

## APPENDIX C: Report Edit Specifications

Data for each UI report, either hand entered or uploaded from an ASCII file, is put through edits before saving to state files and again, before transmission to the National Office. Results of these edits are displayed to the user and the opportunity to make corrections is given at both times. Users should review the edits and make corrections as appropriate or explain in the comments section of the report, that the data has been checked and is correct and why.

There are three different types of edits: fatal errors, errors, and warnings. These are discussed in Chapter 2, Checking for Errors. It would be prudent, if possible, to edit data in the state system before it is loaded onto the UIRR entry system, especially through ASCII upload, so that transmission goes smoothly.

The following shows the edits performed by the system for most reports for which states would prepare ASCII upload files. For each table name, the condition that should exist for certain cells is shown. Deviations from these conditions will result in edit exceptions. Refer to the data maps in Appendix A which give the cell names to understand the edits. To avoid edit errors in the entry or upload process, states may choose to apply edits at the time that their own systems create the data.

## Appendix C

### TABLE: ar191

#### Errors:

c1 through c6, c11, c12  $\geq 0$   
c9 = c1-c3-c5+c7  
c9 = Sec.B, ar191sb sum c2 for UCFE  
c9  $\neq 0$   
c10 = c2-c4-c6+c8  
c10 = Sec.B, ar191sb sum c2 for UCX  
c10  $\neq 0$   
c15 = c13-c11  
c16 = c14-c12  
c17 = c9+c15  
c17  $\neq 0$   
c18 = c10+c16  
c18  $\neq 0$

### TABLE: ar191sb

#### Errors:

c1 is defined on "g\_agency" table  
g\_agency.flag  $\neq 2$   
c1 = "111" and st="DC", "VA", "MD"  
c1 = "668" and st="DC"  
c2  $\neq$  NULL  
c2  $\neq 0$

#### Warning:

g\_agency flag  $\neq 1$

**TABLE: ar203****Errors:**

c1 must be 's' or 'p'

$c2+c3+c4 = c12+c13+c14+c15+c16+c17+c18+c19+c20$

$c2+c3+c4 = c49+c50+c51+c52+c53+c54+c55+c56+c57+c58+c59+c60+c61$   
 $+c62+c63+c64+c65+c66+c67+c68+c69$

$c2+c3+c4 = c70+c71+c72+c73+c74+c75+c76+c77+c78+c79+c80+c81+c82$   
 $+c83+c84+c85+c86+c87+c88+c89+c90+c91+c92+c93$

**Warnings:**

$c2+c3+c4 = ar539.c8+c12$  (+/-2%) within the same rptdate period, that is the ar539.rptdate containing the 19th of the same month

$c2+c3+c4 = c40+c41+c42$

$c2+c3+c4 = c43+c44+c45+c46+c47+c48$

## Appendix C

**TABLE: ar204**

**Errors:**

c1 != NULL	c18 = c21+c24
c1 > c2	c18 >= c19
c1 > c4	c19 != 0 or NULL
c1 > c5	c19 = c22+c25
c1 > c35	c20 != 0 or NULL
c2 != NULL	c21 != 0 or NULL
c2 cannot be < c1 - 2 year	c21 >= c22
c2 < c1 - 1 year	c22 != 0 or NULL
c2 must be either the first day of the month or the last of the month	c23 != 0 or NULL
c3 != NULL	c24 != 0 or NULL
c3 = "BR", "BW", "RR", or "PD"	c24 >= c25
c4 != NULL	c25 != 0 or NULL
c4 cannot be < c1 - 2 year	c26 != 0 or NULL
c5 != NULL	c26 = c29+c32
c5 cannot be < c1 - 2 year	c27 != 0 or NULL
c6 != 0	c27 = c30+c33
c6 = c9+c12	c27 >= c28
c7 != 0	c28 != 0 or NULL
c7 = c10+c13	c28 = c31+c34
c7 >= c8	c29 != 0 or NULL
c8 != 0	c30 != 0 or NULL    c30 >= c31
c8 = c11+c14	c31 != 0 or NULL
c9 != 0	c32 != NULL
c10 != 0	c33 != NULL
c10 >= c11	c33 >= c34
c11 != 0	c34 != NULL
c12 != 0	c35 != NULL
c13 != 0	c35 cannot be c1 -2 year
c13 >= c14	c36 != 0 or NULL
c14 != 0	c36 = c37+c42
c15 != 0	c36 > 0.9 * (eta2112,c51 + eta2112,c53 + eta2112,c55 + eta2112,c57 + eta2112,c59 + eta2112,c69 - eta2112,c21) for the previous 12 months ending by c2 (skip if any of the months was missing or not transmitted)
c16 != 0	c36 < 1.1 * (eta2112,c51 + eta2112,c53 + eta2112,c55 + eta2112,c57 + eta2112,c59 + eta2112,c69 - eta2112,c21) for the previous 12 months ending by c2 (skip if any of the months was missing or not transmitted)
If c3 not = "RR" then c17 through c34 are null; else check the following conditions:	
c17 != 0 or NULL	
c17 = c20+c23	
c18 != or NULL	

**TABLE: ar204 cont'd**

$c37 \neq 0$   
 $c37 = c38 + c41$   
 If State not = "AK" then  
      $c38 \neq 0$  or NULL  
 $c38 = c39 + c40$   
 If State not = "AK" then  
      $c39 \neq 0$  or NULL  
 If State not = "AK" then  
      $c40 \neq 0$  or NULL  
 $c41 \neq 0$  or NULL  
 $c42 \neq 0$  or NULL  
 $c42 = c43 + c44$   
 $c43 \neq 0$  or NULL  
 $c44 \neq \text{NULL}$

**Warnings:**

If st = TN, NH, NJ, or VT  
     then c1 = rptdate + 6 months.  
 If st not= TN, NH, NJ, or VT  
     then c1 = rptdate  
 If c3 = "RR" then c32 is usually not zero  
 If c3 = "RR" then c33 is usually not zero  
 If c3 = "RR" then c34 is usually not zero  
 $c35 = c2$   
 $c36 > 0.95 * (\text{eta}_{2112,c51} + \text{eta}_{2112,c53} + \text{eta}_{2112,c55} + \text{eta}_{2112,c57} + \text{eta}_{2112,c59} + \text{eta}_{2112,c69} - \text{eta}_{2112,c21})$  for the previous 12 months ending by c2 (skip if any of the months was missing or not transmitted)  
 $c36 < 1.05 * (\text{eta}_{2112,c51} + \text{eta}_{2112,c53} + \text{eta}_{2112,c55} + \text{eta}_{2112,c57} + \text{eta}_{2112,c59} + \text{eta}_{2112,c69} - \text{eta}_{2112,c21})$  for the previous 12 months ending by c2 (skip if any of the months was missing or not transmitted)

## Appendix C

### TABLE: ar204b

If ar204.c3 = RR, then use ar204r  
If ar204.c3 = BW or BR then use ar204b  
If ar204.c3 = PD or UR, do not use Sec C

#### Errors:

c2 is beyond  $((c7 * 100) / c5) +/- 0.2$   
If c2(except row97)>0 then c4>0 and c5>0  
If c2(except row97)=0 then c7=0  
c2 cannot be negative  
c3 (row 96) = the sum of c3 (row 1 - 95)  
c3 (row 98) = the sum of c3 (row 96 - 97)  
c3 (row 100) = the sum of c3 (row 98 - 99)  
If c4(except row97)=0  
    then c5=0 and c7=0 and c2=0  
c4(except row97)>= c5  
c4 (row 96) = the sum of c4 (row 1 - 95)  
c4 (row 98) = the sum of c4 (row 96 - 97)  
c4 (row 100) = the sum of c4 (row 98 - 99)  
If c5(except row97)=0  
    then c4=0 and c7=0 and c2 = 0  
c5 (row 96) = the sum of c5 (row 1 - 95)  
c5 (row 98) = the sum of c5 (row 96 - 97)  
c5 (row 100) = the sum of c5 (row 98 - 99)  
c6 (row 96) = the sum of c6 (row 1 - 95)  
c6 (row 98) = the sum of c6 (row 96 - 97)  
c6 (row 100) = the sum of c6 (row 98 - 99)  
c6 (row 100) > 0.00095 \* ar204.c39  
c6 (row 100) > 0.01 \* ar204. c39,  
    then c6 > 0.95 \* ar204.c39  
c6 (row 100) < 1.05 \* ar204.c39  
c6 (row 100) < 0.1 \* ar204. c39,  
    then c6 < .00105 \* ar204.c39  
If c7(except row97) = 0 then c2 = 0  
c7 (row 96) = the sum of c7 (row 1 - 95)  
c7 (row 98) = the sum of c7 (row 96 - 97)  
c7 (row 100) = the sum of c7 (row 98 - 99)

#### Warnings:

c2 is within  $((c7 * 100) / c5) +/- 0.2$   
    but not equal  $(c7 * 100) / c5$   
If c2(row97)>0 then c4>0 and c5>0  
If c2(row97)=0 then c7=0  
c4 (row 100) = the sum of c4 (row 98 - 99)  
If c4(row97)=0 then c5=0 and c7=0 and c2=0  
c4(row97)>= c5  
c4 (row 100) > 0.00095 \* ar204.c7  
c4 (row 100) < 0.00105 \* ar204.c7  
c5 (row 100) = the sum of c5 (row 98 - 99)  
If c5(row97)=0 then c4=0 and c7=0 and c2 = 0  
c5 (row 100) > 0.00095 \* ar204.c8  
c5 (row 100) < 0.00105 \* ar204.c8  
c6 (row 100) > 0.000999 \* ar204.c39  
c6 (row 100) < 0.001001 \* ar204.c39  
If c7(row97) = 0 then c2 = 0

**TABLE: ar204r**

If ar204.c3 = RR, then use ar204r

If ar204.c3 = BW or BR then use ar204b

If ar204.c3 = PD or UR, do not use Sec C

**Errors:**

c2 is beyond  $((c7 * 100) / c5) +/- 0.2$   
 If  $c2(\text{except row72}) > 0$  then  $c4 > 0$  and  $c5 > 0$   
 If  $c2(\text{except row72}) = 0$  then  $c7 = 0$   
 c2 cannot be negative  
 $c3(\text{row } 71) = \text{the sum of } c3(\text{row } 1 - 70)$   
 $c3(\text{row } 73) = \text{the sum of } c3(\text{row } 71 - 72)$   
 $c3(\text{row } 75) = \text{the sum of } c3(\text{row } 73 - 74)$   
 If  $c4(\text{except row72}) = 0$   
     then  $c5 = 0$  and  $c7 = 0$  and  $c2 = 0$   
 $c4(\text{except row72}) \geq c5$   
 $c4(\text{row } 71) = \text{the sum of } c4(\text{row } 1 - 70)$   
 $c4(\text{row } 73) = \text{the sum of } c4(\text{row } 71 - 72)$   
 $c4(\text{row } 75) = \text{the sum of } c4(\text{row } 73 - 74)$   
 If  $c5(\text{except row72}) = 0$   
     then  $c4 = 0$  and  $c7 = 0$  and  $c2 = 0$   
 $c5(\text{row } 71) = \text{the sum of } c5(\text{row } 1 - 70)$   
 $c5(\text{row } 73) = \text{the sum of } c5(\text{row } 71 - 72)$   
 $c5(\text{row } 75) = \text{the sum of } c5(\text{row } 73 - 74)$   
 $c6(\text{row } 71) = \text{the sum of } c6(\text{row } 1 - 70)$   
 $c6(\text{row } 73) = \text{the sum of } c6(\text{row } 71 - 72)$   
 $c6(\text{row } 75) = \text{the sum of } c6(\text{row } 73 - 74)$   
 $c6(\text{row } 75) > 0.00095 * \text{ar204.c36}$   
 If  $c6(\text{row } 75) > 0.01 * \text{ar204.c36}$ ,  
     then  $c6 > 0.95 * \text{ar204.c36}$   
 $c6(\text{row } 75) < 1.05 * \text{ar204.c36}$   
 If  $c6(\text{row } 75) < 0.1 * \text{ar204.c36}$ ,  
     then  $c6 > 0.00105 * \text{ar204.c36}$   
 If  $c7(\text{except row72}) = 0$  then  $c2 = 0$   
 $c7(\text{row } 71) = \text{the sum of } c7(\text{row } 1 - 70)$   
 $c7(\text{row } 73) = \text{the sum of } c7(\text{row } 71 - 72)$   
 $c7(\text{row } 75) = \text{the sum of } c7(\text{row } 73 - 74)$

**Warnings:**

c2 is within  $((c7 * 100) / c5) +/- 0.2$   
     but not equal  
 $(c7 * 100) / c5$   
 If  $c2(\text{row72}) > 0$  then  $c4 > 0$  and  $c5 > 0$   
 If  $c2(\text{row72}) = 0$  then  $c7 = 0$   
 If  $c4(\text{row72}) = 0$   
     then  $c5 = 0$  and  $c7 = 0$  and  $c2 = 0$   
 $c4(\text{row72}) \geq c5$   
 $c4(\text{row } 75) > 0.00095 * \text{ar204.c7}$   
 $c4(\text{row } 75) < 0.00105 * \text{ar204.c7}$   
 If  $c5(\text{row72}) = 0$   
     then  $c4 = 0$  and  $c7 = 0$  and  $c2 = 0$   
 $c5(\text{row } 75) = \text{the sum of } c5(\text{row } 73 - 74)$   
 $c5(\text{row } 75) > 0.00095 * \text{ar204.c8}$   
 $c5(\text{row } 75) < 0.00105 * \text{ar204.c8}$   
 $c6(\text{row } 75) > 0.000999 * \text{ar204.c39}$   
 $c6(\text{row } 75) < 0.001001 * \text{ar204.c39}$   
 If  $c7(\text{row72}) = 0$  then  $c2 = 0$

## Appendix C

### TABLE: arertx, ETA 205

#### Errors:

c1 != NULL  
c1 <= 10.00  
c1 > 0  
c2 != NULL  
c2 > 0  
c2 <= c1  
c2 <= 10.00

#### Warning:

c2/c1 >.25 and <.75  
c2 - c2 of prior year and  
c1 - c1 of prior year > or < 0  
c2/c1 remains within 10% of c7/c5 from  
ar202 (apply only NO Application).

**TABLE: ar207****Errors:**

c1 through c46 cannot be NULL  
 c1 = c2+c3  
 c2 = c17+c33  
 c4 = c5+c6  
 c7 = c8+c9  
 c8 = c21+c39  
 c10 = c11+c12  
 c17 = c18+c19+c20  
 c21 = c22+c23+c24  
 c25 = c26+c27+c28  
 c29 = c30+c31+c32  
 c33 = c34+c35+c36+c37+c38+c45  
 c39 = c40+c41+c42+c43+c44+c46

**Warnings:**

c1, c7, c13 – c19, c21, c25, c29,  
 c33 - c39, 45 exception (g\_excep)  
 c7 < c1  
 c8 < c2  
 c9 < c3  
 c13 < c1  
 c14 <= c13  
 c15 < c1  
 c16 <= c15  
 c20 < c19  
 c21 < c17  
 c22 < c18  
 c23 <= c19  
 c24 <= c20  
 c25 < c17  
 c26 < c18  
 c27 < c19  
 c28 <= c20  
 c29 <= c25  
 c30 <= c26  
 c31 <= c27  
 c32 <= c28  
 c39 < c33  
 c40 <= c34  
 c41 <= c35  
 c42 <= c36  
 c43 <= c37  
 c44 <= c38  
 c46 <= c45

<b>ar207 Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c1	35	25	5000
c7	50	25	3300
c13	70	40	45
c14	70	45	50
c15	70	45	80
c16	100	50	60
c17	30	20	1230
c18	50	35	1300
c19	50	35	2200
c21	35	20	740
c25	80	45	40
c29	100	50	25
c33	50	30	5000
c34	80	40	1400
c35	80	40	800
c36	80	40	130
c37	80	40	1200
c38	80	40	800
c39	60	30	5000
c45	80	40	200

**TABLE: ae207 / at207****Errors:**

c1 through c22 cannot be NULL  
c7 >= c10+c9+c8  
c11 >= c14+c13+c12

c15 >= c18+c17+c16  
c19 >= c22+c21+c20

**Warnings:**

c2 <= c1  
c3 < c1  
c4 <= c3  
c5 < c1  
c6 <= c5  
c11 <= c7  
c12 <= c8

c13 <= c9  
c14 <= c10  
c19 <= c15  
c20 <= c16  
c21 <= c17  
c22 <= c18

## Appendix C

**TABLE: ar218**

**Errors:**

c1 through c36 cannot be NULL  
 $c1 = c2 + c3$   
 $c9 = c10 + c11 + c12 + c13 + c14 + c15 + c23 + c24 + c25 + c26 + c27$   
 $c9 = c4$   
 $c16 = c17 + c18 + c19 + c20 + c21 + c22 + c30 + c31 + c32 + c33 + c34$

**Warnings:**

c1, c4, c9, c16 exception (g\_excep)  
 $c4 \leq c3$   
 $c5 \leq c4$   
 $c6 \leq c4$   
 $c6 \leq c5$   
 $c28 \leq c9$   
 If st != MA or WA Then c29 <= 26 weeks  
     Else c29 <= 30 weeks  
 $c35 \leq c16$   
 If st != MA or WA Then c36 <= 26 weeks  
     Else c36 <= 30 weeks

**TABLE: ae218 / at218**

**Errors:**

$c1 = c3 + c2$

<b>ar218</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c1	60	35	16000
c4	90	45	14000
c9	60	40	14000
c16	50	35	2400

**TABLE: ar227****Errors:**

c1 through c232 cannot be NULL

c27 = c5+c9+c13+c17+c23

c28 = c6+c10+c14+c18+c24

c29 = c7+c11+c15+c19+c25

c30 = c8+c12+c16+c20+c26

c31 = c27+c1

c32 = c28+c2

c33 = c29+c3+c21

c34 = c30+c4+c22

c35 = c71 prior rptdate

c36 = c72 prior rptdate

c37 = c73 prior rptdate

c38 = c74 prior rptdate

c71 = c3+c35-c206-c55+  
c59-c67-c222

c72 = c4+c36-c207-c56+  
c60-c68-c223

c73=c29+c21+c37-c208-  
c49-c57+c61-c69-c224

c74=c30+c22+c38-c209-c50-  
c58+c62-c70-c225

c75 >= c76+c78

c131 = c1+c2

c131 = c188 + c202

c132 = c3 + c4

c132 = c189 + c203

c133 = c27 + c28

c133= c190 + c204

c134 = c29 + c30

c134 = c191+c205

c159> = c160+c162

c164 >= c165

c181=c169+c171+c173+  
c175+c177+c179

c182=c170+c172+c174+  
c176+c178+c180

c31+c32=c131+c133

c33+c34-c21-c22=c132+c134

c33+c34-c21-c22=c132+c134

c181 = c71+c73

c182 = c72 +c74

c188 =c76+c160+c193+  
c165+c198+c116

c189 = c77+c161+c194+  
c166+c199+c117

c190 = c78+c162+c195+c200+c118

c191 = c79+c163+c196+c201+c119

c192 >= c193+c195

c197 >= c198+c200

c206 = c39+c43+c210+c214+c218

c207 = c40+c44+c211+c215+c219

c208 = c41+c45+c212+c216+c220

c209 = c42+c46+c213+c217+c221

**Warnings:**

c2 <= c1

c4 <= c3

c6 <= c5

c8 <= c7

c10 <= c9

c12 <= c11

c14 <= c13

c16 <= c15

c18 <= c17

c20 <= c19

c22 <= c21

c24 <= c23

c26 <= c25

c28 <= c27

c30 <= c29

c32 <= c31

c34 <= c33

c36 <= c35

c38 <= c37

c40 <= c39

c40 <= c39

c42 <= c41

c44 <= c43

c46 <= c45

c50 <= c49

c56 <= c55

c58 <= c57

c60 <= c59

c62 <= c61

c68 <= c67

c70 <= c69

c72 <= c71

c74 <= c73

c164 <= c165

c165 <= c166

c183 <= c184

c184 <= c186

c185 <= c184

c187 <= c186

c202 <= c203

c204 <= c205

c207 <= c206

c209 <= c208

c211 <= c210

c213 <= c212

c215 <= c214

c217 <= c216

c219 <= c218

c221 <= c220

c222 > 0

c223 > 0

c224 > 0

c225 > 0

### TABLE: at227

#### Errors:

c1 through c232 cannot be NULL

c35 = c71 prior rptdate

c36 = c72 prior rptdate

c37 = c73 prior rptdate

c38 = c74 prior rptdate

#### Warnings:

c2 <= c1

c4 <= c3

c28 <= c27

c30 <= c29

c36 <= c35

c38 <= c37

c50 <= c49

c56 <= c55

c58 <= c57

c60 <= c59

c62 <= c61

c68 <= c67

c70 <= c69

c71 = c3+c35-c206-c55+ c59-c67-c222

c72 = c4+c36-c207-c56+ c60-c68-c223

c72 <= c71

c73=c29+c21+c37-c208- c49-c57+c61-c69-c224

c74=c30+c22+c38-c209-c50- c58+c62-c70-c225

c74 <= c73

c207 <= c206

c209 <= c208

c222 > 0

c223 > 0

c224 > 0

c225 > 0

**TABLE: ar2112****Errors:**

c1 = c85 prior report	c47 = c51+c53+c55+c57+c59+c61+
c1 = c2+c3+c4	c63+c65+c67+c69+c71+c73+
c2 = c86 prior report	c75+c77+c81+c98+c100+c102
c3 = c87 prior report	c48 = c74+c78+c82
c4 = c88 prior report	c49 = c72+c79+c83+c89+c92+c93+c94
c5 = c6+c7+c8	c50 = c52+c54+c56+c58+c60+c62+c64+c66+
c5 = c9+c11+c13+c15+c90+c17+c21+	c68+c70+c76+c84+c99+c101+c103
c25+c27+c29+c31+c33+c35+	c51 = c52
c37+c39+c43+c104+c108+c112	c53 = c54
c6 = c10+c12+c16+c22+c28+c30+	c55 = c92+c56
c32+c40+c44+c105+c109+c113	c57 = c93+c58
c7 = c14+c91+c19+c23+c26+c34+	c59 = c94+c60
c36+c38+c41+c45+c106+c110+c114	c61 = c62
c8 = c20+c24+c42+c46+c107+c111+c115	c63 = c64
c9 = c10	c65 = c66
c11 = c12	c67 = c68
c13 = c14	c69 = c70+c89
c15 = c16	c71 = c72
c17 = c19+c20	c73 = c74
c19 = c78	c75 = c76
c20 = c79	c77 = c78+c79
c21 = c22+c23+c24	c81 = c82+c83+c84
c25 = c26	c85 = c1+c5-c47
c27 = c28	c86 = c2+c6-c48
c29 = c30	c87 = c3+c7-c49
c31 = c32	c88 = c4+c8-c50
c33 = c34	c90 = c91
c35 = c36	c95 = c96+c97
c37 = c38	c98=c99
c39 = c40+c41+c42	c100=c101
c43 = c44+c45+c46	c102=c103
c47 = c48+c49+c50	c104=c105+c106+c107
	c108=c109+c110+c111
	c112+c113+c114+c115

**TABLE: ac2112****Warnings:**

c1+c2+c3+c4+c5+c6+c7 <= ar2112.c67

**TABLE: ar538**

**Warnings:**

c3 < c4

c3 exception checks (g\_excep)

c4 exception checks (g\_excep)

c5 < c4

<b>ar538</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c3	200	50	2100
c4	200	30	4400

**TABLE: ar539****Errors:**

c1, c3 through c16, c19  $\geq 0$   
 c2 = rptdate - 7 days  
 c17, c18, c23 cannot be NULL  
 c17, c18, c20, c21  $> 0$   
 c19 = (c17 \* 100) / c18  
 c21 = (c19 \* 100) / c20  
 c22 = B then c23 = a Sunday date  
 c22 = E then c23 = a Saturday date  
 (If c22 changes from prior week then c23 should change unless c22 was blank)  
 c23  $\geq$  c23 prior week  
 (If c23 changes from prior week then c22 should change unless c23 was blank)

**Warnings:**

(c3 / prior c3 - 1) $\leq 200/100$	c13 < c8
(1 - c3 / prior c3) $\leq 50/100$	c14 $\leq$ c13
c4 < c3	c15 < c8
(c4 / prior c4 - 1) $\leq 150/100$	c16 $\leq$ c15
(1 - c4 / prior c4) $\leq 60/100$	(c17 / prior c17 - 1) $\leq 25/100$
c5 < c3	(1 - c17 / prior c17) $\leq 20/100$
(c5 / prior c5 - 1) $\leq 100/100$	c18 = c18 of previous week
(1 - c5 / prior c5) $\leq 50/100$	If NOT first week of quarter.
c6 < c3	(c18 / prior c18 - 1) $\leq 4/100$
c7 $\leq$ c6	(1 - c18 / prior c18) $\leq 4/100$
c8 > c3	c19 $\geq .2$ And $\leq 10.0$
(c8 - prior c8) $\leq 4400$	(c19 - prior c19) $\leq 0.25$
(1 - c8 / prior c8) $\leq 30/100$	(c19 / prior c19 - 1) $\leq 20/100$
c9 < c8	(1 - c19 / prior c19) $\leq 15/100$
(c9 / prior c9 - 1) $\leq 70/100$	c20 $\geq .2$ And $\leq 10.0$
(1 - c9 / prior c9) $\leq 50/100$	(c20 - prior c20) $\leq 0.25$
c10 < c8	(c20 / prior c20 - 1) $\leq 20/100$
(c10 / prior c10 - 1) $\leq 70/100$	(1 - c20 / prior c20) $\leq 15/100$
(1 - c10 / prior c10) $\leq 50/100$	(c21 - prior c21) $\leq 10$
c11 < c8	(c21 / prior c21 - 1) $\leq 20/100$
c12 $\leq$ c11	(1 - c21 / prior c21) $\leq 15/100$

<b>ar539</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c3	200	50	1100
c4	150	60	520
c5	100	50	30
c8	200	30	4400
c9	70	50	85
c10	70	50	50
c17	25	20	5500
c18	4	4	29000
c19	20	15	0.25
c20	20	15	0.25
c21	20	15	10

**TABLE: ar581****Errors:**

c1 through c69 cannot be NULL

c1 through c3, c11 through c69 cannot be negative

$c3 = c1 + c2$

c4

If rptdate = 3/31/YYYY, then  $c4 > 1/31/YYYY$

If rptdate = 6/30/YYYY, then  $c4 > 4/30/YYYY$

If rptdate = 9/30/YYYY, then  $c4 > 7/31/YYYY$

If rptdate = 12/31/YYYY, then  $c4 > 10/31/YYYY$

$c14a = c18$  prior rptdate

If rptdate  $\geq$  06/30/1990 then  $c18 = c43 + c44 + c45 + c46 + c47$

else  $c18 = c14a + c15 - c16 - c17 - c64$

$c19a = c23$  prior report period

If rptdate  $\geq$  06/30/1990 then  $c23 = c48 + c49 + c50 + c51 + c52$

else  $c23 = c19a + c20 - c21 - c22 - c65$

$c25b \geq c25a$

$c25b \geq c28a$

$c43 - c52 \geq 0$

$c53 \leq c54$

$c55 \geq c54$  prior report period

$c56 \leq c57$

$c58 \geq c57$  prior report period

$c59 - c62$

If rptdate  $\geq$  3/31/1995, then  $c59 \leq c60$  and  $c59 \leq c68$

If rptdate  $\geq$  3/31/1995, then  $c60 \leq c68$

If rptdate  $\geq$  3/31/1995, then  $c61 \leq c11$  and  $c61 \leq c62$

If rptdate  $\geq$  3/31/1995, then  $c62 \leq c11$

$c67 = c66 + c37a - c40a$

**Warnings:**

<b>ar581</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c1	2	5	8000
c3	2	5	8000
c14	110	25	355500

**TABLE: ar586**

**Errors:**

c1 through c85 cannot be NULL

c1 > 0

c2 > 0

c4 > 0

c5 > 0

c25 > 0

c26 = c84+c85+c39+c42+c45+c48+c51+c54+c57+c60+c63+c66+c69

c35 = c37+c40+c43+c46+c49+c52+c55+c58+c61+c64+c67

c36 = c38+c41+c44+c47+c50+c53+c56+c59+c62+c65+c68

c70 = c72+c74+c76+c78+c80+c82

c71 = c73+c75+c77+c79+c81+c83

**Warnings:**

5 < c5 / c4 < 354

c9 > 0

5 < c10 / c9 < 354

<b>ar586</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c1	70	40	500
c2	70	45	400
c3	300	75	70
c4	70	40	4200
c5	70	40	520000
c6	230	70	20
c7	230	70	20
c9	45	30	360
c10	100	50	42000
c25	55	35	650
c26	70	40	640

**TABLE: ar5130****Errors:**

c1 through c73 cannot be NULL

c51 = c53+c55+c57

c52 = c54+c56+c58

c59 = c61+c63+c65

c60 = c62+c64+c66

c67 <= c51

c67 = c68+c69+c70+c71+c72+c73

**Warnings:**

c2 < c1

c3 < c1

c4 < c2

c4 <= c3

c5 < c1

c6 < c5

c7 <= c1

c10 < c9

c14 < c13

c54 <= c53

c59 <= c51

c60 <= c52

c61 <= c53

c62 <= c54

c62 <= c61

c63 <= c55

c64 <= c56

c65 <= c57

c66 <= c58

<b>ar5130</b>			
<b>Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c1	35	25	250
c2	130	40	95
c9	50	30	300
c10	70	40	95
c13	35	25	300
c14	70	45	105

## Appendix C

### TABLE: ae5130 / at5130

#### Errors:

c1 through c73 cannot be null

$c51 = c53 + c55 + c57$

$c51 = c67$

$c52 = c54 + c56 + c58$

$c59 = c61 + c63 + c65$

$c60 = c62 + c64 + c66$

$c67 = c68 + c69 + c70 + c71 + c72 + c73$

$c67 = c53 + c55 + c57$

#### Warnings:

$c59 \leq c51$

$c60 \leq c52$     $c61 \leq c53$

$c62 \leq c54$

$c63 \leq c55$

$c64 \leq c56$

$c65 \leq c57$

$c66 \leq c58$

**TABLE: ar5159****Errors:**

c1 through c99 cannot be null	c45 > 0
c1 > 0	c46 > 0
c1 = c2+c3+c4	c47 > 0
c7 = c8+c9+c10	c51 > 0
c13 = c14+c15+c16	c51 = c52+c53
c21 > 0	c97 <= c4
c38 > 0	c98 <= c10
c39 > 0	c99 <= c16
c40 > 0	

**Warnings:**

c5 < c1	c30 < c24
c6 < c1	c33 < c21
c7 < c1	c34 < c22
c8 < c2	c36 < c24
c9 < c3	c39 < c38
c10 < c4	c40 < c39
c11 <= c5	c41 => c42+c43
c11 < c7	c45/c38 > 5 And < 354
	c45/c38 > g_sigprv.minben AND < g_sigprv.maxdep
c12 < c6	c46/c39 > 5 And < 354
	c46/c39 > g_sigprv.minben AND < g_sigprv.maxdep
c12 < c7	c46 < c45
c13 < c1	c47/c40 > 5 And < 354
	c47/c40 > g_sigprv.minben AND < g_sigprv.maxdep
c14 < c2	c47 < c46
c15 < c3	c48/c41 > 5 And < 354
	c48/c41 > g_sigprv.minben AND < g_sigprv.maxdep
c16 < c4	c48 >= c49+c50
c16 < c13	c49/c42 > 5 And < 354
	c49/c42 > g_sigprv.minben AND < g_sigprv.maxdep
c17 <= c5	c50/c43 > 5 And < 354
	c50/c43 > g_sigprv.minben AND < g_sigprv.maxdep
c17 < c13	c54 < c51
c18 < c6	c55 < c51
c18 < c13	c56 > 0
c27 < c21	c57 < c56
c28 < c22	c58 < c56

**Exception Edits:**

c2-c6, c8-c12, c14-c24, c27, c28, c33, c34, c38-c40, c42-c47, c49, c50, c51-c53, c54, c55, c56

<b>ar5159 Data Exception Edits</b>			
Cell	Percentage Increase	Percentage Decrease	Absolute Value
c2	70	40	75
c3	85	35	5000
c4	35	25	250
c5	70	60	600
c6	90	30	260
c8	75	50	150
c9	125	65	75
c10	125	65	75
c11	100	95	75
c12	100	60	75
c14	85	35	75
c15	125	65	75
c16	500	80	75
c17	110	50	75
c18	400	80	75
c19	50	30	1600
c20	70	45	150
c21	50	20	30000

c22	25	20	1700
c24	35	25	1700
c27	50	20	400
c28	50	20	75
c33	50	20	75
c34	50	35	75
c38	35	20	25000
c39	35	20	25000
c40	30	23	1500
c42	50	30	350
c43	35	27	350
c45	50	23	3500000
c46	50	23	3000000
c47	50	23	200000
c49	50	35	40000
c50	50	28	40000
c51	60	37	3500
c53	45	35	130
c54	75	50	150
c55	65	40	75
c56	50	30	700

**TABLE: ae5159 / at5159****Errors:**

c1 through c51 cannot be NULL	c50 >= 0
c49 <= c2	c51 <= c8
c49 >= 0	c51 >= 0
c50 <= c5	

**Warnings:**

c3 <= c1	c31 >= c33+c32
c4 <= c1	c36 <= c35
c7 <= c1	c37 <= c35
c18 <= c12	c37 >= c38+c39
c24 <= c12	c41 <= c40
c30 <= c29	c42 <= c40
c30 <= c29	c44 <= c43
c31 <= c29	c45 <= c43

**TABLE: aw5159****Errors:**

c1 through c9 cannot be NULL	c8 <= c1+c2
c1 through c9 >= 0	c9 <= c3

**Warning:**

c4 <= c3

## Appendix C

### TABLE: ar8401

#### Errors:

c1 through c4 cannot be NULL

c1  $\geq 0$

c1 cannot be duplicated for the state

c4 = 'c' or 's'

c6 = c11+c12+c13+c14 +/- 1

c7 = c15+c16+c17 +/-1

c8 = c5+c6-c7 +/-1

c9 = c18/calendar days in month +/- 1

c10 = (c9 \* 100)/c7 +/- 1

#### Warnings:

c5 = c8 previous report

**TABLE: ar8405****Errors:**

c1 through c4 cannot be NULL

c1  $\geq 0$

c1 cannot be duplicated for the state

c4 = 'c' or 's'

c8 = c12+c13+c14+c15 +/- 1

c9 = c5+c6 - c7 - c8 +/- 1

c10 = (c16/calendar days in month) +/- 1

c11 = (c10 \* 100)/c6 +/- 1

**Warnings:**

c5 = c9 previous report

## Appendix C

### TABLE: ar8413

#### Errors:

c1 through c3 cannot be NULL

c1  $\geq$  0

c1 cannot be duplicated for the state

c8 = c7+c5-c6 +/- 1

c9 = (c4/calendar days on the month) +/-1

c11 = c9-c10 +/-1

c13 = c12\*c11/100 +/-1

c14 = c11-c13 +/-1

c19 = c17\*c18 +/- 1

c22 = c20\*c21 +/- 1

c25 = c23\*c24 +/- 1

c28 = c26\*c27 +/- 1

c32 = c19+c22+c25+c28+c29+c30+c31 +/- 1

c33 = c16-c32 +/- 1

#### Warnings:

c7 = c8 previous report

c16 = (c15/1200) \* c14 +/- 1

**TABLE: ar8414****Errors:**

c1 through c3 cannot be NULL

c1  $\geq$  0

c1 cannot be duplicated for the state

c8 = c7+c5-c6 +/- 1

c9 = (c4/calendar days in the month) +/- 1

c11 = c9-c10 +/- 1

c13 = c12\*c11/100 +/- 1

c14 = c11-c13 +/- 1

c19 = c17\*c18 +/- 1

c22 = c20\*c21 +/- 1

c25 = c23\*c24 +/- 1

c28 = c26\*c27 +/- 1

c31 = c29\*c30 +/- 1

c35 = c19+c22+c25+c28+c31+c32+c33+c34 +/- 1

c36 = c16-c35 +/- 1

**Warnings:**

c7 = c8 previous report

c16 = (c15/1200) \* c14 +/- 1

### TABLE: ar902

#### Errors:

c1 through c68 cannot be NULL

500 <= c1 <= 9999

c17 <= c5

c45 <= c33

c46 <= c34

c57 <= c4

c60 <= c33

c61 <= c34

c62 <= c58

c63 <= c59

c64 <= c45

c64 <= c60

c65 <= c46

c65 <= c61

c60 = 'I' or 'F'

#### Warnings:

c22 <= c21

c23/c22 < 400

If c22 != 0 then c23 != 0

c53 <= c49

c54 <= c50

c55 <= c51

**TABLE: ar9000****Errors:**

c1 through c184 cannot be NULL

c1 through c184 >= 0

c1 = c6+c5

c7 = c11+c12

c13 = c17+c18

c19 = c23+c24

c25 = c29+c30

c31 = c35+c36

c37 = c41+c42

c43 = c47+c48

c49 = c53+c54

c49 = c1+c7+c13+c19+c25+c31+c37+c43

c50 = c2+c8+c14+c20+c26+c32+c38+c44

c51 = c3+c9+c15+c21+c27+c33+c39+c45

c52 = c4+c10+c16+c22+c28+c34+c40+c46

c53 = c5+c11+c17+c23+c29+c35+c41+c47

c54 = c6+c12+c18+c24+c30+c36+c42+c48

c55 = c59+c60

c61 = c65+c66

c67 = c71+c72

c73 = c77+c78

c79 = c83+c84

c85 = c89+c90

c91 = c95+c96

c97 = c101+c102

c103 = c107+c108

c103 = c55+c61+c67+c73+c79+c85+c91+c97

c104 = c56+c62+c68+c74+c80+c86+c92+c98

c105 = c57+c63+c69+c75+c81+c87+c93+c99

c106 = c58+c64+c70+c76+c82+c88+c94+c100

c107 = c59+c65+c71+c77+c83+c89+c95+c101

c108 = c60+c66+c72+c78+c84+c90+c96+c102

c109 = c113+c114

c115 = c119+c120

c121 = c125+c126

c127 = c131+c132

c133 = c137+c138

c139 = c143+c144

c145 = c149+c150

c145 = c109+c115+c121+c127+c133+c139

c146 = c110+c116+c122+c128+c134+c140

c147 = c111+c117+c123+c129+c135+c141

c148 = c112+c118+c124+c130+c136+c142

c149 = c113+c119+c125+c131+c137+c143

c150 = c114+c120+c126+c132+c138+c144

c163 = c49+c103+c145

c163 = c151+c153+c155+c159

c164 = c50+c104+c146

c164 = c157+c160

c165 = c51+c105+c147

c165 = c152+c154+c156+c161

c166 = c52+c106+c148

c166 = c158+c162

### **TABLE: ar9016**

#### **Errors:**

c1 through c9 cannot be NULL

#### **Warnings:**

c1 >= c2

c2 > c3

c3 > c8

c8 >= c9

**TABLE: ar9047****Errors:**

c1 through c6 cannot be NULL

$c1 + c4 > 0$

$c1 \geq c2 + c3$

$c2 + c5 > 0$

$c4 \geq c5 + c6$

**Warnings:**

$c2 < c3$

$c5 < c6$

$c2 + c3 = c1$

$c5 + c6 = c4$

## Appendix C

### TABLE: ar9048

#### Errors:

c1 through c20 cannot be NULL

c1 != 0

c2 != 0

c2 <= c1

c3 != 0

c3 <= c1

c4 <= c1

c4 <= 40% of c3

c5 != 0

c6 <= c5

c7 <= c5

c8 <= c5

c9 <= c5

c10 <= c5

c11 <= c5

c12 <= c5

c13 != 0

c13 <= 110% of c5

c14 <= c13

c15 <= c13

c16 <= c13

c17 <= c13

c18 <= c13

c19 <= c13

c20 <= c13

#### Warnings:

c1 <= ar5159.c2 + ar5159.c8 + ar5159.c14 for the same quarter (3 monthly reports),

If any one of the ar5159 reports is missing, ignore this edit

c4 <= 20% of c3

c5 <= c6+c7+c8+c9+c10+c11+c12

c13 >= 80% of c5

c13 <= c14+c15+c16+c17+c18+c19+c20

**TABLE: ar9049****Errors:**

c1 through c24 cannot be NULL  
c1 <= ar9048.c3 for same rptdate (if exists)  
c2 <= 30  
c9 <= ar9048 c3 for same rptdate (if exists)  
c10 <= ar9048 c3 for same rptdate (if exists)  
c11 <= ar9048 c3 for same rptdate (if exists)  
c12 <= ar9048 c3 for same rptdate (if exists)  
c17 <= c9  
(if exists)c17 <= ar9048 c3 for same rptdate (if exists)  
c18 <= c10  
c19 <= c11  
c20 <= c12

**Warnings:**

c13 is usually <= c4  
c14 is usually <= c4  
c15 is usually <= c4  
c16 is usually <= c4  
c21 is usually < c13  
c22 is usually < c14  
c23 is usually < c15  
c24 is usually < c16

## Appendix C

**TABLE: ar9050 / ar9050p**

**Errors:**

$c1 = c2+c3+c4$   
 $c2=c10+c18+c26+c34+c42+c50+c58+c66+c74+c82+c90$   
 $c3=c11+c19+c27+c35+c43+c51+c59+c67+c75+c83+c91$   
 $c4=c12+c20+c28+c36+c44+c52+c60+c68+c76+c84+c92$   
 $c5 = c6+c7+c8$   
 $c6=c14+c22+c30+c38+c46+c54+c62+c70+c78+c86+c94$   
 $c7=c15+c23+c31+c39+c47+c55+c63+c71+c79+c87+c95$   
 $c8 = c16+c24+c32+c40+c48+c56+c64+c72+c80+c88+c96$   
 $c9 = c10+c11+c12$   
 $c13 = c14+c15+c16$   
 $c17 = c18+c19+c20$   
 $c21 = c22+c23+c24$   
 $c25 = c26+c27+c28$   
 $c29 = c30+c31+c32$   
 $c33 = c34+c35+c36$   
 $c37 = c38+c39+c40$   
 $c41 = c42+c43+c44$   
 $c45 = c46+c47+c48$   
 $c49 = c50+c51+c52$   
 $c53 = c54+c55+c56$   
 $c57 = c58+c59+c60$   
 $c61 = c62+c63+c64$   
 $c65 = c66+c67+c68$   
 $c69 = c70+c71+c72$   
 $c73 = c74+c75+c76$   
 $c77 = c78+c79+c80$   
 $c81 = c82+c83+c84$   
 $c85 = c86+c87+c88$   
 $c89 = c90+c91+c92$   
 $c93 = c94+c95+c96$

**TABLE: aw9050**

**Errors:**

$c1 = \text{sum } c2 \text{ through } c12$

**TABLE: ar9051 / ar9051p****Errors:**

$c1 = c2+c3+c4$   
 $c2=c10+c18+c26+c34+c42+c50+c58+c66+c74+c82+c90$   
 $c3=c11+c19+c27+c35+c43+c51+c59+c67+c75+c83+c91$   
 $c4=c12+c20+c28+c36+c44+c52+c60+c68+c76+c84+c92$   
 $c5 = c6+c7+c8$   
 $c6=c14+c22+c30+c38+c46+c54+c62+c70+c78+c86+c94$   
 $c7=c15+c23+c31+c39+c47+c55+c63+c71+c79+c87+c95$   
 $c8=c16+c24+c32+c40+c48+c56+c64+c72+c80+c88+c96$   
 $c9 = c10+c11+c12$   
 $c13 = c14+c15+c16$   
 $c17 = c18+c19+c20$   
 $c21 = c22+c23+c24$   
 $c25 = c26+c27+c28$   
 $c29 = c30+c31+c32$   
 $c33 = c34+c35+c36$   
 $c37 = c38+c39+c40$   
 $c41 = c42+c43+c44$   
 $c45 = c46+c47+c48$   
 $c49 = c50+c51+c52$   
 $c53 = c54+c55+c56$   
 $c57 = c58+c59+c60$   
 $c61 = c62+c63+c64$   
 $c65 = c66+c67+c68$   
 $c69 = c70+c71+c72$   
 $c73 = c74+c75+c76$   
 $c77 = c78+c79+c80$   
 $c81 = c82+c83+c84$   
 $c85 = c86+c87+c88$   
 $c89 = c90+c91+c92$   
 $c93 = c94+c95+c96$

**TABLE: aw9051****Errors:**

$c1 = \text{sum } c2 \text{ through } c12$

## Appendix C

**TABLE: ar9052**

**Errors:**

$c1 = c2+c3+c4$	$c77 = c78+c79+c80$	$c129 = c130+c131+c132$
$c2 = c10+c18+c26+ c34+$ $c42+c50+c58+c66+$ $c74+c82+c90$	$c81 = c82+c83+c84$	$c133 = c134+c135+c136$
$c3 = c11+c19+c27+c35+$ $c43+c51+c59+c67+$ $c75+c83+c91$	$c85 = c86+c87+c88$	$c137 = c138+c139+c140$
$c4 = c12+c20+c28+c36+$ $c44+c52+c60+c68+$ $c76+c84+c92$	$c89 = c90+c91+c92$	$c141 = c142+c143+c144$
$c5 = c6+c7+c8$	$c93 = c94+c95+c96$	$c145 = c146+c147+c148$
$c6 = c14+c22+c30+c38+$ $c46+c54+c62+c70+$ $c78+c86+c94$	$c97 = c98+c99+c100$	$c149 = c150+c151+c152$
$c7 = c15+c23+c31+c39+$ $c47+c55+c63+c71+$ $c79+c87+c95$	$c98 = c106+c114+c122+$ $c130+c138+c146+$ $c154+c162+c170+$ $c178+c186$	$c153 = c154+c155+c156$
$c8 = c16+c24+c32+c40+$ $c48+c56+c64+c72+$ $c80+c88+c96$	$c99 = c107+c115+c123+$ $c131+c139+c147+$ $c155+c163+c171+$ $c179+c187$	$c157 = c158+c159+c160$
$c9 = c10+c11+c12$	$c100 = c108+c116+c124+$ $c132+c140+c148+$ $c156+c164+c172+$ $c180+c188$	$c161 = c162+c163+c164$
$c13 = c14+c15+c16$	$c101 = c102+c103+c104$	$c165 = c166+c167+c168$
$c17 = c18+c19+c20$	$c102 = c110+c118+c126+$ $c134+c142+c150+$ $c158+c166+c174+$ $c182+c190$	$c169 = c170+c171+c172$
$c21 = c22+c23+24$	$c103 = c111+c119+c127+$ $c135+c143+c151+$ $c159+c167+c175+$ $c183+c191$	$c173 = c174+c175+c176$
$c25 = c26+c27+28$	$c104 = c112+c120+c128+$ $c136+c144+c152+$ $c160+c168+c176+$ $c184+c192$	$c177 = c178+c179+c180$
$c29 = c30+c31+c32$	$c105 = c106+c107+c108$	$c181 = c182+c183+c184$
$c33 = c34+c35+c36$	$c109 = c110+c111+c112$	$c185 = c186+c187+c188$
$c37 = c38+c39+c40$	$c113 = c114+c115+c116$	$c189 = c190+c191+c192$
$c41 = c42+c43+c44$	$c117 = c118+c119+c120$	$c193 = c194+c195$
$c45 = c46+c47+c48$	$c121 = c122+c123+c124$	$c194 = c197+c200+c203+$ $c206+c209+c212+$ $c215+c218+c221+$ $c224+c227$
$c49 = c50+c51+c52$	$c125 = c126+c127+c128$	$c195 = c198+c201+c204+$ $c207+c210+c213+$ $c216+c219+c222+$ $c225+c228$
$c53 = c54+c55+c56$		$c196 = c197+c198$
$c57 = c58+c59+c60$		$c199 = c200+c201$
$c61 = c62+c63+c64$		$c202 = c203+c204$
$c65 = c66+c67+c68$		$c205 = c206+c207$
$c69 = c70+c71+c72$		$c208 = c209+c210$
$c73 = c74+c75+c76$		$c211 = c212+c213$
		$c214 = c215+c216$
		$c217 = c218+c219$
		$c220 = c221+c222$
		$c223 = c224+c225$
		$c226 = c227+c228$

**TABLE: ar9053****Errors:**

$c1 = c2+c3+c4$	$c77 = c78+c79+c80$	$c129 = c130+c131+c132$
$c2 = c10+c18+c26+c34+$ $c42+c50+c58+c66+$ $c74+c82+c90$	$c81 = c82+c83+c84$	$c133 = c134+c135+c136$
$c3 = c11+c19+c27+c35+$ $c43+c51+c59+c67+$ $c75+c83+c91$	$c85 = c86+c87+c88$	$c137 = c138+c139+c140$
$c4 = c12+c20+c28+c36+$ $c44+c52+c60+c68+$ $c76+c84+c92$	$c89 = c90+c91+c92$	$c141 = c142+c143+c144$
$c5 = c6+c7+c8$	$c93 = c94+c95+c96$	$c145 = c146+c147+c148$
$c6 = c14+c22+c30+c38+$ $c46+c54+c62+c70+$ $c78+c86+c94$	$c97 = c98+c99+c100$	$c149 = c150+c151+c152$
$c7 = c15+c23+c31+c39+$ $c47+c55+c63+c71+$ $c79+c87+c95$	$c98 = c106+c114+c122+$ $c130+c138+c146+$ $c154+c162+c170+$ $c178+c186$	$c153 = c154+c155+c156$
$c8 = c16+c24+c32+c40+$ $c48+c56+c64+c72+$ $c80+c88+c96$	$c99 = c107+c115+c123+$ $c131+c139+c147+$ $c155+c163+c171+$ $c179+c187$	$c157 = c158+c159+c160$
$c9 = c10+c11+c12$	$c100 = c108+c116+c124+$ $c132+c140+c148+$ $c156+c164+c172+$ $c180+c188$	$c161 = c162+c163+c164$
$c13 = c14+c15+c16$	$c101 = c102+c103+c104$	$c165 = c166+c167+c168$
$c17 = c18+c19+c20$	$c102 = c110+c118+c126+$ $c134+c142+c150+$ $c158+c166+c174+$ $c182+c190$	$c169 = c170+c171+c172$
$c21 = c22+c23+c24$	$c103 = c111+c119+c127+$ $c135+c143+c151+$ $c159+c167+c175+$ $c183+c191$	$c173 = c174+c175+c176$
$c25 = c26+c27+c28$	$c104 = c112+c120+c128+$ $c136+c144+c152+$ $c160+c168+c176+$ $c184+c192$	$c177 = c178+c179+c180$
$c29 = c30+c31+c32$	$c105 = c106+c107+c108$	$c181 = c182+c183+c184$
$c33 = c34+c35+c36$	$c109 = c110+c111+c112$	$c185 = c186+c187+c188$
$c37 = c38+c39+c40$	$c113 = c114+c115+c116$	$c189 = c190+c191+c192$
$c41 = c42+c43+c44$	$c117 = c118+c119+c120$	$c193 = c194+c195$
$c45 = c46+c47+c48$	$c121 = c122+c123+c124$	$c194 = c197+c200+c203+$ $c206+c209+c212+$ $c215+c218+c221+$ $c224+c227$
$c49 = c50+c51+c52$	$c125 = c126+c127+c128$	$c195 = c198+c201+c204+$ $c207+c210+c213+$ $c216+c219+c222+$ $c225+c228$
$c53 = c54+c55+c56$		$c196 = c197+c198$
$c57 = c58+c59+c60$		$c199 = c200+c201$
$c61 = c62+c63+c64$		$c202 = c203+c204$
$c65 = c66+c67+c68$		$c205 = c206+c207$
$c69 = c70+c71+c72$		$c208 = c209+c210$
$c73 = c74+c75+c76$		$c211 = c212+c213$
		$c214 = c215+c216$
		$c217 = c218+c219$
		$c220 = c221+c222$
		$c223 = c224+c225$
		$c226 = c227+c228$

## Appendix C

### TABLE: ar9054h

#### Errors:

$$c1 = c2 + c3$$

$$c2 = c5+c8+c11+c14+c17+c20+c23+c26+c29+c32+c35+c38+c41+c44$$

$$c3 = c6+c9+c12+c15+c18+c21+c24+c27+c30+c33+c36+c39+c42+c45$$

$$c4 = c5 + c6$$

$$c7 = c8 + c9$$

$$c10 = c11 + c12$$

$$c13 = c14 + c15$$

$$c16 = c17 + c18$$

$$c19 = c20 + c21$$

$$c22 = c23 + c24$$

$$c25 = c26 + c27$$

$$c28 = c29 + c30$$

$$c31 = c32 + c33$$

$$c34 = c35 + c36$$

$$c37 = c38 + c39$$

$$c40 = c41 + c42$$

$$c43 = c44 + c45$$

### TABLE: ar9054l

#### Errors:

$$c1 = c2 + c3$$

$$c2 = c5+c8+c11+c14+c17+c20+c23$$

$$c3 = c6+c9+c12+c15+c18+c21+c24$$

$$c4 = c5 + c6$$

$$c7 = c8 + c9$$

$$c10 = c11 + c12$$

$$c13 = c14 + c15$$

$$c16 = c17 + c18$$

$$c19 = c20 + c21$$

$$c22 = c23 + c24$$

**TABLE: ar9055h****Errors:**

$$c1 = c2+c3+c4+c5+c6+c7$$

$$c8 > 1.0$$

$$c9 > 1.0$$

**Warnings:**

$$c8 < 200.0$$

$$c8 < c8 \text{ in previous month's report } * 125\%$$

$$c8 > c8 \text{ in previous month's report } * 75\%$$

$$c9 < 200.0$$

$$c9 < c9 \text{ in previous month's report } * 125\%$$

$$c9 > c9 \text{ in previous month's report } * 75\%$$

**TABLE: ar9055l****Errors:**

$$c1 = c2+c3+c4+c5+c6+c7$$

$$c9 > 1.0$$

$$c10 > 1.0$$

**Warnings:**

$$c9 < 200.0$$

$$c9 < c9 \text{ in previous month's report } * 125\%$$

$$c9 > c9 \text{ in previous month's report } * 75\%$$

$$c10 < 200.0$$

$$c10 < c10 \text{ in previous month's report } * 125\%$$

$$c10 > c10 \text{ in previous month's report } * 75\%$$

## Appendix C

### TABLE: ar9056

#### Errors:

c1: must be numeric (fatal error)  
c2: = Values: 10, 20, 30, 31, 40, 50, 60, 70, 73, 80, 81, 82, 83, 84, 85, 86, 90, 99  
c3: if c26 = 'N', then c3 is null; else c3 = 'Y' or 'N'  
c4: if c3 = 'N', then c4 values: 00, 01, 10, 20, 30, 31, 40, 50, 60, 70, 73, 80, 81, 82, 83, 84, 85, 86, 90, 99 and c4 != c2  
c4: if c3 = 'Y' or c26 = 'N', then c4 must be null  
c5: if c26 = 'N', then c5 is null; else c5 = 'Y' or 'N'  
c6: if c26 = 'N', then c6 is null; else c6 = 'A' or 'D'  
c7: if c26 = 'N', then c7 is null; else c7 = 'Y' or 'N'  
c8: if c26 = 'N', then c8 is null  
c10 > 01/01/1990  
c10: if state = 'NY', then day = Sunday; else day = Saturday  
c11: if c26 = 'N', then c11 is null; else c11 = 'Y' or 'N'  
c12 > 01/01/1990  
c12: if c11 = 'N', then c12 != c10  
c12: if c11 = 'Y' or c26 = 'N', then c12 is null  
c13 <= c24  
c13: if c26 = 'N', then c13 is null  
c14: if c26 = 'N', then c14 is null; else c14 = 'Y' or 'N'  
c15 > 01/01/1990  
c15: if c14 = 'N', then c15 <= c24 and c15 != c13  
c15: if c14 = 'Y' or c26 = 'N', then c15 is null  
c16 = 'A', 'I', 'N', 'X'  
c16: if c26 = 'N', then c16 is null  
c17 = 'A', 'I', 'N', or 'X'  
c17: if c26 = 'N', then c17 is null  
c18 = 'A', 'I', 'N', or 'X'  
c18: if c26 = 'N', then c18 is null  
c20: if c21 = 'W', then c20 = 'Q' or 'W'; else c20 = 'M', 'Q', or 'W'  
c20: if c26 = 'N', then c20 is null  
c21: if c20 = 'M', then c21 = 'A' or 'I'; else c21 = 'A', 'I', or 'W'  
c21: if c26 = 'N', then c21 is null  
c24 must be within sample quarter  
c26 = 'Y' or 'N'  
c27 >= 0  
c27 != 85 and != 90  
c28: if c26 = 'N', then c28 is null; else c28 = 'UI', 'UCFE', or 'UCX'  
c29: if c26 = 'N', then c29 is null; else c29 = 'Y' or 'N'  
c30: if c26 = 'N' or c29 = 'Y', then c30 is null

#### Warning:

c12 must be less than rptdate + 7

**TABLE: ar9057**

Errors:

c1:  $c1 > 0$  (fatal error)  
 c2 = 'A' or 'D'  
 c3 = 'A', 'R', or 'M'  
 c4 = 'G', 'F', 'U', or 'D'  
 c5 = 'G', 'F', or 'U'  
 c6 = 'G', 'F', 'U', or 'D'  
 c7 = 'G', 'F', 'U', or 'D'  
 c8 = 'G', 'F', or 'U'  
 c9 = 'G', 'F', 'U', or 'D'  
 c10 = 'G', 'F', or 'U'  
 c11 = 'G', 'F', or 'U'  
 c12 = 'G', 'F', 'U', or 'D'  
 c13 = 'G', 'F', or 'U'  
 c14 = 'G', 'F', 'U', or 'D'  
 c15 = 'G', 'F', or 'U'  
 c16 = 'G', 'F', or 'U'  
 c17 = 'G', 'F', 'U', or 'D'  
 c18 = 'G', 'F', 'U', or 'D'  
 c19 = 'G', 'F', 'U', or 'D'  
 c20 = 'G', 'F', 'U', or 'D'  
 c21 = 'G', 'F', or 'U'  
 c22 = 'G' or 'U'  
 c23 = 'G', 'F', or 'U'  
 c24 = 'G', 'F', or 'U'  
 c25 = 'G' or 'U'  
 c26 = 'G', 'F', or 'U'  
 c27 = 'G' or 'U'  
 c28 = 'G' or 'U'  
 c29 = 'G', 'F', or 'U'  
 c30 = 'G' or 'U'  
 c31 = 'G', 'F', or 'U'  
 c32 = 'G', 'F', or 'U'  
 c33 = 'G', 'F', or 'U'  
 c34 = 'G', 'F', or 'U'  
 c35 => report period start  
 c35 <= rptdate  
 c36 => c35  
 c36 < today  
 c37 = "OK", "TI", "TM", "DM", "IM", or "MM"  
 c38 > 0  
 c39 must not be null

### TABLE: ar9128

#### Errors:

c1 through c24 != NULL  
c1 through c3 > 0  
c2 >= c1  
c4 <= c3  
c5 <= c4  
c6 <= c4  
c7 <= c3  
c8 <= c7  
c9 <= c7  
c10 <= c7  
c11 <= c7  
c12 <= c7  
c13 <= c7  
If c13 > 0 then c14 > 0  
c15 <= c2  
c16 <= c15  
c17 <= c15  
c18 <= c15  
c19 <= c15  
If c19 > 0 then c20 > 0  
c21 <= c15  
c22 <= c15

#### Warning:

c3 != c2

**TABLE: ar9129****Errors:**

c1 through c16 != NULL  
c1 through c3, c5, c9 through c11, c13 > 0  
c2 > c1  
c4 <= c1  
c5 <= c1  
c6 <= c1  
c7 <= 27  
c10 > c9  
c13 <= c9  
c14 <= c9  
c15 <= 27

### **TABLE: arui1**

Errors:

$c_{11}$  through  $c_{20} > 0$

$c_{11} = c_{12} + c_{13} + c_{14} + c_{15}$

$c_{16} = c_{17} + c_{18} + c_{19} + c_{20}$

**TABLE: arui3****Errors:**

rptdate: if mlflag = 2 for 09/30/YY+1, then cannot update 12/31/YY, 03/31/YY+1, 06/30/YY+1  
 rptdate: cannot update 09/30/YY+1 after 6 months past the due date of the 09/30/YY+1  
 c1 through c18, c20, c24, c26, c29, c31 through c36, c39 through c42, c44, c49 through c52, c55, c62, c65, c71 cannot be null  
 c1 through c6, c9 through c12, c14 through c18 < 10,000  
 c7, c8, c13 < 1,000  
 c20 = 'Y' or 'N'  
 c23, c25, c28, c30, c76: arMPU for the fiscal year exists (fatal error)  
 $c24 = at5159.(c1+c2+c3+c4+c5+c6+c7+c8+c9+c46+c47+c48)$   
 $c26 = at5159.(c12+c15+c18+c21+c24+c27)$   
 $c29 = at207.(c1+c3+c5)$   
 $c31 = at5130.(c1+c2+c3+c4+c5+c6)$   
 c44 = ar9016.c1  
 c49, c50, c51: arui1 for the fiscal year exists (fatal error)  
 $c52 = at5159.(c2+c3+c6+c8+c9+c12+c14+c15+c18+c97+c98+c99) +$   
 $ae5159.(c1+c3+c4+c6+c7+c9+c46+c47+c48+c49+c50+c51) + aw5159.(c1+c2)$   
 $c55 = ar5159.(c21+c24+c27+c30+c33+c36) + ae5159.(c12+c15+c18+c21+c24+c27) +$   
 aw5159.c3  
 $c62 = ar207.(c1+c13+c15) + ae207.(c1+c3+c5)$   
 c76: arui1 for the fiscal year exists (fatal error)  
 $c82 = ar5159.(c4+c10+c16-c97-c98-c99) + ae5159.(c2+c5+c8-c8-c49-c50-c51)$

**Warning:**

c44: ar9016 for the quarter exists  
 c44: ar9016 has been submitted to National Office  
 c49, c50, c51, c76: arui1 has been submitted to National Office  
 c52: all ar5159 for the quarter exists  
 c52: all the ar5159, ae5159, aw5159 for the quarter have been submitted to National Office  
 c55: all ar5159 for the quarter exists  
 c55: all the ar5159 for the quarter have been submitted to National Office or  
 all the ae5159 or aw5159 for the quarter have been submitted to National Office if exists  
 c62: ar207 for the quarter exists  
 c62: ar207, ae207 has been submitted to National Office if exists  
 c65: ar5130 for the quarter exists  
 c65: ar5130, ae5130 has been submitted to National Office if exists  
 c82: ar5159 for the quarter exists  
 c82: ar5159 has been submitted to National Office

### TABLE: abui3

#### Errors:

c2 = armpu.ic

c4 = armpu.wc

c6 = armpu.nm

c8 = armpu.ap

c15 = c28+c29+c14

c18 = arui1.c17 (Qtr 1)

c18 = arui1.c18 (Qtr 2)

c18 = arui1.c19 (Qtr 3)

c18 = arui1.c20 (Qtr 4)

c19 = arui1.c17 (Qtr 1)

c19 = arui1.(c17+c18) (Qtr2)

c19 = arui1.(c17+c18+c19) (Qtr4)

c19 = arui1.(c17+c18+c19) (Qtr4)