

CRSP/COMPUSTAT MERGED DATABASE RELEASE NOTES

JANUARY 2009 MONTHLY UPDATE

ABOUT THE JANUARY 2009 CRSP/COMPUSTAT MERGED DATABASE

This shipment includes two versions of the CRSP\CompuStat Merged Database:

- **CPZ200901** – the legacy CST format database
- **CMZ200901** – the new CCM format database using CompuStat's Xpressfeed delivery.

DATABASE DIFFERENCES BETWEEN CCM & CST

The following table summarizes general differences between the old CST legacy and new CCM databases.

| Attribute | CCM Format Database (new) | CST Format Database |
|---------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Source | CompuStat Xpressfeed | CompuStat Legacy |
| Volume Label | CMZyyyyymm | CPZyyyyymm |
| Size | 6.2 Gb | 2.4 Gb |
| Delivery Media | DVD | CD |
| CRSPAccess version | 3.1 and higher – ts_print ccm_print | 2.95, 2.97 – ts_print cst_print 3.1 and higher – ts_print_cst cst_print |
| CRSPSift Version (Windows only) | 2.1 and higher – Standard, Professional, Enterprise versions | 1.2, 2.0, 2.1 versions |
| SASECRSP Engine | Available in 2009 | yes |
| C | Yes – CA3.1 and higher | yes |
| Fortran-95 | Available 2009 | yes |
| Number of Data Items | Over 4000 quarterly & annual data items | ~ 1000 quarterly & annual data items |

PROGRAMMERS

- C-programming is supported with all CRSPAccess versions. New C sample programs are included in CRSPAccess 3.1 for use with the Xpressfeed data.
- Fortran programs are not currently supported in CRSPAccess 3.1. Subscribers using Fortran to access CompuStat data should continue to use your current version of CRSPAccess along with the legacy CST formatted database. FORTRAN programming support will be available in a future release of CRSPAccess.
- SASECRSP users should also continue to use your current version of CRSPAccess along with the legacy CST formatted database. SASECRSP engine support for Xpressfeed data will be available in a future release of CRSPAccess.

PARAMETERS

| Legacy CPZ 200901 | |
|---------------------------|--------|
| Number of CRSP Securities | 24004 |
| Number of GVKEYS | 33804 |
| Number of Links | 63262 |
| Database Size | 2.4 GB |

| NEW CMZ 200901 | |
|----------------------------------------|---------|
| Total CompuStat Records | 37692 |
| Total GVKEY Companies | 35494 |
| Total GVKEYX Indexes | 2198 |
| Total GVKEY/IID Securities | 41775 |
| Total CRSP Securities Linked | 24221 |
| Total GVKEYs in Link | 34657 |
| Total Link Records | 76483 |
| Total Link Records with a Link to CRSP | 28616 |
| Database Size | 6.31 GB |



CENTER FOR RESEARCH IN SECURITY PRICES

A Research Center at Chicago Booth

CALENDARS

The CCM database utilizes the CRSP stock calendars to align properly with CRSP data. Data in the CRSP daily Stock (and Indices) file use daily and annual calendars.

Data in the monthly files use monthly, quarterly and annual calendars.

| Calendar | Date Range | Date Index Range |
|------------------------------|-------------------|------------------|
| Daily trading calendar | 19251231-20090109 | 1-22031 |
| Monthly trading calendar | 19251231-20121231 | 1-1057 |
| Annual trading calendar | 19251231-20091231 | 1-85 |
| Quarterly trading calendar | 19251231-20091231 | 1-337 |
| Semi-Annual trading calendar | 19251231-20091231 | 1-169 |
| Weekly trading calendar | 19260102-20090109 | 1-4332 |

NEW ITEM/KEYSET COMBINATIONS

The following items in the CCM database are not new to the January data cut, but the Keyset combinations are now populated so available in this cut for the first time.

| ITEM MNEMONIC | ITEM NAME | NEW KEYSET, TAG, DESCRIPTION |
|---------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| AOCIDERGLQ_DC | Accumulated Other Comp Inc – Derivatives Unrealized Gain/Loss – Data Code - Qtrly | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCIDERGLQ_DC | Accumulated Other Comp Inc – Derivatives Unrealized Gain/Loss – Data Code - Qtrly | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| AOCIDERGL_DC | Accumulated Other Comp Inc – Derivatives Unrealized Gain/Loss – Data Code - Annual | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCIDERGL_DC | Accumulated Other Comp Inc – Derivatives Unrealized Gain/Loss – Data Code - Annual | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| AOCIPENQ_DC | Accumulated Other Comp Inc – Min Pension Liab Adj – Data Code - Qtrly | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCIPENQ_DC | Accumulated Other Comp Inc – Min Pension Liab Adj – Data Code - Qtrly | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| AOCIPEN_DC | Accumulated Other Comp Inc – Min Pension Liab Adj – Data Code - Annual | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCIPEN_DC | Accumulated Other Comp Inc – Min Pension Liab Adj – Data Code - Annual | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| AOCISECGLQ_DC | Accumulated Other Comp Inc –Unreal G/L Ret Inv in Sec Assets – Data Code - Qtrly | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCISECGLQ_DC | Accumulated Other Comp Inc –Unreal G/L Ret Inv in Sec Assets – Data Code - Qtrly | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| AOCISECGL_DC | Accumulated Other Comp Inc –Unreal G/L Ret Inv in Sec Assets – Data Code - Annual | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| AOCISECGL_DC | Accumulated Other Comp Inc –Unreal G/L Ret Inv in Sec Assets – Data Code - Annual | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| FFPSS_DC | Federal Funds Purchased and Securities Sold Under Agreements to Repurchase – Data Code | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| RECTAQ_DC | Accumulated Other Comp Inc –Cumulative Translation Adjustments – Data Code - Qtrly | 5, PFO, Industrial Format, Pro Forma Reporting, Standard Presentation |
| RECTAQ_DC | Accumulated Other Comp Inc –Cumulative Translation Adjustments – Data Code - Qtrly | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |

| | | |
|-----------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| RECTA_DC | Accumulated Other Comp Inc –Cumulative Translation Adjustments – Data Code - Annual | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| TCOR_FN | Total Current Operating Revenue – Annual - Footnote | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| TFVCEQ_DC | Total Fair Value Changes including Earnings – Data Code - Qtrly | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| TFVCEY_DC | Total Fair Value Changes including Earnings – Data Code – Year-to-Date | 46, BPFO, Bank Format, Pro Forma Reporting, Standard Presentation |
| TRANSA_DC | Cumulative Translation Adjustment Data Code | 15, FSFO, Financial Services Format, Pro Format Reporting, Standard Presentation |

CHANGES TO LINK HISTORY OUTPUT

The link history extracted from the new CCM database differs from that extracted using the Legacy CST format database. The old history, using `cst_print` and the command `/I` returned the format:

```
LINKDT      LINKENDDT    PERMNO  PERMCO  LINKTYPE  LINKFLAG
19500101    99999999    12490   20990   LC        BBB
```

The new link history extracted, using `/li` in the `ccm_print` for the command-line utilities, and `CCMQuery` in `CRSPSift`, returns the following output:

Link History

```
-----
LINKDT      LINKENDDT  LPERMNO  LPERMCO  LIID  LINKTYPE  LINKPRIM
19500101    19620130  12490    20990    00X   LC        C
19620131    99999999  12490    20990    01    LC        P
```

Linkflag is not included in the link history. Two additional fields are now included:

- LIID - Security-level identifier
- LINKPRIM - Primary link marker
 - ♦ C - Marked as primary by CRSP, not marked by Compustat
 - ♦ P - Marked as primarily by Compustat

Generally speaking, for backward compatibility, if the linktype begins with the letter “L”, the linkflag would have been equal to “BBB”. If the linktype begins with the letter “N”, the linkflag would have been equal to “XXX”.

The linkflag was simply used to help determine which iterations of the database the link represented (annual, quarterly and monthly).

LINK EDITS

Link edits are provided for the new CCM database as well as the legacy CST database. Because no security level edits exist in the legacy CST database, its link edits are a subset of the edits for the CCM database. Edits for the CST database begin on page 10.

JANUARY 2009 CCM LINK HISTORY

ALLIED WASTE INDUSTRIES INC (GVKEY 22140)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19900101 | 19910909 | 0 | 0 | 00X | NU | C |
| 19910910 | 99999999 | 76887 | 11108 | 02 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19900101 | 19910909 | 0 | 0 | 00X | NR | C |
| 19910910 | 20081205 | 76887 | 11108 | 02 | LC | P |

ALPHARMA INC -CL A (GVKEY 1034)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19830101 | 19840214 | 0 | 0 | 00X | NU | C |
| 19840215 | 99999999 | 65832 | 20007 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19830101 | 19840214 | 0 | 0 | 00X | NR | C |
| 19840215 | 20081229 | 65832 | 20007 | 01 | LC | P |

ASCENT MEDIA CORP (GVKEY 180821)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 20080926 | 99999999 | 92777 | 53080 | 01 | LC | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 20030101 | 20080925 | 0 | 0 | 00X | NR | C |
| 20080926 | 99999999 | 92777 | 53080 | 01 | LC | P |
| 20081231 | 99999999 | 0 | 0 | 02 | NR | C |

BARR PHARMACEUTICALS INC (GVKEY 13365)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19850701 | 19870611 | 0 | 0 | 00X | NU | C |
| 19870612 | 99999999 | 11415 | 9252 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19850701 | 19870611 | 0 | 0 | 00X | NR | C |
| 19870612 | 20081222 | 11415 | 9252 | 01 | LC | P |

BELL INDUSTRIES INC (GVKEY 2138)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19600701 | 19650128 | 0 | 0 | 00X | NU | C |
| 19650129 | 99999999 | 29639 | 20289 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19600701 | 19621230 | 0 | 0 | 00X | NR | C |
| 19620702 | 19650128 | 29639 | 20289 | 00X | LC | C |
| 19650129 | 20080423 | 29639 | 20289 | 01 | LC | P |
| 20080424 | 99999999 | 0 | 0 | 01 | NR | P |

BRINKS INC (GVKEY 2399)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19700101 | 19700226 | 0 | 0 | 00X | NU | C |
| 19700227 | 19781115 | 19343 | 658 | 01 | LU | P |
| 19781116 | 19790928 | 0 | 0 | 01 | NU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19700101 | 19700226 | 0 | 0 | 00X | NR | C |
| 19700227 | 19721213 | 0 | 0 | 01 | NR | P |
| 19721214 | 19781115 | 19343 | 658 | 01 | LC | P |
| 19780116 | 19790928 | 0 | 0 | 01 | NR | P |

COLUMBIA ENERGY GROUP (GVKEY 3206)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19510101 | 19620130 | 11340 | 20478 | 00X | LU | C |
| 19620131 | 20001130 | 11340 | 20478 | 01 | LU | P |
| 20001201 | 20041118 | 11340 | 20478 | 99X | LU | C |
| 20041119 | 20051130 | 0 | 0 | 99X | NU | C |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19510101 | 19620130 | 11340 | 20478 | 00X | LN | C |
| 19620131 | 20001101 | 11340 | 20478 | 01 | LC | P |
| 20001102 | 20051130 | 0 | 0 | 99X | NR | C |

COMCAST JOIN HOLDINGS (GVKEY 6282)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19780601 | 19790927 | 0 | 0 | 00X | NU | C |
| 19820129 | 20000331 | 46739 | 2466 | 01 | LU | J |
| 19790928 | 20000331 | 0 | 0 | 02 | NU | P |
| 20000401 | 20000731 | 46747 | 2466 | 99X | LU | C |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19780601 | 19790913 | 0 | 0 | 00X | NR | C |
| 19790914 | 19820128 | 46739 | 2466 | 00X | LC | C |
| 19820129 | 20000302 | 46739 | 2466 | 01 | LC | J |
| 20000303 | 20000331 | 0 | 0 | 01 | NR | J |
| 19790928 | 19810208 | 0 | 0 | 02 | NR | P |
| 19810209 | 20000302 | 46747 | 2466 | 02 | LC | P |
| 20000303 | 20000731 | 0 | 0 | 99X | NR | C |

CONSECO FINANCE CORP (GVKEY 5331)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19820101 | 19830503 | 0 | 0 | 00X | NU | C |
| 19830504 | 19980731 | 67571 | 5955 | 01 | LU | P |
| 19980801 | 20030228 | 67571 | 5955 | 99X | LU | C |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19820101 | 19830503 | 0 | 0 | 00X | NR | C |
| 19830504 | 19980630 | 67571 | 5955 | 01 | LC | P |
| 19980701 | 19980731 | 0 | 0 | 01 | NR | P |
| 19980801 | 20030228 | 0 | 0 | 99X | NR | C |

DOMTAR INC (GVKEY 4034)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19500101 | 19620130 | 0 | 0 | 00X | NU | C |
| 19620131 | 20070330 | 31325 | 20593 | 01 | LU | P |
| 19820129 | 20070330 | 31325 | 20593 | 01C | LX | N |
| 20070331 | 20070430 | 31325 | 20593 | 99X | LU | C |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19500101 | 19620130 | 0 | 0 | 00X | NR | C |
| 19620131 | 19631128 | 0 | 0 | 01 | NR | P |
| 19631129 | 20070330 | 31325 | 20593 | 01 | LC | P |
| 19820129 | 20070330 | 31325 | 20593 | 01C | LX | N |
| 20070331 | 20070430 | 0 | 0 | 99X | NR | C |

INCONTACT INC (GVKEY 66268)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19980130 | 99999999 | 92320 | 52787 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19980130 | 20071025 | 0 | 0 | 01 | NR | P |
| 20071026 | 99999999 | 92320 | 52787 | 01 | LC | P |

KING PHARMACEUTICALS INC (GVKEY 112033)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19960101 | 19980624 | 0 | 0 | 00X | NU | C |
| 19980625 | 99999999 | 86176 | 16179 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19960101 | 19980624 | 0 | 0 | 00X | NR | C |
| 19980625 | 99999999 | 86176 | 16179 | 01 | LC | P |

NEXEN INC (GVKEY 2697)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19640101 | 19710729 | 0 | 0 | 00X | NU | C |
| 19710730 | 99999999 | 30277 | 20386 | 01 | LU | P |
| 19820129 | 99999999 | 30277 | 20386 | 01C | LX | N |
| 20031031 | 20060131 | 0 | 0 | 05 | NU | J |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19640101 | 19710729 | 30277 | 20386 | 00X | LN | C |
| 19710730 | 99999999 | 30277 | 20386 | 01 | LC | P |
| 19820129 | 99999999 | 30277 | 20386 | 01C | LX | N |
| 20031031 | 20060131 | 0 | 0 | 05 | NR | J |

PDL BIOPHARMA INC (GVKEY 24878)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19910101 | 19920128 | 0 | 0 | 00X | NU | C |
| 19920129 | 99999999 | 77292 | 11316 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19910101 | 19920128 | 0 | 0 | 00X | NR | C |
| 19920129 | 99999999 | 77292 | 11316 | 01 | LC | P |

PHILADELPHIA CONS HLDG CORP (GVKEY 28858)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19930101 | 19930916 | 0 | 0 | 00X | NU | C |
| 19930917 | 20081130 | 79617 | 12408 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19930101 | 19930916 | 0 | 0 | 00X | NR | C |
| 19930917 | 20081201 | 79617 | 12408 | 01 | LC | P |

REPUBLIC SERVICES INC (GVKEY 112168)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19970101 | 19980630 | 0 | 0 | 00X | NU | C |
| 19980701 | 99999999 | 86228 | 34838 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19970101 | 19980630 | 0 | 0 | 00X | NR | C |
| 19980701 | 99999999 | 86228 | 34838 | 01 | LC | |

SI INTERNATIONAL INC (GVKEY 148650)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19980101 | 20021111 | 0 | 0 | 00X | NU | C |
| 20021112 | 99999999 | 89577 | 43693 | 01 | LU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19980101 | 20021111 | 0 | 0 | 00X | NR | C |
| 20021112 | 20081229 | 89577 | 43693 | 01 | LC | P |

TOKIO MARINE HOLDINGS INC (GVKEY 15659)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19820129 | 20070725 | 76428 | 4466 | 90 | LU | P |
| 20070726 | 99999999 | 0 | 0 | 90 | NU | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19820129 | 20070725 | 76428 | 4466 | 90 | LC | P |
| 20070726 | 99999999 | 0 | 0 | 90 | NR | P |

WHX CORP (GVKEY 11462)

OLD:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19610101 | 19620130 | 19238 | 21915 | 00X | LC | C |
| 19620131 | 20050307 | 19238 | 21915 | 01 | LC | P |
| 20050308 | 20050729 | 0 | 0 | 01 | NR | P |
| 20050831 | 99999999 | 0 | 0 | 04 | NR | P |

NEW:

| LINKDT | LINKENDDT | LPERMNO | LPERMCO | LIID | LINKTYPE | LINKPRIM |
|----------|-----------|---------|---------|------|----------|----------|
| 19610101 | 19620130 | 19238 | 21915 | 00X | LC | C |
| 19620131 | 20050307 | 19238 | 21915 | 01 | LC | P |
| 20050308 | 20050729 | 0 | 0 | 01 | NR | P |
| 20050831 | 20081204 | 0 | 0 | 04 | NR | P |
| 20081205 | 99999999 | 92872 | 21915 | 04 | LC | P |

JANUARY 2009 CST LINK HISTORY

ALLIED WASTE INDUSTRIES INC (GVKEY 22140)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19900101 | 19910909 | 0 | 0 | NU | XXX |
| 19910910 | 99999999 | 76887 | 11108 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19900101 | 19910909 | 0 | 0 | NR | XXX |
| 19910910 | 20081205 | 76887 | 11108 | LC | BBB |

ALPHARMA INC -CL A (GVKEY 1034)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19830101 | 19840214 | 0 | 0 | NU | XXX |
| 19840215 | 99999999 | 65832 | 20007 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19830101 | 19840214 | 0 | 0 | NR | XXX |
| 19840215 | 20081229 | 65832 | 20007 | LC | BBB |

ASCENT MEDIA CORP (GVKEY 180821)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 20080926 | 99999999 | 92777 | 53080 | LC | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 20030101 | 20080925 | 0 | 0 | NR | XXX |
| 20080926 | 99999999 | 92777 | 53080 | LC | BBB |
| 20081231 | 99999999 | 0 | 0 | NR | XXX |

BARR PHARMACEUTICALS INC (GVKEY 13365)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19850701 | 19870611 | 0 | 0 | NU | XXX |
| 19870612 | 99999999 | 11415 | 9252 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19850701 | 19870611 | 0 | 0 | NR | XXX |
| 19870612 | 20081222 | 11415 | 9252 | LC | BBB |

BELL INDUSTRIES INC (GVKEY 2138)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19600701 | 19650128 | 0 | 0 | NU | XXX |
| 19650129 | 99999999 | 29639 | 20289 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19600701 | 19621230 | 0 | 0 | NR | XXX |
| 19620702 | 20080423 | 29639 | 20289 | LC | BBB |
| 20080424 | 99999999 | 0 | 0 | NR | XXX |

BRINKS INC (GVKEY 2399)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19700101 | 19700226 | 0 | 0 | NU | XXX |
| 19700227 | 19781115 | 19343 | 658 | LU | BBB |
| 19781116 | 19790928 | 0 | 0 | NU | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19700101 | 19721213 | 0 | 0 | NR | XXX |
| 19721214 | 19781115 | 19343 | 658 | LC | BBB |
| 19780116 | 19790928 | 0 | 0 | NR | XXX |

COLUMBIA ENERGY GROUP (GVKEY 3206)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19510101 | 20041118 | 11340 | 20478 | LU | BBB |
| 20041119 | 20051130 | 0 | 0 | NU | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19510101 | 19610130 | 11340 | 20478 | LN | BBB |
| 19620131 | 20001101 | 11340 | 20478 | LC | BBB |
| 20001102 | 20051130 | 0 | 0 | NR | XXX |

COMCAST JOIN HOLDINGS (GVKEY 6282)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19780601 | 20000331 | 0 | 0 | NU | XXX |
| 20000401 | 20000731 | 46747 | 2466 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19780601 | 19790913 | 0 | 0 | NR | XXX |
| 19790914 | 19820128 | 46739 | 2466 | LC | BBB |
| 19790928 | 19810208 | 0 | 0 | NR | XXX |
| 19810209 | 20000302 | 46747 | 2466 | LC | BBB |
| 20000303 | 20000731 | 0 | 0 | NR | XXX |

CONSECO FINANCE CORP (GVKEY 5331)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19820101 | 19830503 | 0 | 0 | NU | XXX |
| 19830504 | 20030228 | 67571 | 5955 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19820101 | 19830503 | 0 | 0 | NR | XXX |
| 19830504 | 19980630 | 67571 | 5955 | LC | BBB |
| 19980701 | 20030228 | 0 | 0 | NR | XXX |

DOMTAR INC (GVKEY 4034)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19500101 | 19620130 | 0 | 0 | NU | XXX |
| 19620131 | 20070430 | 31325 | 20593 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19500101 | 19631128 | 0 | 0 | NR | XXX |
| 19631129 | 20070330 | 31325 | 20593 | LC | BBB |
| 20070331 | 20070430 | 0 | 0 | NR | XXX |

INCONTACT INC (GVKEY 66268)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19980130 | 99999999 | 92320 | 52787 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19980130 | 20071025 | 0 | 0 | NR | XXX |
| 20071026 | 99999999 | 92320 | 52787 | LC | BBB |

KING PHARMACEUTICALS INC (GVKEY 112033)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19960101 | 19980624 | 0 | 0 | NU | XXX |
| 19980625 | 99999999 | 86176 | 16179 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19960101 | 19980624 | 0 | 0 | NR | XXX |
| 19980625 | 99999999 | 86176 | 16179 | LC | BBB |

NEXEN INC (GVKEY 2697)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19640101 | 19710729 | 0 | 0 | NU | XXX |
| 19710730 | 99999999 | 30277 | 20386 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19640101 | 19710729 | 30277 | 20386 | LN | BBB |
| 19710730 | 99999999 | 30277 | 20386 | LC | BBB |

PDL BIOPHARMA INC (GVKEY 24878)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19910101 | 19920128 | 0 | 0 | NU | XXX |
| 19920129 | 99999999 | 77292 | 11316 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19910101 | 19920128 | 0 | 0 | NR | XXX |
| 19920129 | 99999999 | 77292 | 11316 | LC | BBB |

PHILADELPHIA CONS HLDG CORP (GVKEY 28858)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19930101 | 19930916 | 0 | 0 | NU | XXX |
| 19930917 | 20081130 | 79617 | 12408 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19930101 | 19930916 | 0 | 0 | NR | XXX |
| 19930917 | 20081201 | 79617 | 12408 | LC | BBB |

REPUBLIC SERVICES INC (GVKEY 112168)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19970101 | 19980630 | 0 | 0 | NU | XXX |
| 19980701 | 99999999 | 86228 | 34838 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19970101 | 19980630 | 0 | 0 | NR | XXX |
| 19980701 | 99999999 | 86228 | 34838 | | |

SI INTERNATIONAL INC (GVKEY 148650)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19980101 | 20021111 | 0 | 0 | NU | XXX |
| 20021112 | 99999999 | 89577 | 43693 | LU | BBB |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19980101 | 20021111 | 0 | 0 | NR | XXX |
| 20021112 | 20081229 | 89577 | 43693 | LC | BBB |

TOKIO MARINE HOLDINGS INC (GVKEY 15659)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19820129 | 20070725 | 76428 | 4466 | LU | BBB |
| 20070726 | 99999999 | 0 | 0 | NU | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19820129 | 20070725 | 76428 | 4466 | LC | BBB |
| 20070726 | 99999999 | 0 | 0 | NR | XXX |

WHX CORP (GVKEY 11462)

OLD:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19610101 | 20050307 | 19238 | 21915 | LC | BBB |
| 20050308 | 99999999 | 0 | 0 | NR | XXX |

NEW:

| LINKDT | LINKENDDT | PERMNO | PERMCO | LINKTYPE | LINKFLAG |
|----------|-----------|--------|--------|----------|----------|
| 19610101 | 20050307 | 19238 | 21915 | LC | BBB |
| 20050308 | 20081204 | 0 | 0 | NR | XXX |
| 20081205 | 99999999 | 92872 | 21915 | LC | BBB |