878 were revised to include the Electronic Funds Withdrawal (EFW) statement in the Part II. When either of these forms is used a separate EFW statement does not have to be provided to the taxpayer.

8. Exhibits of Forms 8879 and 8878 will be included in Publication 1345A, Filing Supplement for Authorized *e*-file Providers, Tax Year 200**6**.

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.07 Jurat/Disclosure Guidelines

1. This section provides guidelines for the jurat/disclosure language that is to be included in software packages for electronically filed returns.

2. In all instances, the appropriate jurat/disclosure text must be provided to taxpayers prior to the presentation of fields used to enter signature(s) (e.g. PIN) and related authentication information (e.g. Date of Birth and Adjusted Gross Income).

3. It is imperative that all taxpayers who use the Electronic Funds Withdrawal feature are provided with the appropriate Electronic Funds Withdrawal (EFW) text for their review. Only the approved EFW text displayed in this publication is to be used. The approved EFW text (selection D1) is displayed separately and has not been included in samples for Jurat/Disclosure Version A-D provided.

4. Online software products must provide the capability for taxpayers to view the jurat/disclosure statements on the input screen.

5. When Form 8879 and 8878 is used, the Electronic Withdrawal statement is provided to the taxpayer in Part II of the form. See Section 13.06.

6. Software products intended for use by tax professionals may also provide functionality to print a graphic equivalent of the jurat/disclosure statements for taxpayers to sign as an alternative to viewing and signing the statement on the input screen. A graphic equivalent may be appropriate when the taxpayer will not be present to review the completed return in the presence of the ERO, and has elected to authorize the ERO to enter the taxpayer(s) Self-Select PIN(s).

7. The jurat/disclosure text selections are located in Section 13.08 of this document. Samples of the jurat/disclosure versions A-D are included in Section 13.09.

8. Certain Decedent returns Forms 1040, 1040A, and 1040EZ are accepted into *e*-file. Text Selection T8 must be included for decedent returns filed with Form 1310, Statement of Person Claiming Refund Due a Deceased Taxpayer. If both taxpayers on a jointly filed refund return are deceased, a Form 1310 and selection T8 must be completed for each decedent.

   Note: **Form 1310 cannot be filed with electronically filed Form 1040EZ-T.**

9. Use the guidelines below, and notes on the text selections for jurat entry field format.

Jurat Entry Field Format Guidelines			
Field	**Length**	**Characters**	**Format/Notes**
Dates – (e.g. signature dates, Date of Birth)	Eight	All numeric	MMDDYYYY *(must convert to YYYYMMDD for record layouts)*
Taxpayer's PIN	Five	All numeric	Cannot be all zeroes
ERO or Paid Preparer PIN	Eleven	All numeric	First six positions = Electronic Filing Identification Number (EFIN); last five positions = Self-Selected numerics
Money Fields	Twelve maximum	All numeric	Dollars ONLY, zero fill if no prior year AGI

.07 Jurat/Disclosure Guidelines continued

10. The following table includes the valid Jurat Disclosure Codes for electronically filed Tax Year 200**6** Forms 1040, 1040A and 1040EZ. | The codes (e.g. P1,C1,T1) in the third column identify the possible selections for each jurat version.

11. Some text selections are required only when a specific condition exists. The jurat version display pages include a reference to these selections. Complete text is displayed on the page entitled "Special Condition Text Selections". Text for these selections MUST BE included when they apply to the taxpayer's filing situation. For example, include Selection D1 for all returns with an Electronic Funds Withdrawal (EFW), and use Selection T8 for decedent returns when a Form 1310 is attached.

Tax Year 2005 Jurat Disclosure Codes Form 1040 Series – Forms 1040, 1040A, 1040EZ, 1040EZ-T			
Jurat/ Disclosure Code	**Title**	**Required Screen/ Graphic Selections**	**Comments**
A	**Online Self-Select PIN Method Form 1040,A,EZ**		**Prepared by:** Taxpayer on personal computer **Transmitted by:** Intermediate Service Provider (ISP) or transmitter **Signatures:** Taxpayer(s) signs **with a PIN**
	• Without electronic funds withdrawal	P1,C1,T1	
	• If Decedent return with Form 1310 attached, also include…	T8	
	• With electronic funds withdrawal	P1,C1,D1, T1	
B	**Reqular Online Filing Form 1040,A,EZ Form 8453-OL Required**		**Prepared by:** Taxpayer on personal computer **Transmitted by:** ISP or transmitter **Signatures:** Form 8453-OL required Taxpayer(s) does not sign with a PIN
	• Without electronic funds withdrawal	C**3**,T2	
	• If Decedent return with Form 1310 attached, also include…	T8	
	• With electronic funds withdrawal	C**3**,T2	
C	**Self-Select PIN Method by ERO Form 1040,A,EZ**		**Prepared by:** Preparer/ERO **Transmitted by:** ERO **Signatures:** Taxpayer(s) signs with a PIN ERO – EFIN/PIN
	• Without electronic funds withdrawal	E1,P1,C1, T1	
	• If Decedent return with Form 1310 attached, also include…	T8	
	• With electronic funds withdrawal	E1,P1,C1, D1,T1	
D	**Practitioner PIN Method Form 1040,A,EZ**		**Prepared by:** Preparer/ERO **Transmitted by:** ERO **Signatures:** Taxpayer(s) signs with a PIN Paid Preparer's EFIN/PIN NOTE: Form 8879, IRS *e*-file Signature Authorization, Including Part III, is required. Taxpayer prior year **AGI/Taxpayer PIN,** and Date of Birth not required.
	• Without electronic funds withdrawal	E1,P1,C1, T6	
	• If Decedent return with Form 1310 attached, also include…	T8	
	• With electronic funds withdrawal (See Selection D1 explanations to follow)	E1,P1,C1,T6	
BLANK			Form 8453 is required.

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.08 Jurat Language Text Selections

1. This section identifies the various Perjury, Consent to Disclosure, and Electronic Funds Withdrawal (EFW) text selections (components) used to develop jurat language statements for electronic filing tax preparation software.

2. The software shall provide the capability to incorporate these statements into the appropriate jurat text for presentation to taxpayer(s) for their review.

3. Use the table in .06 above and the displays in this section to determine the appropriate components or building blocks to develop jurat statements for Form 1040 series returns.

4. Jurat language and related requirements used only for documents submitted through the Electronically Transmitted Documents (ETD) system are included in Part III of this document.

Perjury Statement Selections

Selection P1
Perjury Statement – use this selection when electronically filing Form 1040, 1040A, 1040EZ, or 1040EZ-T with Self-Select PIN

Perjury Statement Under penalties of perjury, I declare that I have examined this return, including any accompanying statements and schedules and, to the best of my knowledge and belief, it is true, correct, and complete.

Selection P2 (Reserved)

Selection P3 (ETD only) See Part III of this document

.08 Jurat Language Text Selections continued

Consent to Disclosure Selections

A Consent to Disclosure is to be included on the screen for all electronically filed returns and documents.

Selection C1
Consent to Disclosure - use this selection for electronically filed Form 1040 Series returns

Consent to Disclosure
I consent to allow my Intermediate Service Provider, transmitter, or Electronic Return Originator (ERO) to send my return/form to IRS and to receive the following information from IRS: a) an acknowledgement of receipt or reason for rejection of transmission; b) an indication of any refund offset; c) the reason for any delay in processing or refund; and, d) the date of any refund.

Selection C2 (ETD only) See Part III of this document

Selection C3
Consent to Disclosure – use this selection for electronically filed Form 1040 series returns that require taxpayers to file a Form 8453-OL signature document.

I consent to allow my intermediate service provider or transmitter to send my return to the IRS and to receive the following information from the IRS: a) an acknowledgement of receipt or reason for rejection of transmission; b) an indication of any refund offset; c) the reason for any delay in processing the return or refund; d) notification that Form 8453-OL signature documents have not been received for the past two years, if required; and e) the date of any refund.

ERO Declaration

Selection E1
ERO Declaration and Signature - use this selection and ERO PIN entry when return is transmitted by an Electronic Return Originator (ERO). For use with Self-Select and Practitioner PIN methods.

ERO Declaration
I declare that the information contained in this electronic tax return is the information furnished to me by the taxpayer. If the taxpayer furnished me a completed tax return, I declare that the information contained in this electronic tax return is identical to that contained in the return provided by the taxpayer. If the furnished return was signed by a paid preparer, I declare I have entered the paid preparer's identifying information in the appropriate portion of this electronic return. If I am the paid preparer, under the penalties of perjury I declare that I have examined this electronic return, and to the best of my knowledge and belief, it is true, correct, and complete. This declaration is based on all information of which I have any knowledge.

ERO Signature
I am signing this Tax Return by entering my PIN below.

ERO's PIN
(enter EFIN plus 5 Self-Selected numerics)

.08 Jurat Language Text Selections continued

Electronic Funds Withdrawal Consent Selections

Include an Electronic Funds Withdrawal Consent statement only when taxpayer has selected the Electronic Funds Withdrawal option

Selection D1
Electronic Funds Withdrawal Consent for Forms 1040, 1040A, 1040EZ, or 1040EZ-T Statement MUST BE included with all Electronic Funds Withdrawal (EFW) returns

Electronic Funds Withdrawal Consent

If applicable, I authorize the U.S. Treasury and its designated Financial Agent to initiate an ACH electronic funds withdrawal (direct debit) entry to the financial institution account indicated in the tax preparation software for payment of my Federal taxes owed on this return and/or a payment of estimated tax, and the financial institution to debit the entry to this account. I further understand that this authorization may apply to future Federal tax payments that I direct to be debited through the Electronic Federal Tax Payment System (EFTPS). In order for me to initiate future payments, I request that the IRS send me a personal identification number (PIN) to access EFTPS. This authorization is to remain in full force and effect until I notify the U.S. Treasury Financial Agent to terminate the authorization. To revoke a payment, I must contact the U.S. Treasury Financial Agent at 1-888-353-4537 no later than 2 business days prior to the payment (settlement) date. I also authorize the financial institutions involved in the processing of the electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to the payment.

Note: As was revised for Tax Year 2005, Form 8879 (and 8878) now includes the Electronic Funds Withdrawal (EFW) consent language in Part II of each form. Many Software products are designed to include Form 8879 and 8878 (e.g. as required for Practitioner PIN method returns), if Form 8879 or 8878 is not used for an EFW return or document you must still provide EFW consent language to the taxpayer as above.

Selection D2 (ETD only) See Part III of t*his document*

Selection D3 (ETD only) See Part III of this document

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.08 Jurat Language Text Selections continued

Taxpayer Signature Selections

Selection T1
Use this signature selection when filing a Form 1040, 1040A, 1040EZ, 1040EZ-T |
and the Self-Select PIN method will be used to sign the return

I am signing this Tax Return/Form and Electronic Funds Withdrawal Consent, if applicable, by entering my PIN below.

Taxpayer's PIN: _ _ _ _ _ Date:_ _ _ _ _ _ _ _
Taxpayer's Date of Birth: _ _ _ _ _ _ _ _
Taxpayer's Prior Year Adjusted Gross Income: _ _ _ _ _ _ _ _ _ _ _ _ _ *
Taxpayer's Prior Year PIN: _ _ _ _ _ *
Spouse's PIN: _ _ _ _ _
Spouse's Date of Birth: _ _ _ _ _ _ _ _
Spouse's Prior Year Adjusted Gross Income: _ _ _ _ _ _ _ _ _ _ _ _ _ _ *
Spouse's Prior Year PIN: _ _ _ _ _ *

***NOTE: Taxpayers may use either the AGI or PIN for authentication. If both are included in the record only one has to match IRS records.**

Selection T2
Use this signature selection when filing a Form 1040, 1040A, 1040EZ, 1040EZ-T |
Online and using Form 8453-OL to sign the return

I am transmitting this Tax Return and signing this Electronic Funds Withdrawal Consent, if applicable, by entering my Date of Birth below.

Taxpayer's Date of Birth (DOB): _ _ _ _ _ _ _ _ Date:_ _ _ _ _ _ _ _
Spouse's Date of Birth:_ _ _ _ _ _ _ _

Selection T3 (ETD only) See Part III of this document

Selection T4 (ETD only) See Part III of this document

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.08 Jurat Language Text Selections continued

Selection T5 (ETD only) See Part III of this document
Reserved – not available for Tax Year 2006

Selection T6
Use this signature selection for returns filed using the Practitioner PIN method. ERO is required to retain Form 8879, IRS e-file Signature Authorization, that has been signed by the taxpayer(s)

I am signing this Tax Return and Electronic Funds Withdrawal Consent, if applicable, by entering my PIN below.

Taxpayer's PIN:_ _ _ _ _ Date_ _ _ _ _ _ _ _
Spouse's PIN: _ _ _ _ _

Selection T7 (ETD only) See Part III of this document

Selection T8 – Decedent Returns only with Form 1310 attached
Must be included with all Decedent Returns when Form 1310 is attached.

Use this selection only for Form 1040, 1040A, or 1040EZ Decedent returns that are filed with a Form 1310, Statement of Person Claiming Refund Due a Deceased Taxpayer. If both taxpayers are shown as decedents on this return, two Forms 1310 are required, and T8 information must be completed for each decedent.

Note: Form 1310 cannot be filed electronically with Form 1040EZ-T.

Form 1310 Signature and Verification
Completion of this section indicates that I am requesting a refund of taxes overpaid by or on behalf of the decedent. Under penalties of perjury, I declare that I have examined this Form 1310 claim, and to the best of my knowledge and belief, it is true, correct, and complete.

_____ _ _ _ _ _ _ _ _
Signature of person claiming refund (35 character limit) Date

Selection T9 (ETD only) See Part III of this document

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.09 *e*-file Jurat/Disclosure Text - Codes A-D

Tax Year 2005 Jurat/Disclosure Code A Text
Online Self-Select PIN Form 1040, 1040A, 1040EZ or 1040EZ-T

Perjury Statement
Under penalties of perjury, I declare that I have examined this return, including any accompanying statements and schedules and, to the best of my knowledge and belief, it is true, correct, and complete.

Consent to Disclosure
I consent to allow my Intermediate Service Provider, transmitter, or Electronic Return Originator (ERO) to send my return/form to IRS and to receive the following information from IRS: a) an acknowledgement of receipt or reason for rejection of transmission; b) an indication of any refund offset; c) the reason for any delay in processing or refund; and, d) the date of any refund.

Additional Statements may be required. See Special Optional Text Selections for Jurat/Disclosure Codes A – D in this section.

Electronic Funds Withdrawal Consent - MUST BE included with all returns with Electronic Funds Withdrawal

Form 1310 Signature and Verification – Decedent returns with Form 1310 only.

I am signing this Tax Return/Form and Electronic Funds Withdrawal Consent, if applicable, by entering my PIN below.

Taxpayer's PIN: _ _ _ _ _ Date:_ _ _ _ _ _ _ _
Taxpayer's Date of Birth: _ _ _ _ _ _ _ _
Taxpayer's Prior Year Adjusted Gross Income:_ _ _ _ _ _ _ _ _ _ _ _*
Taxpayer's Prior Year PIN:_ _ _ _ _*
Spouse's PIN:_ _ _ _ _
Spouse's Date of Birth: _ _ _ _ _ _ _ _
Spouse's Prior Year Adjusted Gross Income:_ _ _ _ _ _ _ _ _ _ _ _*
Spouse's Prior Year PIN:_ _ _ _ _*

***NOTE: Taxpayers may use either the AGI or PIN for authentication. If both are included in the record only one has to match IRS records.**

.09 *e*-file Jurat/Disclosure Text - Codes A–D continued

Tax Year 2005 Jurat/Disclosure – Code B Text
Regular Online Filing Form 1040, 1040A, 1040EZ, or 1040EZ-T
(Taxpayer must file Form 8453-OL)

Consent to Disclosure
Consent to allow my intermediate service provider or transmitter to send my return to the IRS and to receive the following information from the IRS: a) an acknowledgement or receipt of reason for rejection of transmission; b) an indication of any refund offset; c) the reason for any delay in processing the return or refund; **d) notification that Form 8453-OL signature documents have not been received for the past two years, if required**; and e) the date of any refund.

Additional Statements may be required. See Special Optional Text Selections for Jurat/Disclosure Codes A – D in this section.

Electronic Funds Withdrawal Consent – The EFW language is to be included on Form 8453-OL that is required to be signed and filed by the taxpayer.

Form 1310 Signature and Verification – Decedent returns with Form 1310 only.

I am transmitting this Tax Return and signing this Electronic Funds Withdrawal Consent, if applicable, by entering my Date of Birth below.

Taxpayer's Date of Birth (DOB): _ _ _ _ _ _ _ _ Date:_ _ _ _ _ _ _ _
Spouse's Date of Birth:_ _ _ _ _ _ _ _

.09 *e*-file Jurat/Disclosure Text – Codes A-D continued

Tax Year 2005 Jurat/Disclosure – Code C Text
Self-Select PIN by ERO Form 1040, 1040A, 1040EZ, or 1040EZ-T

ERO Declaration
I declare that the information contained in this electronic tax return is the information furnished to me by the taxpayer. If the taxpayer furnished me a completed tax return, I declare that the information contained in this electronic tax return is identical to that contained in the return provided by the taxpayer. If the furnished return was signed by a paid preparer, I declare I have entered the paid preparer's identifying information in the appropriate portion of this electronic return. If I am the paid preparer, under the penalties of perjury I declare that I have examined this electronic return, and to the best of my knowledge and belief, it is true, correct, and complete. This declaration is based on all information of which I have any knowledge.

ERO Signature
I am signing this Tax Return by entering my PIN below.

ERO's PIN _ _ _ _ _ _ _ _ _ _ _ _
(enter EFIN plus 5 Self-Selected numerics)

Perjury Statement
Under penalties of perjury, I declare that I have examined this return, including any accompanying statements and schedules and, to the best of my knowledge and belief, it is true, correct, and complete.

Consent to Disclosure
I consent to allow my Intermediate Service Provider, transmitter, or Electronic Return Originator (ERO) to send my return/form to IRS and to receive the following information from IRS: a) an acknowledgement of receipt or reason for rejection of transmission; b) an indication of any refund offset c) the reason for any delay in processing or refund; and, d) the date of any refund.

Additional Statements may be required. See Special Optional Text Selections for Jurat/Disclosure Codes A – D in this section.

Electronic Funds Withdrawal Consent - MUST BE included with all returns with Electronic Funds Withdrawal

Form 1310 Signature and Verification – Decedent returns with Form 1310 only.

I am signing this Tax Return and Electronic Funds Withdrawal Consent, if applicable, by entering my PIN below.

Taxpayer's PIN:_ _ _ _ _ Date:_ _ _ _ _ _ _ _
Taxpayer's Date of Birth: _ _ _ _ _ _ _ _
Taxpayer's Prior Year Adjusted Gross Income:_ _ _ _ _ _ _ _ _ _ _ _ _*
Taxpayer's Prior Year PIN:_ _ _ _ _* |
Spouse's PIN:_ _ _ _ _
Spouse's Date of Birth: _ _ _ _ _ _ _ _
Spouse's Prior Year Adjusted Gross Income:_ _ _ _ _ _ _ _ _ _ _ _ _ _*
Spouse's Prior Year PIN:_ _ _ _ _* |

***NOTE: Taxpayers may use either the AGI or PIN for authentication. If both are included in the record only one has to match IRS records.**

.09 *e*-file Jurat/Disclosure Text – Code A–D continued

Tax Year 2005 Jurat/Disclosure – Code D Text
Practitioner PIN Method Form 1040, 1040A, 1040EZ, 1040EZ-T
Form 8879, IRS *e*-file Signature Authorization required

ERO Declaration
I declare that the information contained in this electronic tax return is the information furnished to me by the taxpayer. If the taxpayer furnished me a completed tax return, I declare that the information contained in this electronic tax return is identical to that contained in the return provided by the taxpayer. If the furnished return was signed by a paid preparer, I declare I have entered the paid preparer's identifying information in the appropriate portion of this electronic return. If I am the paid preparer, under the penalties of perjury I declare that I have examined this electronic return, and to the best of my knowledge and belief, it is true, correct, and complete. This declaration is based on all information of which I have any knowledge.

ERO Signature
I am signing this Tax Return by entering my PIN below.

ERO's PIN
(enter EFIN plus 5 Self-Selected numerics)

Perjury Statement
Under penalties of perjury, I declare that I have examined this return, including any accompanying statements and schedules and, to the best of my knowledge and belief, it is true, correct, and complete.

Consent to Disclosure
I consent to allow my Intermediate Service Provider, transmitter, or Electronic Return Originator (ERO) to send my return/form to IRS and to receive the following information from IRS: a) an acknowledgement of receipt or reason for rejection of transmission; b) an indication of any refund offset; c) the reason for any delay in processing or refund; and, d) the date of any refund.

Additional Statements may be required. See Special Optional Text Selections for Jurat/Disclosure Codes A – D in this section.

Electronic Funds Withdrawal Consent – The EFW language is to be included on Form 8879 that is required to be signed by the taxpayer.

Form 1310 Signature and Verification – Decedent returns with Form 1310 only.

I am signing this Tax Return and Electronic Funds Withdrawal Consent, if applicable, by entering my PIN below.

Taxpayer's PIN: _ _ _ _ _ Date: _ _ _ _ _ _ _ _
Spouse's PIN: _ _ _ _ _

Special Condition Text Selections
Use with Jurat/Disclosure Codes A – D
Tax Year 2005

The Special Condition Text Selections below are to be used with Jurat/Disclosure Code A – D as appropriate. These statements do not have to be provided to all taxpayers, but they MUST be provided when the Special Condition applies. The jurat language A – D displays on the previous pages refer to the text below but do not include the entire text in the display.

Selection D1
Electronic Funds Withdrawal Consent for Forms 1040, 1040A, 1040EZ, and ***1040EZ-T*** |
(Include this statement only with Electronic Funds Withdrawal returns if Form 8879 was not completed).

Electronic Funds Withdrawal Consent

If applicable, I authorize the U.S. Treasury and its designated Financial Agent to initiate an ACH electronic funds withdrawal (direct debit) entry to the financial institution account indicated in the tax preparation software for payment of my Federal taxes owed on this return and/or a payment of estimated tax, and the financial institution to debit the entry to this account. I further understand that this authorization may apply to future Federal tax payments that I direct to be debited through the Electronic Federal Tax Payment System (EFTPS). In order for me to initiate future payments, I request that the IRS send me a personal identification number (PIN) to access EFTPS. This authorization is to remain in full force and effect until I notify the U.S. Treasury Financial Agent to terminate the authorization. To revoke a payment, I must contact the U.S. Treasury Financial Agent at 1-888-353-4537 no later than 2 business days prior to the payment (settlement) date. I also authorize the financial institutions involved in the processing of the electronic payment of taxes to receive confidential information necessary to answer inquiries and resolve issues related to the payment.

See additional information regarding the electronic funds withdrawal (EFW) consent under the selection D1 explanation in Section 13.08.

Selection T8 – Decedent Returns only with Form 1310 attached
Use this selection only for Form 1040, 1040A, or 1040EZ Decedent returns that are filed with a Form 1310, Statement of Person Claiming Refund Due a Deceased Taxpayer. If both taxpayers are shown as decedents on the return, two Forms 1310 are required, and T8 must be completed for each decedent.

Note: Form 1310 cannot be filed electronically with Form 1040EZ-T. |

Form 1310 Signature and Verification
Completion of this section indicates that I am requesting a refund of taxes overpaid by or on behalf of the decedent. Under penalties of perjury, I declare that I have examined this Form 1310 claim, and to the best of my knowledge and belief, it is true, correct, and complete.

_____ _ _ _ _ _ _ _ _
Signature of person claiming refund (35 character limit) Date

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

10. Validation of Electronic Signatures for *e*-file

The following Error Reject Codes are used for electronic signatures:

NOTE: Error reject code definitions can be found in Publication 1346, Attachment 1.

01. General Error Reject Code for Electronic Signature
ERC 0689 and 1150

02. Online PIN Error Reject Codes
ERC 0673, 0681, 0682 and 0696

03. Practitioner PIN Error Reject Codes
ERC 0695, 0697, 0698 and 0699

04. Self-Select PIN Error Reject Codes
ERC 0670, 0671 and 0694

05. The following error reject codes are valid for Online, Practitioner and Self-Select PIN methods:
ERC 0668, 0669, 0672, 0674, 0675, 0676, 0677, 0678, 0679, 0680, 0683, 0684, 1150 and 1155

Intentional Blank Page

.11 Self-Select PIN Method Questions and Answers

1. What is the Self-Select PIN Method?

The Self-Select PIN (Personal Identification Number) method allows taxpayers to electronically sign their *e*-filed return by using a five-digit PIN as their signature. The five-digit PIN can be any five numbers except all zeros. **The taxpayer will need to know their original prior year Adjusted Gross Income or PIN from their prior year (Tax Year 2005) tax return and their Date of Birth or verification purpose.** It eliminates the requirement for Form 8453, U.S. Individual Income Tax Declaration for an IRS *e*-file Return in most cases. When an electronic signature is chosen, no signature documents are required to be filed with the IRS.

2. Who is eligible to use the Self-Select PIN method to sign their return?

The following taxpayers are eligible to use the Self-Select PIN method:

- Taxpayers who are eligible to file Forms 1040, 1040A, or 1040EZ for Tax Year 200**6**.
- Taxpayers who filed Form 1040-PR for TY 200**5**, who are eligible to file Form 1040, 1040A, or 1040EZ for Tax Year 200**6**.
- Taxpayers who did not file for Tax Year 200**5**, but have filed previously.
- Taxpayers who are age 16 or older on or before December 31, 200**6**, who have never filed a tax return.
- Primary taxpayers under age 16 who have filed previously.
- Secondary taxpayers under age 16 who have filed in the immediate prior year.
- Military personnel residing overseas with APO/FPO addresses.
- U.S. Citizens and resident aliens residing in the American Possessions of the Virgin Islands, Puerto Rico, America Samoa, Guam and Northern Marianas, or with foreign country addresses.
- Taxpayers filing a Form 4868 (extension of time to file), or Form 2350 (extension for certain U.S. citizens living aboard).
- Those who are filing on behalf of deceased taxpayers.

.11 Self-Select PIN Method Questions and Answers continued

3. Are there any taxpayers not eligible to use the Self-Select PIN method?

The following taxpayers are not eligible to use the Self-Select PIN method:

- Primary taxpayers under age 16 that have never filed.
- Secondary taxpayers (spouse) under age 16 that did not file in the immediate prior year.
- Taxpayers required to file the following forms, which must be attached to Form 8453, U.S. Individual Income Tax Declaration for an IRS e-file Returns or Form 8453-OL, U.S. Individual Income Tax Declaration for an IRS e-file Online Return:

  - Form 1098-C, *Contributions of Motor Vehicles, Boats, and Airplanes,* ***(or acceptable documentation/required donor documentation)***,
  - Form 3115, *Application for Change in Accounting Method ,*
  - Form 3468, *Computation of Investment Credit, if historic Structure Certificate is required,*
  - Form 4136, *Credit for Federal Tax Paid on Fuels,* ***if certificate and/or reseller statement is required,***
  - From 5713, *International Boycott Report,*
  - Form 8283, *Non-Cash Charitable Contributions,* ***Section A, if statement(s) required, or Section B, Donated Property,***
  - Form 8332, *Release of Claim to Exemption for Children of Divorced or Separated Parents,*
  - Form 8858, *Information Return of U.S. Persons with Respect to Foreign Disregarded Entities,*
  - Form 8864, *Biodiesel and Renewable Diesel Fuels Credit, if Certificate and/or reseller statement is required,*
  - Form 8885, *Health Care Tax Credit, and*
  - **Schedule D-1,** ***Continuation Sheet for Schedule D (Form 1040) (or acceptable substitute), if taxpayer elects not to include their transactions on the electronic STCGL or LTCGL records.***

4. How can the taxpayer get their original AGI <u>or prior year PIN</u> if they did not bring in last year's tax return or they are a new client?

The taxpayer may call the IRS toll free number at 1-800-829-1040. If they can provide certain information to the Customer Service Representative (such as their name, SSN and current address), they may receive the original AGI amount **or prior year PIN** over the phone or they may request a free transcript. Allow 7 to 10 days to receive the transcript. (Taxpayer should be sure to ask for the Original AGI.)

5. If the taxpayer has never filed a tax return or did not need to file a tax year 2005 return, what amount do they enter for the original AGI or prior year PIN?

Enter zero ("0") for the original AGI. Do not leave this field blank. The return will reject if the field is left blank for a zero amount. However, the prior year PIN field should be left blank.

.11 Self-Select PIN Method Questions and Answers continued

6. If the taxpayer changed filing status from their 2005 tax return, what Adjusted Gross Income (AGI) do I use?

If the change is ***to*** Married Filing Jointly, then each taxpayer will use their individual original **total** Adjusted Gross Income **amount or PIN** from their respective 200**5** tax returns.

If the change is ***from*** Married Filing Jointly, then each taxpayers will use the same original **total** Adjusted Gross Income **amount or PIN** from the 200**5** joint return.

7. What AGI amount should be used for a taxpayer that filed jointly with a different spouse in the prior year?

Use the AGI amount **or PIN** from the joint return filed with the ex-spouse.

8. What AGI amount should be used when one taxpayer of the joint return earned all the wages?

Both taxpayers on the joint return will use the total AGI amount from the originally filed return. The AGI amount should not be divided between the primary and the spouse.

9. If my client filed an amended tax return last year, what AGI amount or PIN should they use?

Your client must use the Original AGI amount **or PIN** from the originally filed return. The return will reject if the amended AGI amount is used.

10. If my client filed their prior year tax return after April 15, what AGI amount should they use?

If you clients' TY 200**5** tax return was not received and processed by IRS by December 9, 200**6**, they must enter "0" (zero) as their AGI amount. In the event their return is rejected due to a mismatch of AGI, they can resubmit their return using their actual values.

11. If my clients' prior year AGI is negative what should they use?

If your client's prior year AGI is negative, they need to enter the AGI as a negative amount.

12. If the taxpayer does not want to use the PIN, can they still file their return electronically?

Yes, have the taxpayer sign Form 8453, U.S. Individual Income Tax Declaration for an IRS *e*-file Return. The ERO must mail Form 8453 to the IRS within three business days after receiving acknowledgement that the return was accepted by IRS.

13. If the taxpayer uses a PIN and owes taxes, can they pay the balance due electronically?

Yes. Taxpayers who use a PIN may pay their balance due by electronic funds withdrawal or credit card.

.11 Self-Select PIN Method Questions and Answers continued

14. Are all taxpayers who file electronically and sign with a PIN required to pay any balance due electronically?

No. Taxpayers who prefer to pay by check or money order should file Form 1040-V, Payment Voucher. Form 8879, IRS e-file Signature Authorization, should not be used to transmit any payments.

15. Is the Self-Select PIN a Universal PIN?

No. It is used as the taxpayer's electronic signature on their Individual Income Tax Return only. **Taxpayers may also use it as a piece of authentication when filing their next year tax return with the Self-Select PIN method.**

16. Can the taxpayer use the same PIN next year?

Yes, or they may choose any 5 numbers except all zeroes.

17. What happens if two taxpayers select and use the same PIN to sign their return?

It is acceptable for two taxpayers to choose the same five digit PIN. The taxpayer's personal information (Social Security Number, Date of Birth, and original Adjusted Gross Income **or PIN** from the **2005** tax return)provided to the IRS is used to verify the taxpayer's identity.

18. What is the Prior Year PIN?

The Prior Year PIN is the PIN the taxpayer used to sign their previous year tax return.

19. How would my client get a copy of their Prior Year PIN?

EROs will need to provide taxpayers with documentation that has the PIN on it. Tax preparation software should be capable of providing the taxpayer with a copy of the PIN used in their current tax return so that it will be available for them to use as their shared secret the next year. As a suggestion, the PIN can be pre-printed on the signature line (SEQ 1321/1324) of the tax return to avoid additional paper generation.

20. What PIN does the taxpayer use when the prior year return was originally rejected and the corrected return was retransmitted with a different PIN?

The PIN that was entered on the e-file accepted tax return is the PIN the taxpayer must use to authenticate themselves.

21. Do both taxpayers filing a joint return need a PIN?

Yes, each taxpayer must sign using a PIN. The taxpayers will choose any five **digits**, except all zeros, as the electronic signatures.

22. What should I do if my client is unable to return to my office to input his/her PIN?

Your client may authorize you to input his/her PIN by completing Form 8879, IRS *e*-file Signature Authorization. Provide Form 8879 to the taxpayer along with a copy of the completed tax return, either personally or by mail. Instruct your client to review the tax return for accuracy and complete the Form 8879 by providing the requested information (a self-selected five-digit PIN, pen and ink signature, and date). If your client is unable to return the signed Form 8879 to your office, he/she may return it by mail or FAX.

.11 Self-Select PIN Method Questions and Answers continued

23. What is Form 8879, IRS *e*-file Signature Authorization?

Form 8879, IRS *e*-file Signature Authorization allows the tax professional to input the taxpayer's PIN. It is provided as a convenience for taxpayers who are unavailable to personally enter their PIN.

24. Where can I obtain a copy of Form 8879?

Some tax preparation software includes Form 8879, IRS *e*-file Signature Authorization format. A copy can also be obtained from the IRS website, www.irs.gov. **A Spanish** version, Form 8879-SP, is also available on the website.

25. Must I use Form 8879 for every *e*-file return I file using the Self-Select PIN Method?

No. Form 8879 is only required when one or both taxpayers are unavailable to personally enter their PIN, or if the PIN was generated or assigned by the ERO.

26. Can the taxpayer give me their PIN verbally for me to enter in their electronic record?

Yes. The taxpayer may give you their PIN verbally; however, you must receive a completed Form 8879, IRS *e*-file Signature Authorization, from the taxpayer before you transmit the return or release it for transmission to the IRS.

27. Is it acceptable for an ERO to enter the taxpayer's PIN in the electronic return format before Form 8879 is generated.

Yes, the taxpayer PIN can be entered into the electronic return format prior to generation of the Form 8879. However, the ERO must receive a completed Form 8879 signed by the taxpayer before you transmit the return or release it for transmission to the IRS.

28. Is it acceptable for an ERO and/or software program to generate or assign the five digit PIN the taxpayer will use to sign his *e*-file return?

Yes, an ERO may determine the taxpayer's PIN if certain conditions are met. In all instances, the taxpayer shall retain the right to select his or her own PIN. If the taxpayer agrees to allow the ERO to determine the taxpayer PIN, the taxpayer will consent to the ERO's choice by completing and signing a Form 8879 which contains the taxpayer PIN used as the return signature. The taxpayer PIN can be systemically generated or manually assigned by the ERO.

29. Is it acceptable for the ERO to assign the same PIN for multiple clients?

Yes, it is acceptable to assign the same PIN for multiple clients.

30. Can a married taxpayer filing a joint return pick the PIN and enter it for his/her spouse?

No. The taxpayer that is not present to personally enter their PIN must complete Form 8879 to authorize their tax professional to input the PIN for them.

.11 Self-Select PIN Method Questions and Answers continued

31. Do both taxpayers filing a joint return have to authorize the tax professional to input their PINs?

No, only the taxpayer that is not present to sign the return should authorize the preparer to enter their PIN. If neither spouse is present to sign a joint return, each can authorize the preparer to enter his/her respective PIN. A spouse who is present should enter his/her own PIN, even if the preparer has authorization to enter the other spouse's PIN.

32. What is my responsibility as a return preparer using Form 8879 when the taxpayer completed their own return?

As a return preparer, your responsibility is to provide the taxpayer with Form 8879 along with their return for review. You are required to generate or enter the header information, the five tax return line items in Part I, and the ERO firm name in Part II. You may also systemically generate or manually assign the taxpayer PIN in Part II.

33. When does the taxpayer complete Form 8879?

If you prepared the return, the taxpayer must complete Form 8879 after they have reviewed the prepared return. If the taxpayer provided a completed return for transmission, the Form 8879 and PIN selection can be completed without reviewing the electronic return. You must receive the completed Form 8879 from the taxpayer before you transmit the return or release it for transmission to the IRS. Tax return line items in Part I must be entered on Form 8879 before the taxpayer signs.

34. Can a taxpayer complete Form 8879 and fax it to the ERO?

Yes. Form 8879 can be signed and returned to the ERO via fax transmission. However, the ERO must retain Form 8879 in their file for three years from the Return Due Date or IRS Received Date, whichever is later. Form 8879 files can be retained electronically in accordance with Rev. Proc. 97-22.

35. Do I provide a copy of the completed Form 8879 to the taxpayer for their records?

Provide a copy of the completed Form 8879 to those taxpayers requesting one. You may provide a copy to other taxpayers, but you are not required to do so.

However, EROs will need to provide taxpayers with a copy of Form 8879 if the current year PIN is assigned by the ERO or generated by the software. The taxpayer may need the PIN to use as their shared secret the next year.

36. Can a preparer enter the taxpayer's PIN on an Application for Extension of Time to File?

Yes. Form 8878, IRS *e*-file Signature Authorization for **Form 4868 and Form 2350** is available for taxpayers to authorize the ERO input of their PIN on Forms 4868 and 2350. Form 8878 is included in some software packages. A copy can be obtained from the IRS website, www.irs.gov. A Spanish version, Form 8878-SP, is also available on the website.

.11 Self-Select PIN Method Questions and Answers continued

37. Do I have to mail Form 8879 or Form 8878 to the IRS?

No. Retain the completed Form 8879 and Form 8878 in your file for three years from the Return Due Date or IRS Received Date, whichever is later. **In addition, Form 8879 should not be used as a transmittal to fax documents or submit payments to IRS.**

38. Is it acceptable for an Electronic Return Originator (ERO) to electronically image and store Form 8879, IRS *e*-file Signature Authorization, and Form 8878, IRS *e*-file Signature Authorization for Form 4868 or Form 2350, and meet the document retention requirement?

Yes, an ERO may electronically image and store Forms 8879 and 8878 if the ERO's storage system satisfies the requirements of Rev. Proc. 97-22, Retention of Books and Records. In brief, Rev. Proc. 97-22 requires that the electronic storage system must ensure an accurate and complete transfer of the hard copy or computerized records to an electronic storage media. In addition, all records reproduced by the electronic storage system must exhibit a high degree of legibility and readability (including the taxpayer's signature) when displayed on a video display terminal and when reproduced in hard copy.

39. How do I know the IRS received the Self-Select PIN?

When you receive your Acknowledgement Record, all accepted returns will have the Self-Select PIN Presence Indicator. The following value will be returned:

"9" = No PIN Present. 8453 or 8453-OL Required
"1" = Practitioner PIN
"2" = Self-Select PIN by Practitioner Used
"3" = Self-Select PIN by Online Used
"4" = State Only, No PIN. 8453 or 8453-OL is Not Required.
"Blank" = Return Rejected with PIN

40. What is an ERO PIN?

The ERO PIN is the ERO electronic signature. For consistency, each ERO is encouraged to use the same 11 numbers for their PIN on all returns for this filing season. The first 6 positions of your ERO PIN must be your EFIN and it must match the DCN. You may select any 5 **digits**, except all zeros, for the next five positions. It does not take place of the taxpayer's PIN. A taxpayer PIN is also required.

.11 Self-Select PIN Method Questions and Answers continued

41. Will the ERO PIN be acknowledged as well?

If the ERO PIN is not present, the return will reject displaying an error reject code.

42. Where can I receive a copy of the Error Reject Codes for the Self-Select PIN method?

The Error Reject Codes can be found in the Publication 1345A, Filing Season Supplement for Authorized IRS *e*-file Providers and in Section 10 of this Publication.

43. Why is a Date of Birth required with Self-Select PIN method?

The Date of Birth is required as part of the authentication process for the taxpayer. It will be matched against Social Security Records. The return will not be rejected this year if the Date of Birth does not match. However, the Acknowledgement Record will contain the field Date of Birth Validity Code. It will advise you if the dates of birth submitted were valid or mismatched. The following values will be returned.

"0" = Date of Birth Validation Not Required
"1" = All Dates of Birth Valid
"2" = Primary Date of Birth Mismatch
"3" = Spouse Date of Birth Mismatch
"4" = Both Dates of Birth Mismatch

SECTION 13 – ELECTRONIC SIGNATURES SPECIFICATIONS

.12 Practitioner PIN Method Questions and Answers

1. What is the Practitioner PIN method?

The Practitioner PIN is an additional signature method for taxpayers who use an Electronic Return Originator (ERO) to sign their return by entering a five digit PIN. The PIN can be any five **digits** except ALL zeros. It eliminates the requirement for Form 8453, U.S. Individual Income Tax Declaration for an IRS *e*-file Return, in most cases. When an electronic signature is chosen, no signature documents are required to be filed with the IRS.

2. Do I need any specific forms to use the Practitioner PIN method?

Taxpayers must complete Form 8879, IRS *e*-file Signature Authorization, for returns using the Practitioner PIN method. Taxpayers can either enter their own PIN or authorize the ERO to enter their PIN for them when completing

Form 8879.

3. Who is eligible to use the Practitioner PIN method?

Taxpayers who are eligible to file Forms 1040, 1040A, or 1040EZ are eligible to use the Practitioner PIN method. There is no age restriction on who can use the Practitioner PIN.

4. Who is ineligible to use the Practitioner PIN method?

Taxpayers required to file the following forms, which must be attached to Form 8453, U.S. Individual Income Tax Declaration for an IRS e-file Returns:

- Form 1098-C, *Contributions of Motor Vehicles, Boats, and Airplanes* ***(or acceptable documentation/required donor documentation)***,
- Form 3115, *Application for Change in Accounting Method,*
- Form 3468, *Computation of Investment Credit, if historic Structure Certificate is required,*
- Form 4136, *Credit for Federal Tax Paid on Fuels,* ***if certificate and/or reseller statement is required,***
- Form 5713, *International Boycott Report,*
- Form 8283, *Noncash Charitable Contributions,* ***Section A, if statement(s) required, or Section B, Donated Property,***
- Form 8332, *Release of Claim to Exemption for Children of Divorced or Separate Parents,*
- Form 8858, *Information Return of U.S. Persons with Respect to Foreign Disregarded Entities,*
- Form 8864, *Biodiesel and Renewable Diesel Fuels Credit, if Certificate and/or reseller statement is required*
- Form 8885, *Health Coverage Tax Credit, and*
- **Schedule D-1,** ***Continuation Sheet for Schedule D (Form 1040) (or acceptable substitute), if taxpayer elects not to include their transactions on the electronic STCGL or LTCGL records.***

.12 Practitioner PIN Method Questions and Answers continued

5. How does the Practitioner PIN method benefit the ERO?

The Practitioner PIN method offers an additional taxpayer signature option for EROs to use in preparing and transmitting Forms 1040, 1040A, and 1040EZ to IRS. More specifically, it eliminates the requirement to file signature documents with the IRS.

- The Date of Birth and the prior year Adjusted Gross Income amount **or Prior Year PIN are** not needed for Practitioner PIN returns.

6. Is there an authorization form required for filing Form 4868 using the Practitioner PIN method?

Yes. Complete Form 8878, IRS e-file Signature Authorization for **Form 4868 and Form 2350**, for Form 4868 filed using the Practitioner PIN method. Remember that a signature is only required on Form 4868 when there is an Electronic Funds Withdrawal.

7. What is my responsibility as an ERO using the Practitioner PIN method?

EROs are required to sign Form 8879, Part III, with their ERO EFIN/PIN for all returns using the Practitioner PIN method. The ERO EFIN/PIN consists of eleven digits (the first six positions is the EFIN and the last five is any five numbers except ALL zeros). EROs should confirm the identity of taxpayers per Publication 1345 when completing Form 8879, prior to transmitting returns to IRS.

8. Do I mail Form 8879 or Form 8878, IRS *e*-file Signature Authorization, to the IRS?

No. Do not mail Form 8879 or Form 8878 to the IRS. EROs using the Practitioner PIN method must retain Forms 8879 and 8878 for three years from the return due date or IRS received date, whichever is later. Electronic storage is also acceptable. In addition, Form 8879 or 8878 should not be used as a transmittal to fax documents or submit payments to the IRS.

9. Will I receive an Acknowledgement that the Practitioner PIN method was used?

Yes. A PIN Presence Indicator of "1" will be present in the Acknowledgement File Key Record of a return when the Practitioner PIN method was used. Please be sure to check the Acknowledgement File for the PIN Presence Indicator on all returns transmitted using a PIN signature.

10. Will the ERO PIN be acknowledged as well?

If the ERO PIN is not present, the return will reject displaying an error reject code.

.12 Practitioner PIN Method Questions and Answers continued

11. Where can I find the Error Reject Codes for the Practitioner PIN method?

The Error Reject Codes can be found in the Publication 1345A, Filing Season Supplement for Authorized IRS *e*-file Providers and in Section 13.10 of this Publication.

12. Are all taxpayers who file electronically and sign with a PIN required to pay any balance due electronically.

No. Taxpayers who prefer to pay by check or money order should file Form 1040-V, Payment Voucher. Form 8879, IRS e-file Signature Authorization, should not be used to transmit any payments.

Intentional Blank Page