ARMIS/EAFS

Edit Check Utility (2005.1)

* * * *Edit Check Specifications for 2004 Data* * * *

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March 18, 2005

2004 – ARMIS Report 43-01 Row & Column Validations

BASIC VALIDATION

TABLE I: COST AND REVENUE

Column Checks:

1. Row 1090 = Rows 1020 + 1010 + 1030 + 1040 + 1045 – 1060

2. Row 1190 = Rows 1120 + 1130 + 1140 + 1150 + 1160 + 1170 + 1180+ 1185

3. Row 1390 = Rows 1370 - 1320 – 1330 - 1365

4. Row 1490 = Rows 1410 + 1420 (For Class A Level Reporting Only)

5. Row 1690 = Rows 1620 + 1630 + 1640 + 1650 +1660 + 1670 + 1680

6. Row 1790 = Rows 1705 + 1710 + 1720 + 1730 + 1740 + 1750 + 1760 + 1770 + 1780

7. Row 1890 = Rows 1820 + 1830 + 1840 + 1850 + 1865 + 1882 + 1883 + 1885

8. Row 1910 = Rows 1690 + 1790 – 1890 (excluded columns: b through d)

9. Row 1915 = Rows 1090 - 1190 + 1290 - 1390 - 1490 - 1590 *(For Class A Level Reporting Only), excluded columns*: b through g, u, v

10. Row 1915 = Rows 1090 - 1190 + 1290 - 1390 - 1595 (*For Class B Level Reporting Only), excluded columns*: b through g, u, v

11. Row 1920 = Rows 1915 / 1910 x 100 (ignore if 0 (zero) in any column), *excluded columns:* b through g, u, v *(Note: Price Cap companies are excluded from this validation for columns: b through g, m through v.)*

Row Checks:

There are three columns that can be checked by horizontally summing the other columns. Any cell that is populated by an "N/A" is treated as a zero (0).

1. Column (h) = m + r + s + u + v *excluded rows*: 1045, 1320, 1590, 1595, 1705, 1882, 1883, 1910, 1915, 1920, 1950 1960, 1970 *(exclude CWTC)*

2. Column (f) = g + h
   adjusted validation: 1190f = 1190g + 1190h - 1185h
   1390f = 1390g + 1390h - 1370h
   1790f = 1790g + 1790h - 1770h - 1780h
   1890f = 1890g + 1890h - 1885h

   excluded rows: 1045, 1185, 1370, 1530, 1550, 1590, 1595, 1770, 1780, 1882, 1885, 1910, 1915, 1920, 1950, 1960, 1970

3. Column (b) = c + d + f *excluded rows:* 1185, 1370, 1530, 1550, 1590, 1595, 1770, 1780, 1885, 1910, 1920, 1950, 1960, 1970

2004 – ARMIS Report 43-01 Row & Column Validations

TABLE II: DEMAND ANALYSIS

1. Row 2150 = Rows 2090 + 2100 + 2110 + 2120 + 2140

TABLE III: POLE AND CONDUIT RENTAL CALCULATION INFORMATION

1. Row 501 = Rows 501.1 + 501.2
2. Row 502 = Rows 502.1 + 502.2
3. Row 700 must be a 0 or 1, if 1, requires a footnote.

2004 – ARMIS Report 43-02 Row & Column Validations

BASIC VALIDATION

TABLE B-1, BALANCE SHEET ACCOUNTS

Row Check

1. af = ab + ac - ad + ae (All Rows)

2. (ac) and (ad): (All Rows) should be >= to 0 (greater than or equal to zero)

Column Check

1. Column b:

   Row 120 = Rows 1170 – 1171 + 1220
   Row 130 = Rows 1120 + 120 + 1280 + 1350
   Row 150 = Rows 1406 + 1410 + 1438 + 1500
   Row 340 = Rows 3100 through 3410
   Row 350 = Rows 210(column af) - 340(column b)
   Row 360 = Rows 130 + 150 + 350
   Row 410 = Rows 4000 through 4130
   Row 430 = Rows 4300 through 4370
   Row 440 = Rows 4510 through 4550
   Row 450 = Rows 410 + 4200 + 430 + 440
   Row 450 = Rows 360
   Row 490 = Rows 460 + 465 + 480 - 470 - 475
   Row 490 = Rows 4550

2. Columns ab through af:

   Row 210 = Rows 2001 through 2007
   Row 240 = Row s 2110 + 2210 + 2220 + 2230 + 2310 + 2410
   Row 260 = Row s 240 + 2680 + 2690
   Row 260 = Row 2001
   Row 2110 = Rows 2111 through 2114 + 2121 through 2124
   Row 2210 = Rows 2211 + 2212
   Row 2230 = Rows 2231 + 2232
   Row 2310 = Rows 2311 + 2321 + 2341 + 2351 + 2362
   Row 2410 = Rows 2411 through 2441
   Row 2680 = Rows 2681 + 2682
   Row 2212 = Rows 2212.1 + 2212.2
   Row 2232 = Rows 2232.1 + 2232.2
   Row 2690 = Rows 2690.1 + 2690.2

2004 – ARMIS Report 43-02 Row & Column Validations

TABLE B-2, STATEMENT OF CASH FLOWS

Column Check

1. Column b or c (where applicable):

   Row 220 = Rows 110 through 210
   Row 230 = Rows 100 + 220
   Row 290 = Rows 240 through 280
   Row 400 = Rows 300 through 390
   Row 420 = Rows 230 + 290 + 400 + 410
   Row 440 = Rows 420 + 430

TABLE B-3, INVESTMENTS IN AFFILIATES AND OTHER COMPANIES

Row Check

1. h = c + d + e + f + g
2. l = i + j - k
3. p = m + n - o
4. q = h + l + p

Column Check

1. Columns c through q:

   Row 130 = Rows 101 through 129
   Row 230 = Rows 201 through 229
   Row 240 = Rows 130 + 230
   Row 260 = Rows 240 + 250

TABLE B-4, ASSETS PURCHASED FROM OR SOLD TO AFFILIATES

Row Check

1. g = c + d + e + ee + f

Column Check

1. Columns c through g:

   Row 140 = Rows 101 through 139
   Row 240 = Rows 201 through 239

2. Columns c through g:

   Row 140 = Rows 101 through 139
   Row 240 = Rows 201 through 239

2004 – ARMIS Report 43-02 Row & Column Validations

TABLE B-5, ANALYSIS OF ENTRIES IN ACCUMULATED DEPRECIATION

Row Check

1. j = (b + c + d + e) - (f + g + h + i)
2. d, f, g, and h: (All Rows) should be >= to 0 (greater than or equal to zero)

Column Check

1. Row 210 = Rows 100 through 200
2. Row 270 = Rows 220 through 237
3. Row 320 = Rows 290 through 307
4. Row 380 = Rows 330 through 370
5. Row 480 = Rows 390 through 470
6. Row 490 = Rows 210 + 270 + 280 + 320 + 380 + 480

TABLE B-6, SUMMARY OF INVESTMENT AND ACCUMULATED DEPRECIATION BY JURISDICTION

Row Check

1. g = b + c -(d + e) + f
2. m = h + i + j - k + l
3. o = m \ g * 100
4. b, g, h, m, n and o > 0 (must be greater than zero)
5. c, d, e, i, j, and k => 0 (greater than or equal to zero)

TABLE B-10, ACCOUNTS PAYABLE TO AFFILIATES

Row Check

1. f = c + e – d

Column Check

1. Row 160 = Rows 101 through 150

TABLE I-1, INCOME STATEMENT ACCOUNTS

Column Check

1. Column b:
   Row 522 = Rows 5081 through 5083
   Row 527 = Rows 5230 + 526
   Row 530 = Rows 520 + 522 + 5100 + 527 + 5280 - 5300
   Row 530 > 0
   Row 650 = Rows 6110 + 6120 + 6210 + 6220 + 6230 + 6310 + 6410
   Row 690 = Rows 6510 + 6530 + 6540 + 6560

Row 700 = Rows 6610 + 6620
Row 710 = Rows 6720 + 6790
Row 720 = Rows 650 + 690 + 700 + 710
Row 730 = Rows 530 - 720
Row 790 = Rows 730 + 7100 - 7200 + 7300 - 7400 - 7500 + 7600 + 7910 + 7990
Row 520 = Rows 5001+ 5040 + 5060
Row 6110 = Rows 615 + 625 + 635
Row 6120 = Rows 6121 + 6122 + 6123 + 6124
Row 6212 = Rows 6212.1 + 6212.2
Row 6210 = Rows 6211 + 6212
Row 6232 = Rows 6232.1 + 6232.2
Row 6230 = Rows 6231 + 6232
Row 6310 = Rows 6311 + 6341 + 6351 + 6362
Row 6410 = Rows 6411 + 6421 + 6422 + 6423 + 6424 + 6426 + 6431 + 6441
Row 6510 = Rows 665 + 6511
Row 6530 = Rows 6531 + 6532 + 6533 + 675 + 685
Row 6560 = Rows 6561 +6562 + 6563 + 6564 + 6565
Row 6610 = Rows 6611 + 6613
Row 6620 = Rows 6621 + 6622 + 6623
Row 7200 = Rows 7220 + 7230 + 7240 + 7250 - 7210

TABLE I-2, SERVICES PURCHASED FROM OR SOLD TO AFFILIATES

Row Check

1. f = c + cc + d + dd + e

Column Check

1. Row 140 = Rows 101 through 139
2. Row 240 = Rows 201 through 239

TABLE I-6, SPECIAL CHARGES

Column Check

1. Row 219 = Rows 210 through 218
2. Row 239 = Rows 230 through 238
3. Row 260 = Rows 200 + 219 + 220 + 239 + 240 + 250
4. Row 270 = Rows 100 + 260

TABLE I-7, DONATIONS OR PAYMENTS

Column Check

1. Row 599 = Rows 201 through 598
2. Row 699 = Rows 601 through 698
3. Row 799 = Rows 701 through 798
4. Row 899 = Rows 801 through 898
5. Row 1299 = Rows 901 through 1298

6. Row 1399 = Rows 1301 through 1398
7. Row 1499 = Rows 1401 through 1498
8. Row 1599 = Rows 1501 through 1598
9. Row 1699 = Rows 1601 through 1698
10. Row 1799 = Rows 1701 through 1798

EQUAL CHECKS

TABLE B-2, STATEMENT OF CASH FLOWS

1. Column b:
   Row 110 = Row 6560(col. b, Table I-1)
   Row 120 = Row 5300(col. b, Table I-1)

2. Column c:
   Row 100 = Rows 465(col b, Table B-1), 790(col b, Table I-1)
   Row 440 = Row 1120(col b, Table B-1)

TABLE B-5, ANALYSIS OF ENTRIES IN ACCUMULATED DEPRECIATION

1. Column b:
   Row 490 = Row 910(col. h, Table B-6)

2. Column c:
   Row 490 = Row 910(col. i, Table B-6)

3. Column d:
   Row 490 = Row 910(col. j, Table B-6)

4. Column h:
   Row 490 = Row 910(col. k, Table B-6)

5. Column j:
   Row 490 = Row 3100(col. b, Table B-1)

6. Row 490 (col. e - f - g - i) = Row 910(col. L, Table B-6)

TABLE B-6, SUMMARY OF INVESTMENT AND ACCUMULATED DEPRECIATION BY JURISDICTION

1. Column b:
   Row 910 = Row 240(col ab, Table B-1)

2. Column c:
   Row 910 = Row 240(col. ac, Table B-1)

3. Column d plus e:
   Row 910 = Row 240(col. ad, Table B-1)

4. Column f:
   Row 910 = Row 240(col. ae, Table B-1)

5. Column g:
   Row 910 = Row 240(col af, Table B-1)

6. Column m:
   Row 910 = Row 3100(col b, Table B-1)
   Row 910 = Row 0490(col j, Table B-5)

7. Row or rows that are listed in this table must equal column (b) as follows:

110 = AL
120 = AK
130 = AZ
140 = AR
150 = CA
160 = CO
170 = CT
180 = DE
190 = DC
200 = FL
210 = GA
220 = HI
230 = ID
240 = IL
250 = IN
260 = IA
270 = KS
280 = KY
290 = LA
300 = ME
310 = MD
320 = MA
330 = MI
340 = MN
350 = MS
360 = MO
370 = MT
380 = NE
390 = NV
400 = NH
410 = NJ
420 = NM
430 = NY
440 = NC
450 = ND
460 = OH
470 = OK
480 = OR
490 = PA
500 = RI
510 = SC
520 = SD
530 = TN
540 =TX
550 = UT
560 = VT
570 = VA
580 = WA
590 = WV
600 = WI
610 = WY
710 = PR
720 = VI
730 = MC
810 = OC
900 = NS
910 = TO

2004 – ARMIS Report 43-02 Row & Column Validations

TABLE I-1, INCOME STATEMENT

1. Column b:
   Row 830 > 0
   Row 840 > 0
   Row 860 > 0

2004 – ARMIS Report 43-03 Row & Column Validations

ROW CHECKS

NOTE: Rows 230 and 370 are excluded from all column checks. All other rows are included.

1. Column (b) = i + j
2. Column (i) = c + e + g
3. Column (j) = d + f + h
4. Column (m) = i – k

COLUMN CHECKS

1. Row 520 = Rows 5001 + 5040 + 5060, *excludes columns*: d, e, f, g, h, j, k, m
2. Row 527 = 5230 + 526, *excludes columns*: d, e, f, g, h, j, k, m
3. Row 530 = Rows 520 + 522 + 5100 + 527 + 5280 – 5300
4. Row 6110 = Rows 6112 through 6114, *excludes columns*: k, m
5. Row 6120 = Rows 6121 through 6124, *excludes columns*: k, m
6. Row 6210 = Rows 6211 + 6212, *excludes columns*: k, m
7. Row 6230 = Rows 6231 + 6232, *excludes columns*: k, m
8. Row 6310 = Rows 6311 through 6362, *excludes columns*: k, m
9. Row 6410 = Rows 6411 through 6441, *excludes columns*: k, m
10. Row 6510 = Rows 6511 + 6512, *excludes columns*: k, m
11. Row 6530 = Rows 6531 through 6535, *excludes columns*: k, m
12. Row 6560 = Rows 6561 through 6565, *excludes columns*: k, m
13. Row 6610 = Rows 6611 through 6613, *excludes columns*: k, m
14. Row 6620 = Rows 6621 through 6623, *excludes columns*: k, m
15. Row 720 = Rows 6110 + 6120 + 6210 + 6220 + 6230 + 6310 + 6410 + 6510 + 6530 + 6540 +6560 + 6610 + 6620 + 6720 + 6790
16. Row 7200 = Rows 7220 through 7250 – 7210, *excludes columns*: k, m
17. Row 750 = Rows 720 + 7200 + 7500 - 7100 - 7300 - 7600 - 7910 – 7990, *excludes columns:* k, m
18. Row 2110 = Rows 2111 through 2124, *excludes columns*: k, m
19. Row 2210 = Rows 2211 + 2212
20. Row 2230 = Rows 2231 + 2232

2004 – ARMIS Report 43-03 Row & Column Validations

21. Row 2310 = Rows 2311 through 2362, *excludes columns*: k, m
22. Row 2410 = Rows 2411 through 2441, *excludes columns*: k, m
23. Row 2680 = Rows 2681 + 2682, *excludes columns*: k, m
24. Row 2001 = Rows 2110 + 2210 + 2220 + 2230 + 2310 + 2410 + 2680 +2690
25. Row 370 = Rows 2001 + 2002 + 2003 + 2005 + 1220 + 1410 + 1438 + 1500 + 230
26. Row 495 = Rows 3100 + 3200 + 3410 + 4100 + 4340 + 4040 + 4300 + 4370
27. Row 522 = Rows 5081 + 5082 + 5083, excludes columns: d, e, f, g, h, j

2004 – ARMIS Report 43-04 Row & Column Validations

COLUMN CHECKS

1. Row 1001 = Rows 5080 + 6010 + 7320 – 5013, *exclude columns:* i through r (if Row 1001 = 0, do not apply validation)

2. Row 1170 = Rows 1112 + 1129 + 1154 + 1168, *exclude columns:* i, o, q

3. Row 1204 = Rows 1201 + 1202, *exclude columns*: j **,** l, n, r

4. Row 1224 = Rows 1220 + 1222, *exclude columns*: l, n, o, r

5. Row 1234 = Rows 1230 + 1231 + 1232

6. Row 1254 = Rows 1250 + 1252

7. Row 1260 = Rows 1234 + 1240 + 1254, *exclude columns*: j, l, n, r, o

8. Row 1277 = Rows 1274 + 1275

9. Row 1290 = Rows 1277 + 1280, *exclude columns*: i, o,

10. Row 1300 = Rows 1224 + 1260 + 1290

11. Row 1324 = Rows 1320 + 1322

12. Row 1342 = Rows 1336 + 1338,

13. Row 1370 = Rows 1342 +1350, *exclude columns*: j, l, n, r, o

14. Row 1380 = Rows 1310 + 1324 + 1370

15. Row 1394 = Row 1392, *exclude columns*: i, j, l, n, r, o

16. Row 1400 = Rows 1300 + 1380 + 1394

17. Row 1410 = Rows 1170 + 1204 +1212 + 1400

18. Row 1428 = Rows 1420 + 1425, *exclude column*: d

19. Row 1428 = Row 1420, column d only

20. Row 1440 = Rows 1428 + 1430

21. Row 1460 = Rows 1454 + 1455, *exclude columns*: i, o

22. Row 1474 = Rows 1470 + 1471 + 1472

23. Row 1484 = Rows 1480 + 1481

24. Row 1485 = Rows 1474 + 1484, *exclude columns*: j, l, n, r, o

25. Row 1510 = Rows 1496 + 1497 + 1498, *exclude columns*: j, l, n, r, o

26. Row 1524 = Row 1522, *exclude columns*: i, l, n, r, o

27. Row 1530 = Rows 1460 + 1485 + 1510 + 1524
28. Row 1540 = Rows 30 + 1000 + 1410 + 1440 + 1530
29. Row 2020 = Rows 2001 + 2003 + 2013, *exclude column*: d
30. Row 2020 = Rows 2001 + 2003, column d only
31. Row 2140 = Rows 2070 + 2130, *exclude column*: d
32. Row 2140 = Rows 2070, column d only
33. Row 2150 = Rows 2020 + 2140
34. Row 2203 = Rows 2190 + 2191 + 2193
35. Row 2240 = Rows 2150 + 2160 + 2203 + 2210 + 2224 + 2230, *exclude columns*: b
36. Row 2260 = Rows 1540 + 2240 + 2250, *exclude column*: b
37. Row 3080 = Rows 40 + 3010 + 3020 + 3030 + 3040 + 3050 + 3060 + 3070
38. Row 3150 = Rows 3090 + 3100 *(ignore if rows 3090, 3100 = 0)*
39. Row 3340 = Rows 44 + 3280 + 3290 + 3300 + 3310 + 3320 + 3330 + 3332
40. Row 3410 = Rows 46 + 3350 + 3360 + 3370 + 3380 + 3390 + 3400 + 3402
41. Row 3430 = Rows 3000 + 3080 + 3150 + 3340 + 3410 + 3420 + 3421 + 3422 + 3423
42. Row 4005 = Rows 4000 + 4001 + 4002 + 4004, *exclude columns*: i through r
43. Row 4014 = Rows 4010 + 4011 + 4012, *exclude columns*: i, j, l, n, o, r
44. Row 4024 = Rows 4020 + 4022 + 4023, *exclude columns*: i, j, l, n, o, r
45. Row 4033 = Rows 4030 + 4031 + 4032, *exclude columns*: i, j, l, n, o, q, r
46. Row 4050 = Rows 4005 + 4014 + 4024 + 4033 – 4040
47. Row 4066 = Rows 4060 + 4061 + 4062 + 4064, *exclude column*: d
48. Row 4066 = Rows 4060 + 4061 + 4062, column d only
49. Row 4076 = Rows 4070 + 4072
50. Row 4120 = Rows 4050 + 4100
51. Row 5013 = Rows 5000 + 5010
52. Row 5060 = 5042 + 5050
53. Row 5080 = Rows 5000 + 5010 + 5026 + 5060 + 5076
54. Row 6090 = Rows 6020 + 6030 + 6040 + 6050 + 6060 + 6070 + 6080

55. Row 6160 = Rows 6100 + 6110 (ignore if Rows 6100, 6110 = 0)
56. Row 6240 = Rows 6160 + 6230
57. Row 6254 = Rows 6250 + 6252
58. Row 6260 = Rows 6090 + 6240 + 6254
59. Row 6270 = Rows 6000 + 6010 + 6012 + 6260
60. Row 7000 = Rows 6998 + 6999
61. Row 7076 = Rows 7070 + 7073 + 7075, *exclude column*: n
62. Row 7310 = Rows 7220 + 7290 + 7300
63. Row 7320 = Rows 7000 + 7060 + 7076
64. Row 7334 = Rows 7330 + 7331
65. Row 7351 = Rows 84 + 5080 + 6270 + 7320 + 7334 + 7350, *exclude columns*: b
66. Row 8005 = Rows 8002 + 8003, column d only
67. Row 8007 = Rows 8000 + 8002 + 8003 + 8005, *exclude column*: d
68. Row 8007 = Rows 8000 + 8002 + 8003, column d only
69. Row 8030 = Rows 8007 + 8020
70. Row 8040 = Rows 2260 – 3430, exclude columns: b, c
71. Row 8042 = (8041 / 8040) * 100, exclude columns q & r for non Price Cap Carriers (ignore if 8040 = 0), exclude columns: i , j, l, n, o, q and r for Price Cap Carriers only
72. Row 2194 = Rows 1540 + 2150 + 2160
73. Row 1003 = Rows 30 + 1410 + 1440 + 1530, exclude columns: b, c
74. Row 2131 = Rows 30 + 1000 + 1410 + 1440 + 1530, exclude columns: b, c

EQUAL CHECKS

Rows and columns listed below should have matching numbers in rows and columns listed respectively.

1. Row 1310, column d = Row 1310, column r
2. Row 1430, column b = Row 1430, column c

2004 – ARMIS Report 43-04 Row & Column Validations

ROW CHECKS

b = c + d

Exclude Rows = 1003, 1425, 1426, 2013, 2130, 2131, 2230, 2240, 2250, 2260, 3421, 3430, 4064, 7002, 7052, 7350 and 7351, 8005 8014, 8018, 8020, 8021, 8030, 8040, 8041, & 8042

d = i + n + o + q + r

Exclude Rows = 83, 1001, 1201, 1202, 1216, 1220, 1222, 1223, 1230 through 1254, 1274 through 1280, 1320, 1322, 1323, 1336 through 1350, 1392, 1393, 1420, 1430, 1454, 1455, 1470 through 1484, 1496, 1497, 1498, 1522, 2070, 2161, 3000, 3420, 4000, 4001, 4002, 4004, 4010, 4011, 4012, 4020, 4022, 4023, 4030, 4031, 4032, 4060, 4061, 4062, 4100, 5050, 6998, 6999, 7001, 7070, 7073, 7074, 7075, 7330, 8002, 8003, 8011, 8041, & 8042

ALLOCATION FACTORS

1. If Row 1001, col. b = 0 then Row 1000, 7731, col. b must = 0
2. If Row 1203, col. b = 0 then Row 1202, col. b must = 0
3. If Row 1216, col. b = 0 then Row 1212, col. b must = 0
4. If Row 1223, col. b = 0 then Row 1222, 1252, 4002, 4020 col. b must = 0
5. If Row 1233, col. b = 0 then Row 1232, 1472 col. b must = 0
6. If Row 1276, col. b = 0 then Row 1275, 1420, 1455, 5042, col. b must = 0
7. If Row 1323, col. b = 0 then Row 1322, 1498 col. b must = 0
8. If Row 1339, col. b = 0 then Row 1338, col. b must = 0
9. If Row 1393, col. b = 0 then Row 1392, 1522 col. b must = 0
10. If Row 1000, col. b = 0 then Row 2001, 2070, 3010, 3090,3280, 3350, 5000, 5010, 6020, 6100, 6230 col. b must = 0
11. If Row 3021, col. b = 0 then Row 2003, 3020, 3100, 3290, 3360, 6030, 6110 col. b must = 0
12. If Row 3031, col. b = 0 then Row 3030, col. b must = 0
13. If Row 1400, col. b = 0 then Row 3040, 3310, 3380, 6050 col. b must = 0
14. If Row 1440, col. b = 0 then Row 3050, 3320, 3390, 5060, col. b must = 0
15. If Row 1530, col. b = 0 then Row 2224, 3060, 3330, 3400, 5076, 6070 col. b must = 0
16. If Row 2190, col. b = 0 then Row 3070, 6080 col. b must = 0
17. If Row 2194, col. b = 0 then Row 2190, 2191, 2193, 2210, 4062, 6000, 6010, 6252, 8003, 8015, col. b must = 0
18. If Row 1170, col. b = 0 then Row 3030, 3300, 3370, 6040 col. b must = 0
19. If Row 2191, col. b = 0 then Row 4070, col. b must = 0
20. If Row 7334, col. b = 0 then Row 4072, col. b must = 0
21. If Row 2020, col. b = 0 then Row 4080, col. b must = 0
22. If Row 2161, col. b = 0 then Row 2160, 6250, col. b must = 0
23. If Row 7074, col. b = 0 then Row 7073, col. b must = 0
24. If Row 7301, col. b = 0 then Row 7300, col. b must = 0
25. If Row 8001, col. b = 0 then Row 8000, col. b must = 0
26. If Row 8011, col. b = 0 then Row 8010, col. b must = 0
27. If Row 8021, col. b = 0 then Row 8020, col. b must = 0
28. If Row 1540, col. b = 0 then Row 3332, 3402, 3422, 3423, col. b must = 0
29. If Row 1410 col. b = 0 then Row 5026, col. b must = 0
30. If Row 7001, col. b = 0 then Row 6999, col. b must = 0
31. If Row 7052, col. b = 0 then Row 7060, col. b must = 0
32. If Row 1426, col. c = 0 then Row 1425, 5042, col. c must = 0
33. If Row 1540, col. c = 0 then Row 2013, col. c must = 0
34. If Row 2131, col. c = 0 then Row 2130, 2160, 2210, 2224, 2230, 2250, 3421, 3422, 3423, 4064, 4072, 5000, 6230, 6250, 7000, 8005, 8011, 8015, col. c must = 0

35. If Row 1003, col. c = 0 then Row 1000, 5010, 6000, 6010, col. c must = 0

2004 – ARMIS Report 43-05 Row & Column Validations

COLUMN CHECKS

TABLE II: LOCAL SERVICE INSTALLATION AND REPAIR INTERVALS

Exclude Rows 0132, 0134, 0145, 0147, 0149 and 0151

1. Column (af) = Column (ad) + Column (ae)
2. Column (ai) = Column (ag) + Column (ah)
3. Column (aj) = Column (af) + Column (ai)

TABLE IV: TOTAL SWITCH DOWNTIME

1. Column (as) = 100 * Column (ar) / Column (aq) (Round to 2 decimal places.)

TABLE V: SERVICE QUALITY COMPLAINTS

1. Column (da) = Column (db) + Column (dc)

ROW CHECKS

TABLE I: INTEREXCHANGE ACCESS INSTALLATION AND REPAIR INTERVALS

1. Row 0112 must not be less than zero and must not be greater than 100
2. If Row 0110 is zero, then Row 0114 must be zero
3. If Row 0110 is greater than zero, then Row 0114 must be greater than zero
4. If Row 0120 is zero, then Row 0121 must be zero
5. If Row 0120 is greater than zero, then Row 0121 must be greater than zero

TABLE II: LOCAL SERVICE INSTALLATION AND REPAIR INTERVALS

1. If Row 0130 is zero, then Row 0134 must be zero
2. If Row 0130 is greater than zero, then Row 0134 must be greater than zero
3. Row 0132 must not be less than zero and must not be greater than 100
4. Row 0141 = Row 0144 + Row 0146
5. Row 0142 = Row 0148 + Row 0150
6. If Row 0144 is zero, then Row 0145 must be zero
7. If Row 0144 is greater than zero, then Row 0145 must be greater than zero
8. If Row 0146 is zero, then Row 0147 must be zero
9. If Row 0146 is greater than zero, then Row 0147 must be greater than zero
10. If Row 0148 is zero, then Row 0149 must be zero
11. If Row 0148 is greater than zero, then Row 0149 must be greater than zero
12. If Row 0150 is zero, then Row 0151 must be zero
13. If Row 0150 is greater than zero, then Row 0151 must be greater than zero

* Also see Table V for more rules

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TABLE III: COMMON TRUNK BLOCKAGE

1. Row 0181 must be equal to or less than Row 0180.

TABLE IV: TOTAL SWITCH DOWNTIME

Exclude Column (as)

1. Row 0200 + Row 0201 = the sum of Rows 0210 through 0214

TABLE V: SERVICE QUALITY COMPLAINTS

1. Row 0320 Columns (da), (db), (dc) = Table II, Row 0140, Columns (ai), (ag), (ah), respectively
2. Row 0330 Columns (da), (db), (dc) = Table II, Row 0140, Columns (af), (ad), (ae), respectively

FORMAT CHECKS

TABLE IV.A: OCCURENCES OF TWO MINUTES OR MORE DURATION DOWNTIME

1. This table is not to be filed by COSAs: ALTC, AMTR, BNTR, BSTR, CBTC, CNTC, CTTC, GTTC, ITTC, PTTR, QWTR, RTTC, SWTR, UTTC and VATC. However, Row 0215 is required on the ASCII File.
2. Column (t) = two digit numeric field with values from 01 through 15
3. Column (u) = must be 11 characters long and the 10th character must be either upper case alpha or numeric
4. Column (w) = valid entries “Y” or “N” (upper case)
5. Column (y) = date format: mmddyyyy
6. Column (z) = four digit numeric field with 24-hour clock values from 0000 (12 midnight) through 2359 (one minute before 12 midnight)
7. Row 0215 is required on the ASCII File for COSAs.

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COLUMN CHECKS

TABLE I: SWITCHING EQUIPMENT

1. Column (a) = Column (b) + Column (c)

2. The follows rows are excluded from the column check: 0110, 0112, 0150, 0170, 0230, 0250, 0290

3. All other rows are included.

ROW CHECKS

TABLE I: SWITCHING EQUIPMENT

1. Row 0110 = Row 0150 + Row 0170
2. Row 0120 = Row 0160 + Row 0180
3. Row 0110 >= Row 0230

TABLE II: TRANSMISSION FACILITIES

1. Row 0320 = Row 0321 + Row 0322 + Row 0323
2. Row 0370 = Row 0380 + Row 0390 + Row 0410
3. Row 0380 = Row 0381 + Row 0382 + Row 0383
4. Row 0420 = Row 0430 + Row 0440 + Row 0460
5. Row 0430 = Row 0431 + Row 0432 + Row 0433

FORMAT CHECK

TABLE II: TRANSMISSION FACILITIES

The following rows are now whole numbers: Row 0320, 0321, 0322, and 0323.

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COLUMN CALCULATIONS

(all rows)

TABLE I.A OUTSIDE PLANT STATISTICS - CABLE & WIRE

Unless otherwise noted, equations describe conditions for passing the edit check.

1. Column (p) = Columns (d) + (f) + (h) + (n) (tolerance: ± 2)
2. Column (q) = Columns (e) + (g) + (i) + (o) (tolerance: ± 2)
3. Column (r) > Column (s) OR [Column (q) = 0 AND Column (r) > 0] (fail condition)
4. Column (s) < Column (q) OR [Column (q) = 0 AND Column (s) > 0] (fail condition)
5. Column (t) < Column (p) OR [Column (p) = 0 AND Column (t) > 0] (fail condition)
6. Column (w) = 0 AND Column (x) > 0 (fail condition)
7. Column (x) < Column (w) (fail condition)

TABLE II SWITCHED ACCESS LINES IN SERVICE BY TECHNOLOGY

1. Column (cj) = Columns (cc) + (cd) + (ce) + (ci)
2. Column (cm) = Columns (ck) + (cl)

TABLE III ACCESS LINES IN SERVICE BY CUSTOMER

1. Column (fi) = Columns (fc) + (fd) + (fe) + (ff) + (fg) + (fh)
2. Column (fl) = Columns (fi) + (fj) + (fk)

TABLE IV TELEPHONE CALLS

1. Column (ee) = 0 AND Column (eh) > 0 (fail condition)
2. Column (ef) = 0 AND Column (ei) > 0 (fail condition)
3. Column (eg) = Columns (ee) + (ef)
4. Column (eh) = 0 AND Column (ee) > 0 (fail condition)
5. Column (ei) = 0 AND Column (ef) > 0 (fail condition)
6. Column (ej) = Columns (eh) + (ei)

ROW CALCULATIONS

(all columns)

1. Row 0910 = the sum of Rows 0110 through 0810

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ENHANCED EDIT CHECK VALIDATIONS

1. In Table II, Column (cc) must be greater than zero (0).
2. In Table II, if the company is a local exchange carrier, Column (cm) must be greater than zero (0).
3. For all rows: Column (cj) in Table II = Column (fi) in Table III.

In the following table, letters in parentheses refer to column titles.

Table	Pass Condition	Fail Condition
I.A	(r) < > 0 OR (q) < = 0	(r) = 0 AND (q) > 0
I.B	(bd) > = (bc)	(bd) < (bc)
I.B	(bf) + (bg) > = (bd)	(bf) + (bg) < (bd)
I.B	(bh) + (bi) < > 0*	(bh) + (bi) = 0 *
I.B	(bk) > = (bf)	(bk) < (bf)
I.B	(bl) > = (bg)	(bl) < (bg)
I.B	(bk) + (bl) < > 0 *	(bk) + (bl) = 0 *
II	(cm) < > 0 *	(cm) = 0 *
IV	(ec) < > 0 *	(ec) = 0 *
IV	(ed) < > 0 *	(ed) = 0 *
IV	(ee) < > 0 OR (eh) < > 0*	(ee) = 0 AND (eh) = 0 *
IV	(ef) < > 0 OR (ei) < > 0 *	(ef) = 0 AND (ee) = 0 *

***** Row 0810 (Ocean Cable) is excluded from these validations.

2004 – FCC 495 A & B Row & Column Validations

495A – BASIC VALIDATIONS

TABLE I: FORECAST USAGE SCHEDULE

1. Column h = g/e

TABLE II: FORECASTED INVESTMENT ALLOCATION SCHEDULE

1. Column e = c * d

TABLE III: FORECASTED INVESTMENT SUMMARY SCHEDULE

1. Column e = c – d

495B – BASIC VALIDATIONS

TABLE IV: ACTUAL APPORTIONMENT OF INVESTMENT DOLLAR SCHEDULE

1. Column e = c – d
2. Column f = d/c
3. Column g = e/c

TABLE V: ACTUAL USAGE OF INVESTMENT UNIT SCHEDULE

1. Column g = e/d
2. Column h = f/d

TABLE VI: ACTUAL INVESTMENT SUMMARY SCHEDULE

1. Column e = c – d

FORMAT CHECKS

1. Check that all record types are being reported. There should be at least one data record per record type.