

CRSP/COMPUSTAT MERGED DATABASE RELEASE NOTES

DECEMBER 2008 MONTHLY UPDATE

ABOUT THE DECEMBER 2008 CRSP/COMPUSTAT MERGED DATABASE

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

- **CPZ200812** – the legacy CST format database
- **CMZ200812** – 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 FormatDatabase (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 – ts_print ccm_print	2.95, 2.97 – ts_print cst_print 3.1 – ts_print_cst cst_print
CRSPSift Version (Windows only)	2.1 – Standard, Professional, Enterprise versions	1.2, 2.0, 2.1 versions
SASECRSP Engine	Available in 2009	yes
C	Yes – CA3.1	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 200812	
Number of CRSP Securities	23975
Number of GVKEYS	33717
Number of Links	63147
Database Size	2.39 GB

NEW CMZ 200812	
Total CompuSTAT Records	37655
Total GVKEY Companies	35457
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	41700
Total CRSP Securities Linked	24210
Total GVKEYs in Link	34641
Total Link Records	76397
Total Link Records with a Link to CRSP	28597
Database Size	6.31 GB



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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	19251231-20081212	1-22013
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	19260102-20081212	1-4328

NEW ITEM/KEYSET COMBINATIONS

The following items in the CCM database are not new to the December 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
CSHO_FN	Common Shares Outstanding - Footnote	7, SFAS, (Industrial Format, Pre- FASB, Standardized Presentation)
HFSTAYQ_FN	Average Length of Stay_Quarterly_Footnote	1, STD, (Industrial Format, Consolidated, Standardized Presentation)
HFSTAYY_FN	Average Length of Stay_Year-to-date_Footnote	1, STD, (Industrial Format, Consolidated, Standardized Presentation)
SETA_DC	Settlement (Litigation/Insurance) After-tax_Data Code	5, PFD, (Industrial Format, Pro Forma, Standardized Presentation)
SETP_DC	Settlement (Litigation/Insurance) Pre-tax_Data Code	5, PFD, (Industrial Format, Pro Forma, Standardized Presentation)
TFVCEQ_FN	Total Fair Value Changes Including Earnings_Quarterly_Footnote	7, SFAS, (Industrial Format, Pre- FASB, Standardized Presentation)
TFVCESA_DC	Total Fair Value Changes Including Earnings_Annual_Data Code	5, PFD, (Industrial Format, Pro Forma, Standardized 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 `/l` 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 no 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 14.

CCM LINK HISTORY

AMER ITALIAN PASTA CO -CL A (GVKEY 65570)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19971008	0	0	00X	NU	C
19971009	20061219	85411	32096	01	LU	P
20061220	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19971008	0	0	00X	NR	C
19971009	20061219	85411	32096	01	LC	P
20061220	20081113	0	0	01	NR	P
20081114	99999999	85411	32096	01	LC	P

APPLIED BIOSYSTEMS INC (GVKEY 8488)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490801	19601212	0	0	00X	NR	C
19601213	19620130	27713	21387	00X	LC	C
19620131	99999999	27713	21387	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19490801	19601212	0	0	00X	NR	C
19601213	19620130	27713	21387	00X	LC	C
19620131	20081121	27713	21387	01	LC	P

ASSOC FST CAPITAL CP -CL A (GVKEY 1831)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790801	19960507	0	0	00X	NR	C
19960508	20001229	83440	31626	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19790801	19960507	0	0	00X	NR	C
19960508	20001201	83440	31626	01	LC	P
20001202	20001229	0	0	01	NR	P

BANK KY FINANCIAL CORP (GVKEY 62972)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960628	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960628	20081123	0	0	01	NR	P
20081124	99999999	92851	53105	01	LC	P

BROADVISION INC (GVKEY 63099)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960620	0	0	00X	NU	C
19960621	20060307	83630	14750	01	LU	P
20060308	99999999	0	0	01	NU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19960620	0	0	00X	NR	C
19960621	20060305	83630	14750	01	LC	P
20060306	20081109	0	0	01	NR	P
20081110	99999999	83630	14750	01	LC	P

CASE (J I) CO (GVKEY 2806)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491101	19620131	11068	22244	00X	LC	C
19620131	19700804	11068	22244	01	LC	P
19700805	19701030	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19491101	19620130	11068	22244	00X	LC	C
19620131	19700804	11068	22244	01	LC	P
19700901	19701030	0	0	99X	NR	C

CHAD THERAPEUTICS INC (GVKEY 2903)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830401	19830719	0	0	00X	NU	C
19830720	99999999	22518	6193	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830401	19830719	0	0	00X	NR	C
19830720	19870125	22518	6193	01	LC	C
19870126	19930803	0	0	01	NR	C
19930804	20080829	22518	6193	01	LC	C
20080830	99999999	0	0	01	NR	C

CRACKER BARREL OLD CTRY STOR (GVKEY 3570)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730801	19811104	0	0	00X	NU	C
19811105	99999999	27562	5169	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19730801	19811104	0	0	00X	NR	C
19811105	99999999	27562	5169	01	LC	P

CRAWFORD & CO (GVKEY 3581)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19681128	0	0	00X	NU	C
19721214	19820128	27618	1100	00X	LU	C
19820129	19821231	27618	1100	01	LU	J
19830101	19901231	27618	1100	01	LU	P
19910101	19910130	27618	1100	01	LU	J
19910131	20040531	0	0	01	NU	J
20040601	20040629	0	0	01	NU	P
20040630	99999999	27618	1100	01	LU	P
19681129	19821231	76274	1100	02	LU	C
19830101	19900630	76274	1100	02	LU	N
19900701	19901231	76274	1100	02	LU	J
19910101	20040531	76274	1100	02	LU	P
20040601	99999999	76274	1100	02	LU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19680101	19681128	0	0	00X	NR	C
19900731	19900731	0	0	02	NR	J
19900801	19901231	76274	1100	02	LC	J
19910101	20040531	76274	1100	02	LC	P
20040601	99999999	76274	1100	02	LC	J

DESTINATION MATERNITY CORP (GVKEY 27936)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19911001	19930315	0	0	00X	NU	C
19930316	99999999	78990	12014	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19911001	19930315	0	0	00X	NR	C
19930316	99999999	78990	12014	01	LC	P

DIGITAL ANGEL CORP (GVKEY 31193)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19950730	0	0	00X	NU	C
19950731	19950831	0	0	01	NU	P
19950901	99999999	82248	13964	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19950730	0	0	00X	NR	C
19950731	19950831	0	0	01	NR	P
19950901	20020711	82248	13964	01	LC	P
20020712	20020730	0	0	01	NR	P
20020731	99999999	82248	13964	01	LC	P

EMERGENT GROUP INC (GVKEY 111581)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980630	99999999	0	0	01	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980630	20081109	0	0	01	NR	C
20081110	99999999	92821	53102	01	LC	C

ENCISION INC (GVKEY 63122)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950401	19960624	0	0	00X	NR	C
19960625	99999999	83654	14758	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950401	19960624	0	0	00X	NR	C
19960625	19981013	83654	14758	01	LC	P
19981014	20040119	0	0	01	NR	P
20040120	20081010	83654	14758	01	LC	P
20081011	99999999	0	0	01	NR	P

FEDERAL TRUST CORP (GVKEY 65980)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19971231	19980616	0	0	01	NU	P
19980617	99999999	86162	16159	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19971231	19980616	0	0	01	NR	P
19980617	20080930	86162	16159	01	LC	P
20081001	99999999	0	0	01	NR	P

LANDAMERICA FINANCIAL GP (GVKEY 24503)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19911014	0	0	00X	NU	C
19911015	99999999	77018	11130	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19911014	0	0	00X	NR	C
19911015	20081125	77018	11130	01	LC	P
20081126	99999999	0	0	01	NR	P

LIFE TECHNOLOGIES CORP (GVKEY 118577)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	19990225	0	0	00X	NU	C
19990226	99999999	86725	16425	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930226	19990225	0	0	00X	NR	C
19990226	99999999	86725	16425	01	LC	P

LIVEWIRE MOBILE INC (GVKEY 29746)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940217	0	0	00X	NU	C
19940218	99999999	80257	12867	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940217	0	0	00X	NR	C
19940218	99999999	80257	12867	01	LC	P

MCAFFEE INC (GVKEY 25783)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19921005	0	0	00X	NU	C
19921006	99999999	77976	11735	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19910101	19921005	0	0	00X	NR	C
19921006	99999999	77976	11735	01	LC	P

MODTECH HOLDINGS INC (GVKEY 22810)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19900718	0	0	00X	NU	C
19900719	99999999	76228	10686	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890101	19900718	0	0	00X	NR	C
19900719	20080723	76228	10686	01	LC	P
20080724	99999999	0	0	01	NR	P

MOVIE GALLERY INC (GVKEY 30559)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940801	0	0	00X	NR	C
19940802	20071024	80831	13239	01	LC	P
20071025	99999999	0	0	01	NR	P
20080630	99999999	0	0	02	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940801	0	0	00X	NR	C
19940802	20071024	80831	13239	01	LC	P
20071025	20080530	0	0	01	NR	P
20080630	99999999	0	0	02	NR	P

NV ENERGY INC (GVKEY 7824)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NU	C
19620131	19621118	0	0	01	NU	P
19621119	99999999	38658	21269	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19510101	19620130	0	0	00X	NR	C
19620131	19621118	0	0	01	NR	P
19621119	99999999	38658	21269	01	LC	P

PFF BANCORP INC (GVKEY 62520)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960329	99999999	83301	14480	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960329	20080725	83301	14480	01	LC	P
20080726	99999999	0	0	01	NR	P

PROVIDENT COS INC (GVKEY 8794)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590101	19620130	0	0	00X	NR	C
19820129	19821231	64531	3430	01	LD	J
19830101	19951130	64531	3430	01	LC	P
19951201	19951226	64531	3430	01	LC	J
19881031	19951229	0	0	02	NR	J
19620131	19721213	0	0	03	NR	C
19721214	19821231	64531	3430	03	LC	C
19830101	19941231	0	0	03	NR	N
19950101	19950130	0	0	03	NR	J
19950131	19951130	64531	3430	03	LC	J
19951201	19990630	64531	3430	03	LC	P
19990701	19990730	0	0	03	NR	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19590101	19620130	0	0	00X	NR	C
19820129	19821231	64531	3430	01	LD	J
19830101	19951130	64531	3430	01	LC	P
19951201	19951226	64531	3430	01	LC	J
19881031	19951229	0	0	02	NR	J
19620131	19721213	0	0	03	NR	C
19721214	19821231	64531	3430	03	LC	C
19830101	19941231	0	0	03	NR	N
19950101	19950130	0	0	03	NR	J
19950131	19951130	64531	3430	03	LD	J
19951201	19951226	64531	3430	03	LD	P
19951227	19990630	64531	3430	03	LC	P
19990701	19990730	0	0	03	NR	P

REINSURANCE GROUP AMER INC (GVKEY 28216)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930503	0	0	00X	NU	C
19930504	99999999	79210	29863	01	LC	P
19980605	19990930	86134	29863	02	LU	J
20011231	20060131	0	0	03	NU	J
20080919	99999999	92799	29863	04	LC	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19930503	0	0	00X	NR	C
19930504	99999999	79210	29863	01	LC	P
19980605	19990914	86134	29863	02	LC	J
20011231	20060131	0	0	03	NR	J
20080919	20081125	92799	29863	04	LC	J

RINI-REGO SUPERMARKET (GVKEY 4748)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19610101	19620130	0	0	00X	NR	C
19620131	19690921	0	0	01	NR	C
19690922	19821231	49242	25054	01	LC	C
19820129	19821231	49242	25054	02	LD	J
19830101	19880608	49242	25054	02	LC	P
19880609	19961231	0	0	99X	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19610101	19620130	0	0	00X	NR	C
19880630	19880630	0	0	01	NR	J
19620131	19690921	0	0	02	NR	C
19690922	19880608	49242	25054	02	LC	C
19880609	19961231	0	0	99X	NR	C

SECURE COMPUTING CORP (GVKEY 61570)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19951116	0	0	00X	NU	C
19951117	99999999	82613	14149	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940101	19951116	0	0	00X	NR	C
19951117	20081118	82613	14149	01	LC	P

W HOLDING CO INC (GVKEY 17157)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19850213	0	0	00X	NU	C
19850214	99999999	93105	7427	01	LU	P
19990730	20060131	0	0	03	NU	J
20010531	20060131	0	0	05	NU	J
20011031	20060131	0	0	06	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19850213	0	0	00X	NR	C
19850214	99999999	93105	7427	01	LC	P
19990730	20060131	0	0	03	NR	J
20010531	20060131	0	0	05	NR	J
20011031	20060131	0	0	06	NR	J

WARNACO GROUP INC (GVKEY 13990)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19630203	0	0	00X	NU	C
19630204	19820128	38885	24345	00X	LU	C
19820129	19821231	38885	24345	01	LU	J
19830101	19851231	38885	24345	01	LU	P
19660131	19821231	0	0	02	NU	C
19830101	19851130	0	0	02	NU	N
19851201	19851231	0	0	02	NU	N
19860101	19910930	0	0	02	NU	C
19911001	19911010	0	0	02	NU	P
19911011	20010608	77080	24345	02	LU	P
20010609	20030131	0	0	02	NU	P
20030201	20030204	0	0	02	NU	C
20030205	20030228	0	0	02	NU	N
20030205	99999999	89686	24345	04	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600101	19630203	0	0	00X	NR	C
19630204	19660130	38885	24345	00X	LN	C
19820129	19821231	38885	24345	01	LC	J
19830101	19851231	38885	24345	01	LC	P
19660131	19821231	0	0	02	NR	C
19830101	19851130	0	0	02	NR	N
19851201	19851231	0	0	02	NR	N
19860101	19910930	0	0	02	NR	C
19911001	19911010	0	0	02	NR	P
19911011	20010608	77080	24345	02	LC	P
20010609	20030131	0	0	02	NR	P
20030201	20030204	0	0	02	NR	C
20030205	20030228	0	0	02	NR	N
20030205	99999999	89686	24345	04	LC	P

CST LINK HISTORY

AMER ITALIAN PASTA CO -CL A (GVKEY 65570)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19971008	0	0	NU	XXX
19971009	20061219	85411	32096	LU	BBB
20061220	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19971008	0	0	NR	XXX
19971009	20061219	85411	32096	LC	BBB
20061220	20081113	0	0	NR	XXX
20081114	99999999	85411	32096	LC	BBB

APPLIED BIOSYSTEMS INC (GVKEY 8488)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19490801	19601212	0	0	NR	XXX
19601213	99999999	27713	21387	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19490801	19601212	0	0	NR	XXX
19601213	20081121	27713	21387	LC	BBB

ASSOC FST CAPITAL CP -CL A (GVKEY 1831)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19790801	19960507	0	0	NR	XXX
19960508	20001229	83440	31626	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19790801	19960507	0	0	NR	XXX
19960508	20001201	83440	31626	LC	BBB
20001202	20001229	0	0	NR	XXX

BANK KY FINANCIAL CORP (GVKEY 62972)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960628	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960628	20081123	0	0	NR	XXX
20081124	99999999	92851	53105	LC	BBB

BROADVISION INC (GVKEY 63099)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19960620	0	0	NU	XXX
19960621	20060307	83630	14750	LU	BBB
20060308	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19960620	0	0	NR	XXX
19960621	20060305	83630	14750	LC	BBB
20060306	20081109	0	0	NR	XXX
20081110	99999999	83630	14750	LC	BBB

CASE (J I) CO (GVKEY 2806)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19491101	19700804	11068	22244	LC	BBB
19700805	19701030	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19491101	19700804	11068	22244	LC	BBB
19700901	19701030	0	0	NR	XXX

CHAD THERAPEUTICS INC (GVKEY 2903)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830401	19830719	0	0	NU	XXX
19830720	99999999	22518	6193	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830401	19830719	0	0	NR	XXX
19830720	19870125	22518	6193	LC	BBB
19870126	19930803	0	0	NR	XXX
19930804	20080829	22518	6193	LC	BBB
20080830	99999999	0	0	NR	XXX

CRACKER BARREL OLD CTRY STOR (GVKEY 3570)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730801	19811104	0	0	NU	XXX
19811105	99999999	27562	5169	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19730801	19811104	0	0	NR	XXX
19811105	99999999	27562	5169	LC	BBB

CRAWFORD & CO (GVKEY 3581)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19681128	0	0	NU	XXX
19721214	19901231	27618	1100	LU	BBB
20040601	20040629	0	0	NU	XXX
20040630	99999999	27618	1100	LU	BBB
19681129	20040531	76274	1100	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19680101	19681128	0	0	NR	XXX
19910101	20040531	76274	1100	LC	BBB

DESTINATION MATERNITY CORP (GVKEY 27936)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19911001	19930315	0	0	NU	XXX
19930316	99999999	78990	12014	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19911001	19930315	0	0	NR	XXX
19930316	99999999	78990	12014	LC	BBB

DIGITAL ANGEL CORP (GVKEY 31193)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19950831	0	0	NU	XXX
19950901	99999999	82248	13964	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19950831	0	0	NR	XXX
19950901	20020711	82248	13964	LC	BBB
20020712	20020730	0	0	NR	XXX
20020731	99999999	82248	13964	LC	BBB

EMERGENT GROUP INC (GVKEY 111581)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980630	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980630	20081109	0	0	NR	XXX
20081110	99999999	92821	53102	LC	BBB

ENCISION INC (GVKEY 63122)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950401	19960624	0	0	NR	XXX
19960625	99999999	83654	14758	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950401	19960624	0	0	NR	XXX
19960625	19981013	83654	14758	LC	BBB
19981014	20040119	0	0	NR	XXX
20040120	20081010	83654	14758	LC	BBB
20081011	99999999	0	0	NR	XXX

FEDERAL TRUST CORP (GVKEY 65980)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19971231	19980616	0	0	NU	XXX
19980617	99999999	86162	16159	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19971231	19980616	0	0	NR	XXX
19980617	20080930	86162	16159	LC	BBB
20081001	99999999	0	0	NR	XXX

LANDAMERICA FINANCIAL GP (GVKEY 24503)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19910101	19911014	0	0	NU	XXX
19911015	99999999	77018	11130	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19910101	19911014	0	0	NR	XXX
19911015	20081125	77018	11130	LC	BBB
20081126	99999999	0	0	NR	XXX

LIFE TECHNOLOGIES CORP (GVKEY 118577)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	19990225	0	0	NU	XXX
19990226	99999999	86725	16425	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930226	19990225	0	0	NR	XXX
19990226	99999999	86725	16425	LC	BBB

LIVEWIRE MOBILE INC (GVKEY 29746)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940217	0	0	NU	XXX
19940218	99999999	80257	12867	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940217	0	0	NR	XXX
19940218	99999999	80257	12867	LC	BBB

MCAFFEE INC (GVKEY 25783)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19910101	19921005	0	0	NU	XXX
19921006	99999999	77976	11735	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19910101	19921005	0	0	NR	XXX
19921006	99999999	77976	11735	LC	BBB

MODTECH HOLDINGS INC (GVKEY 22810)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19900718	0	0	NU	XXX
19900719	99999999	76228	10686	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890101	19900718	0	0	NR	XXX
19900719	20080723	76228	10686	LC	BBB
20080724	99999999	0	0	NR	XXX

MOVIE GALLERY INC (GVKEY 30559)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940801	0	0	NR	XXX
19940802	20071024	80831	13239	LC	BBB
20071025	99999999	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940801	0	0	NR	XXX
19940802	20071024	80831	13239	LC	BBB
20071025	99999999	0	0	NR	XXX

NV ENERGY INC (GVKEY 7824)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19621118	0	0	NU	XXX
19621119	99999999	38658	21269	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19510101	19621118	0	0	NR	XXX
19621119	99999999	38658	21269	LC	BBB

PFF BANCORP INC (GVKEY 62520)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960329	99999999	83301	14480	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960329	20080725	83301	14480	LC	BBB
20080726	99999999	0	0	NR	XXX

PROVIDENT COS INC (GVKEY 8794)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19590101	19620130	0	0	NR	XXX
19830101	19951130	64531	3430	LC	BBB
19620131	19721213	0	0	NR	XXX
19721214	19990630	64531	3430	LC	BBB
19990701	19990730	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19590101	19620130	0	0	NR	XXX
19830101	19951130	64531	3430	LC	BBB
19620131	19721213	0	0	NR	XXX
19721214	19821231	64531	3430	LC	BBB
19951201	19951226	64531	3430	LD	BBB
19951227	19990630	64531	3430	LC	BBB
19990701	19990730	0	0	NR	XXX

REINSURANCE GROUP AMER INC (GVKEY 28216)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19920101	19930503	0	0	NU	XXX
19930504	99999999	79210	29863	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19920101	19930503	0	0	NR	XXX
19930504	99999999	79210	29863	LC	BBB

RINI-REGO SUPERMARKET (GVKEY 4748)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19610101	19690921	0	0	NR	XXX
19690922	19880608	49242	25054	LC	BBB
19880609	19961231	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19610101	19690921	0	0	NR	XXX
19690922	19880608	49242	25054	LC	BBB
19880609	19961231	0	0	NR	XXX

SECURE COMPUTING CORP (GVKEY 61570)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19951116	0	0	NU	XXX
19951117	99999999	82613	14149	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940101	19951116	0	0	NR	XXX
19951117	20081118	82613	14149	LC	BBB

W HOLDING CO INC (GVKEY 17157)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	19850213	0	0	NU	XXX
19850214	99999999	93105	7427	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	19850213	0	0	NR	XXX
19850214	99999999	93105	7427	LC	BBB

WARNACO GROUP INC (GVKEY 13990)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600101	19630203	0	0	NU	XXX
19630204	19851231	38885	24345	LU	BBB
19660131	19911010	0	0	NU	XXX
19911011	20010608	77080	24345	LU	BBB
20010609	20030204	0	0	NU	XXX
20030205	99999999	89686	24345	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600101	19630203	0	0	NR	XXX
19630204	19660130	38885	24345	LN	BBB
19830101	19851231	38885	24345	LC	BBB
19660131	19911010	0	0	NR	XXX
19911011	20010608	77080	24345	LC	BBB
20010609	20030204	0	0	NR	XXX
20030205	99999999	89686	24345	LC	BBB