

CRSP/COMPUSTAT MERGED DATABASE RELEASE NOTES

APRIL 2009 MONTHLY UPDATE

ABOUT THE APRIL 2009 CRSP/COMPUSTAT MERGED DATABASE

The cut date for these release notes is April 12, 2009.

This shipment includes two versions of the CRSP/
Compustat Merged Database:

- **CPZ200904** – the legacy CST format database
- **CMZ200904** – 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
<i>Source</i>	<i>Compustat Xpressfeed</i>	<i>Compustat Legacy</i>
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 200904	
Number of CRSP Securities	24028
Number of GVKEYS	34000
Number of Links	64034
Database Size	2.43 GB

NEW CMZ 200904	
Total Compustat Records	38086
Total GVKEY Companies	35888
Total GVKEYX Indexes	2198
Total GVKEY/IID Securities	42261
Total CRSP Securities Linked	24244
Total GVKEYs in Link	34928
Total Link Records	80067
Total Link Records with a Link to CRSP	28312
Database Size	6.31 GB



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	19251231-20090409	1-22093
Monthly trading calendar	19251231-20121231	1-1057
Annual trading calendar	19251231-20091231	1-86
Quarterly trading calendar	19251231-20091231	1-341
Semi-Annual trading calendar	19251231-20091231	1-171
Weekly trading calendar	19260102-20090409	1-4345

NEW KEYSSET ADDED

A new keyset was added to the CCM database. The item to which this keyset applies is Inventory Valuation Method (INVVAL) .

Keyset	Tag	Keyset Component	Keyset Description
40	FS4	DATAFMT = STD INDFMT = FS CONSOL = C RANK = 4	Financial Services Format, Consolidated Information, Standardized Presentation, Rank 4

COMPUSTAT REFERENCE DATA - COMING SOON!

With the upcoming releases of CRSPSift 2.3 and CRSPAccess 3.12, users will be able to access Compustat reference data beginning with the April data cut. In Sift, Reference data items are accessible from the menu bar under Tools. In CRSPAccess, a new command line executable, `ccm_ref_print` is provided for accessing the data.

Four groups of reference data items are available:

- Refcode - Reference codes and their descriptions
- Refnum - Reference numbers and their descriptions
- Economic Indicator Data - Available for US and Canada
- Currency - country currency descriptive information and daily/monthly exchange rates

Note: Different countries have differing trading calendars. CRSP is utilizing the trading calendar for the US stock markets. As a result, we are knowingly omitting exchange rate data that occur on CRSP trading holidays.

For full details of usage and examples of the Compustat reference data, refer to the CRSP website for the Sift User Guide and the `CCM_REF_PRINT` documentation.

12-MONTH MOVING DATA ITEMS CORRECTED IN LEGACY DATABASE.

In the March cut of the legacy CCM database (CPZ200903), CRSP discovered a flaw in the 12-month moving window calculation used to translate items from the CCM Xpressfeed sources.

Items affected were:

- IQ27 - EPS (Basic) Excluding Extraordinary Items - 12 Month Moving
- IQ178 - EPS from Operations - 12 Month Moving
- IQ179 - EPS (Diluted) Excluding Extraordinary Items - 12 Month Moving
- IQ 180 - EPS from Operations (Diluted) - 12 Month Moving

In this April cut of the legacy database, these items are now correct.

CCM 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 16.

APRIL 2009 CCM LINK HISTORY

ARCELORMITTAL SA (GVKEY 65248)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19970807	0	0	00X	NU	C
19970808	99999999	85261	32058	90	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19960101	19970807	0	0	00X	NR	C
19970808	99999999	85261	32058	90	LC	P

AUTOLIV INC (GVKEY 64690)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19970427	0	0	00X	NU	C
19970428	99999999	84656	31946	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19950101	19970427	0	0	00X	NR	C
19970428	99999999	84656	31946	01	LC	P
20090331	99999999	0	0	02	NR	J

BANK OF MONTREAL (GVKEY 15580)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980227	99999999	81284	29146	01	LN	C
19810130	19941026	0	0	01C	NU	C
19941027	19980226	81284	29146	01C	LX	C
19980227	99999999	81284	29146	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980227	99999999	81284	29146	01	LC	C
19810130	19941026	0	0	01C	NR	C
19941027	19980226	81284	29146	01C	LX	C
19980227	99999999	81284	29146	01C	LX	N

CABLETEL COMMUNICATIONS CORP (GVKEY 30228)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940530	0	0	00X	NU	C
19940913	20040519	80861	30472	01	LU	C
20040520	20080430	0	0	01	NU	C
19940531	19940912	0	0	01C	NU	C
19940913	20040528	80861	30472	01C	LX	N
20080501	99999999	0	0	99X	NU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19940530	0	0	00X	NR	C
19940913	20040519	80861	30472	01	LC	C
20040520	20090130	0	0	01	NR	C
19940531	19940912	0	0	01C	NR	C
19940913	20040519	80861	30472	01C	LX	N
20090131	99999999	0	0	99X	NR	C

CHINA GREEN AGRICULTURE INC (GVKEY 21241)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19860701	19901230	0	0	00X	NR	C
19901231	19920511	76341	10549	01	LC	C
19920512	99999999	0	0	01	NR	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19890701	19900408	0	0	00X	NR	C
19900409	19920511	76341	10549	01	LC	C
19920512	20090308	0	0	01	NR	C
20090309	99999999	92897	53126	01	LC	C

COLUMBIA PICTURES ENTMNT INC (GVKEY 14291)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19871230	0	0	00X	NU	C
19871231	19891130	92567	7559	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19871216	0	0	00X	NR	C
19871217	19891114	92567	7559	01	LC	P

CORGI INTERNATIONAL LTD (GVKEY 178659)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20061220	0	0	00X	NR	C
20061221	99999999	84638	15367	90	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20030101	20061220	0	0	00X	NR	C
20061221	20090319	84638	15367	90	LC	C
20090320	99999999	0	0	90	NR	C

DICKENSON MINES LTD (GVKEY 3940)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19640101	19820128	0	0	00X	NU	C
19820129	19821031	0	0	01	NU	P
19821101	19821231	69892	20580	01	LU	P
19820129	19821031	0	0	01C	NU	N
19821101	19821231	69892	20580	01C	LX	N
19830101	19940331	69892	20580	01C	LX	C
19820129	19821031	0	0	02C	NU	N
19821101	19940331	69905	20580	02C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19640101	19820128	0	0	00X	NR	C
19820129	19821031	0	0	01	NR	P
19821101	19821231	69892	20580	01	LC	P
19820129	19821031	0	0	01C	NR	N
19821101	19821231	69892	20580	01C	LX	N
19830101	19860101	69892	20580	01C	LX	C
19860102	19860707	0	0	01C	NR	C
19860708	19940330	69892	20580	01C	LX	C
19831230	19860101	69905	20580	02	LC	N
19860102	19860707	0	0	02	NR	N
19860708	19940331	69905	20580	02	LC	N
19940401	19940429	69905	20580	02	LC	C
19820129	19821031	0	0	02C	NR	J
19821101	19860101	69905	20580	02C	LX	J
19860102	19860707	0	0	02C	NR	J
19860708	19940331	69905	20580	02C	LX	J

FAIRCHILD CORP (GVKEY 2033)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600701	19620701	0	0	00X	NR	C
19620702	19650128	29532	20267	00X	LC	C
19650129	99999999	29532	20267	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19600701	19620701	0	0	00X	NR	C
19620702	19650128	29532	20267	00X	LC	C
19650129	20090108	29532	20267	01	LC	P
20090109	99999999	0	0	01	NR	P

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19820129	19821231	35124	1629	01	LD	J
19830101	19920924	35124	1629	01	LC	J
19891121	19920924	75868	1629	02	LC	J
19800131	19821231	35124	1629	03	LC	C
19830101	19920924	0	0	03	NR	C
19920925	99999999	35124	1629	03	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19800131	19831130	35124	1629	01	LD	P
19831201	19920924	35124	1629	01	LD	J
19891121	19920924	75868	1629	02	LC	J
19831230	99999999	35124	1629	03	LC	C

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19820129	19821231	35124	1629	01	LD	J
19830101	19920924	35124	1629	01	LC	J
19891121	19920924	75868	1629	02	LC	J
19800131	19821231	35124	1629	03	LC	C
19830101	19920924	0	0	03	NR	C
19920925	99999999	35124	1629	03	LC	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800101	19800130	35124	1629	00X	LC	C
19800131	19831130	35124	1629	01	LD	P
19831201	19920924	35124	1629	01	LD	J
19891121	19920924	75868	1629	02	LC	J
19831230	99999999	35124	1629	03	LC	C

GOLDCORP INC (GVKEY 15037)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19830629	0	0	00X	NU	C
19980430	99999999	69892	20580	01	LC	P
19830630	19980429	69892	20580	01C	LX	C
19980430	99999999	69892	20580	01C	LX	N
19940429	20001031	69905	20580	03	LU	J
19940429	20001031	69905	20580	03C	LX	N
20050429	20060131	0	0	04	NU	J
20050429	20060131	0	0	05C	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830101	19830629	0	0	00X	NR	C
19980430	99999999	69892	20580	01	LC	P
19830630	19980429	69892	20580	01C	LX	C
19980430	99999999	69892	20580	01C	LX	N
19940504	20001031	69905	20580	03	LC	J
19940429	20001031	69905	20580	03C	LX	N
20050429	20060131	0	0	04	NR	J
20050429	20060131	0	0	05C	NR	J

GREAT FLORIDA BANK (GVKEY 176065)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20061228	0	0	00X	NU	C
20061229	20071204	0	0	01	NU	P
20071205	99999999	92461	52879	01	LU	P
20070731	99999999	0	0	02	NU	J

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20050101	20061228	0	0	00X	NR	C
20061229	20071204	0	0	01	NR	P
20071205	99999999	92461	52879	01	LC	P
20070731	99999999	0	0	02	NR	J

GRILL CONCEPTS INC (GVKEY 29346)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19931207	0	0	00X	NU	C
19931208	99999999	79994	12647	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19930101	19931207	0	0	00X	NR	C
19931208	20090317	79994	12647	01	LC	P
20090318	99999999	0	0	99X	NR	C

IDEARC INC (GVKEY 175739)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010101	20061119	0	0	00X	NR	C
20061120	99999999	91576	51424	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20010101	20061119	0	0	00X	NR	C
20061120	20081120	91576	51424	02	LC	P
20081121	99999999	0	0	02	NR	P

INVITEL HOLDINGS AS (GVKEY 26050)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921227	0	0	00X	NU	C
19921228	99999999	78157	11883	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19920101	19921227	0	0	00X	NR	C
19921228	99999999	78157	11883	90	LC	P

ITERIS INC (GVKEY 8087)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800401	19810730	0	0	00X	NR	C
19820129	19841031	66667	3333	01	LC	P
19841101	20030422	66667	3333	01	LC	J
20030423	20041130	0	0	01	NR	J
19810731	19811231	0	0	02	NR	P
19820101	19820128	0	0	02	NR	C
19820129	19841031	0	0	02	NR	N
19841101	19841106	0	0	02	NR	P
19841107	20030723	67029	3333	02	LC	P
20030724	20041208	0	0	02	NR	P
20041209	99999999	67029	3333	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19800401	19810713	0	0	00X	NR	C
19810714	19910930	66667	3333	01	LC	P
19911001	20030422	66667	3333	01	LC	J
20030423	20041130	0	0	01	NR	J
19841107	19910930	67029	3333	02	LC	N
19911001	20030723	67029	3333	02	LC	P
20030724	20041208	0	0	02	NR	P
20041209	99999999	67029	3333	02	LC	P

JOHNSON CONTROLS INC (GVKEY 6268)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NU	C
19620131	19651010	0	0	01	NU	P
19651011	99999999	42534	21019	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19500101	19620130	0	0	00X	NR	C
19620131	19651010	0	0	01	NR	P
19651011	99999999	42534	21019	01	LC	P
20090331	20090331	0	0	03	NR	J

LORAL SPACE & COMMUNICATIONS (GVKEY 62640)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940401	19960429	0	0	00X	NR	C
19960430	19960506	0	0	01	NU	P
19960507	20030715	83342	31623	01	LU	P
20030716	20051130	0	0	01	NR	P
20051208	99999999	91024	50000	07	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19940401	19960429	0	0	00X	NR	C
19960430	19960506	0	0	01	NR	P
19960507	20030715	83342	31623	01	LC	P
20030716	20051130	0	0	01	NR	P
20051208	99999999	91024	50000	07	LC	P

NESTOR INC (GVKEY 7817)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19831221	0	0	00X	NR	C
19831222	99999999	57104	6744	01	LU	C

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830701	19831221	0	0	00X	NR	C
19831222	19911219	57104	6744	01	LC	C
19911220	20050630	0	0	01	NR	C
20050701	20080430	57104	6744	01	LC	C

NOBLE CORP (GVKEY 11925)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19850922	0	0	00X	NU	C
19850923	99999999	90537	7752	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19850101	19850922	0	0	00X	NR	C
19850923	99999999	90537	7752	01	LC	P

NORTHERN HEMISPHERE DEV CP (GVKEY 5583)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19840131	19920629	78302	26224	01	LC	C
19920630	99999999	0	0	01	NR	C
19830131	19840130	78302	26224	01C	LX	C
19840131	19920629	78302	26224	01C	LX	N
19920630	99999999	0	0	01C	NR	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19830131	19830130	78302	26224	00X	LN	C
19840131	19920629	78302	26224	01	LC	C
19920630	20090227	0	0	01	NR	C
19830131	19840130	78302	26224	01C	LX	C
19840131	19920629	78302	26224	01C	LX	N
19920630	20090228	0	0	01C	NR	N
20090301	99999999	0	0	01C	NR	C

02DIESEL CORP (GVKEY 143664)

OLD:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20020130	0	0	00X	NR	C
20020131	20040630	0	0	01	NU	P
20040701	99999999	90270	45391	01	LU	P

NEW:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20020130	0	0	00X	NR	C
20020131	20040630	0	0	01	NR	P
20040701	20080425	90270	45391	01	LC	P
20080426	99999999	0	0	01	NR	P

PARENT CO (GVKEY 178593)

OLD:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040201	20071030	0	0	00X	NU	C
20071031	99999999	90826	47180	01	LC	P

NEW:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20040201	20071030	0	0	00X	NR	C
20071031	20071104	0	0	01	NR	P
20071105	99999999	90826	47180	01	LC	P

PREMD INC (GVKEY 139062)

OLD:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980201	20000830	0	0	00X	NU	C
20030917	99999999	89847	44392	01	LC	P
20000831	20030916	0	0	01C	NU	C
20030917	99999999	89847	44392	01C	LX	N

NEW:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980201	20000830	0	0	00X	NR	C
20030917	20080827	89847	44392	01	LC	P
20080828	99999999	0	0	01	NR	P
20000831	20030916	0	0	01C	NR	C
20030917	20080827	89847	44392	01C	LX	N
20080828	99999999	0	0	01C	NR	N

QSOUND LABS INC (GVKEY 15467)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19890427	0	0	00X	NU	C
19890531	99999999	78694	26130	01	LU	P
19890428	19890530	78694	26130	01C	LX	C
19890531	19970430	78694	26130	01C	LX	N

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19880101	19890119	0	0	00X	NR	C
19890120	19890427	78694	26130	00X	LC	C
19890531	99999999	78694	26130	01	LC	P
19890428	19890530	78694	26130	01C	LX	C
19890531	19970430	78694	26130	01C	LX	N

RENEGY HOLDINGS INC (GVKEY 178461)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071030	0	0	00X	NU	C
20071031	99999999	88830	41055	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20060101	20071030	0	0	00X	NR	C
20071031	20090327	88830	41055	01	LC	P
20090328	99999999	0	0	01	NR	P

ROYAL BANK OF SCOTLAND GROUP (GVKEY 15634)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851231	19891228	0	0	00X	NU	C
20040831	20080530	0	0	04	NR	J
20041029	99999999	0	0	23	NR	J
19991029	20051130	0	0	82	NR	J
20070928	99999999	0	0	84	NR	J
20070131	99999999	0	0	86	NR	J
20060531	99999999	0	0	87	NR	J
20050531	20060428	0	0	88	NR	J
20010629	20070430	0	0	89	NR	J
19891229	19920831	0	0	90	NR	P
19920901	19920929	0	0	90	NR	C
19920930	20051031	0	0	90	NR	N
20051130	99999999	0	0	91	NR	J

19980430	20051230	0	0	92	NR	J
19980430	99999999	0	0	93	NR	J
19980331	20021231	0	0	94	NR	J
20030101	20070430	0	0	94	NR	P
19961231	20070430	0	0	95	NR	N
19920930	20021231	0	0	96	NR	P
20030101	20030131	0	0	96	NR	J
19990226	99999999	0	0	97	NR	J
19990930	20000131	0	0	98	NR	J
19991029	20071017	0	0	99	NU	N
20071018	20071130	92355	28711	99	LN	N
20071201	20071230	92355	28711	99	LN	P
20071231	20081128	92355	28711	99	LC	P

NEW:

LINKDT	LINKENDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19851231	19891228	0	0	00X	NR	C
20040831	20080530	0	0	04	NR	J
20041029	99999999	0	0	23	NR	J
19991029	20051130	0	0	82	NR	J
20070928	99999999	0	0	84	NR	J
20071018	99999999	0	0	86	NR	J
20060531	99999999	0	0	87	NR	J
20050531	20060428	0	0	88	NR	J
20010629	20070430	0	0	89	NR	J
19891229	19920831	0	0	90	NR	P
19920901	19920929	0	0	90	NR	C
19920930	20051031	0	0	90	NR	N
20051130	99999999	0	0	91	NR	J
19980430	20051230	0	0	92	NR	J
19980430	99999999	0	0	93	NR	J
19980331	20021231	0	0	94	NR	J
20030101	20070430	0	0	94	NR	P
19961231	20070430	0	0	95	NR	N
19920930	20021231	0	0	96	NR	P
20030101	20030131	0	0	96	NR	J
19990226	99999999	0	0	97	NR	J
19990930	20000131	0	0	98	NR	J
19991029	20071017	0	0	99	NR	N
20071018	20071130	92355	28711	99	LC	N
20071201	99999999	92355	28711	99	LC	P

TRANSMERIDIAN EXPL INC (GVKEY 145956)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20020327	0	0	00X	NR	C
20020328	20050320	0	0	01	NU	P
20050321	99999999	90629	46430	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20000101	20020327	0	0	00X	NR	C
20020328	20050320	0	0	01	NR	P
20050321	20081126	90629	46430	01	LC	P
20081127	99999999	0	0	01	NR	P

TYCO INTERNATIONAL LTD (GVKEY 10787)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19630601	19660929	0	0	00X	NU	C
19660930	19671113	0	0	01	NU	P
19671114	99999999	45356	21791	01	LU	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19630601	19660929	0	0	00X	NR	C
19660930	19671113	0	0	01	NR	P
19671114	99999999	45356	21791	01	LC	P

VERASUN ENERGY CORP (GVKEY 165731)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20060613	0	0	00X	NR	C
20060614	99999999	91322	50850	02	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
20020101	20060613	0	0	00X	NR	C
20060614	20081031	91322	50850	02	LC	P
20081101	99999999	0	0	02	NR	P

VERMILLION INC (GVKEY 140042)

OLD:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19970101	20000928	0	0	00X	NR	C
20000929	99999999	88620	39154	01	LC	P

NEW:

LINKDT	LINKENDDT	LPERMNO	LPERMCO	LIID	LINKTYPE	LINKPRIM
19980101	20000928	0	0	00X	NR	C
20000929	20080924	88620	39154	01	LC	P
20080925	99999999	0	0	01	NR	P

CST LINK HISTORY**ARCELORMITTAL SA (GVKEY 65248)**

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19970807	0	0	NU	XXX
19970808	99999999	85261	32058	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19960101	19970807	0	0	NR	XXX
19970808	99999999	85261	32058	LC	BBB

AUTOLIV INC (GVKEY 64690)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19970427	0	0	NU	XXX
19970428	99999999	84656	31946	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19950101	19970427	0	0	NR	XXX
19970428	99999999	84656	31946	LC	BBB

BANK OF MONTREAL (GVKEY 15580)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980227	99999999	81284	29146	LN	BBB
19810130	19941026	0	0	NU	XXX
19941027	19980226	81284	29146	LX	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980227	99999999	81284	29146	LC	BBB
19810130	19941026	0	0	NR	XXX
19941027	19980226	81284	29146	LX	BBB

CABLETEL COMMUNICATIONS CORP (GVKEY 30228)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940530	0	0	NU	XXX
19940913	20040519	80861	30472	LU	BBB
20040520	99999999	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19940530	0	0	NR	XXX
19940913	20040519	80861	30472	LC	BBB
20040520	99999999	0	0	NR	XXX

CHINA GREEN AGRICULTURE INC (GVKEY 21241)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19860701	19901230	0	0	NR	XXX
19901231	19920511	76341	10549	LC	BBB
19920512	99999999	0	0	NR	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19890701	19900408	0	0	NR	XXX
19900409	19920511	76341	10549	LC	BBB
19920512	20090308	0	0	NR	XXX
20090309	99999999	92897	53126	LC	BBB

COLUMBIA PICTURES ENTMNT INC (GVKEY 14291)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19871230	0	0	NU	XXX
19871231	19891130	92567	7559	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19871216	0	0	NR	XXX
19871217	19891114	92567	7559	LC	BBB

CORGI INTERNATIONAL LTD (GVKEY 178659)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030101	20061220	0	0	NR	XXX
20061221	99999999	84638	15367	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20030101	20061220	0	0	NR	XXX
20061221	20090319	84638	15367	LC	BBB
20090320	99999999	0	0	NR	XXX

DICKENSON MINES LTD (GVKEY 3940)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19640101	19821031	0	0	NU	XXX
19821101	19821231	69892	20580	LU	BBB
19830101	19940331	69892	20580	LX	BBB

NEW:					
LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19640101	19821031	0	0	NR	XXX
19821101	19821231	69892	20580	LC	BBB
19830101	19860101	69892	20580	LX	BBB
19860102	19860707	0	0	NR	XXX
19860708	19940330	69892	20580	LX	BBB
19940401	19940429	69905	20580	LC	BBB

FAIRCHILD CORP (GVKEY 2033)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600701	19620701	0	0	NR	XXX
19620702	99999999	29532	20267	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19600701	19620701	0	0	NR	XXX
19620702	20090108	29532	20267	LC	BBB
20090109	99999999	0	0	NR	XXX

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	19821231	35124	1629	LC	BBB
19830101	19920924	0	0	NR	XXX
19920925	99999999	35124	1629	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	19800130	35124	1629	LC	BBB
19800131	19831130	35124	1629	LD	BBB
19831230	99999999	35124	1629	LC	BBB

FIRST AMERICAN CORP/CA (GVKEY 12796)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	19821231	35124	1629	LC	BBB
19830101	19920924	0	0	NR	XXX
19920925	99999999	35124	1629	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800101	19800130	35124	1629	LC	BBB
19800131	19831130	35124	1629	LD	BBB
19831230	99999999	35124	1629	LC	BBB

GOLDCORP INC (GVKEY 15037)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19830629	0	0	NU	XXX
19980430	99999999	69892	20580	LC	BBB
19830630	19980429	69892	20580	LX	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830101	19830629	0	0	NR	XXX
19980430	99999999	69892	20580	LC	BBB
19830630	19980429	69892	20580	LX	BBB

GREAT FLORIDA BANK (GVKEY 176065)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20050101	20071204	0	0	NU	XXX
20071205	99999999	92461	52879	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20050101	20071204	0	0	NR	XXX
20071205	99999999	92461	52879	LC	BBB

GRILL CONCEPTS INC (GVKEY 29346)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19931207	0	0	NU	XXX
19931208	99999999	79994	12647	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19930101	19931207	0	0	NR	XXX
19931208	20090317	79994	12647	LC	BBB
20090318	99999999	0	0	NR	XXX

IDEARC INC (GVKEY 175739)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20010101	20061119	0	0	NR	XXX
20061120	99999999	91576	51424	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20010101	20061119	0	0	NR	XXX
20061120	20081120	91576	51424	LC	BBB
20081121	99999999	0	0	NR	XXX

INVITEL HOLDINGS AS (GVKEY 26050)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19920101	19921227	0	0	NU	XXX
19921228	99999999	78157	11883	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19920101	19921227	0	0	NR	XXX
19921228	99999999	78157	11883	LC	BBB

ITERIS INC (GVKEY 8087)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800401	19810730	0	0	NR	XXX
19820129	19841031	66667	3333	LC	BBB
19810731	19841106	0	0	NR	XXX
19841107	20030723	67029	3333	LC	BBB
20030724	20041208	0	0	NR	XXX
20041209	99999999	67029	3333	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19800401	19810713	0	0	NR	XXX
19810714	19910930	66667	3333	LC	BBB
19911001	20030723	67029	3333	LC	BBB
20030724	20041208	0	0	NR	XXX
20041209	99999999	67029	3333	LC	BBB

JOHNSON CONTROLS INC (GVKEY 6268)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19651010	0	0	NU	XXX
19651011	99999999	42534	21019	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19500101	19651010	0	0	NR	XXX
19651011	99999999	42534	21019	LC	BBB

LORAL SPACE & COMMUNICATIONS (GVKEY 62640)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940401	19960429	0	0	NR	XXX
19960430	19960506	0	0	NU	XXX
19960507	20030715	83342	31623	LU	BBB
20030716	20051130	0	0	NR	XXX
20051208	99999999	91024	50000	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19940401	19960506	0	0	NR	XXX
19960507	20030715	83342	31623	LC	BBB
20030716	20051130	0	0	NR	XXX
20051208	99999999	91024	50000	LC	BBB

NESTOR INC (GVKEY 7817)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830701	19831221	0	0	NR	XXX
19831222	99999999	57104	6744	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830701	19831221	0	0	NR	XXX
19831222	19911219	57104	6744	LC	BBB
19911220	20050630	0	0	NR	XXX
20050701	20080430	57104	6744	LC	BBB

NOBLE CORP (GVKEY 11925)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	19850922	0	0	NU	XXX
19850923	99999999	90537	7752	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19850101	19850922	0	0	NR	XXX
19850923	99999999	90537	7752	LC	BBB

NORTHERN HEMISPHERE DEV CP (GVKEY 5583)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19840131	19920629	78302	26224	LC	BBB
19920630	99999999	0	0	NR	XXX
19830131	19840130	78302	26224	LX	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19830131	19830130	78302	26224	LN	BBB
19840131	19920629	78302	26224	LC	BBB
19920630	20090227	0	0	NR	XXX
19830131	19840130	78302	26224	LX	BBB
20090301	99999999	0	0	NR	XXX

02DIESEL CORP (GVKEY 143664)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20020101	20020130	0	0	NR	XXX
20020131	20040630	0	0	NU	XXX
20040701	99999999	90270	45391	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20020101	20040630	0	0	NR	XXX
20040701	20080425	90270	45391	LC	BBB
20080426	99999999	0	0	NR	XXX

PARENT CO (GVKEY 178593)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20040201	20071030	0	0	NU	XXX
20071031	99999999	90826	47180	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20040201	20071104	0	0	NR	XXX
20071105	99999999	90826	47180	LC	BBB

PREMD INC (GVKEY 139062)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980201	20000830	0	0	NU	XXX
20030917	99999999	89847	44392	LC	BBB
20000831	20030916	0	0	NU	XXX

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980201	20000830	0	0	NR	XXX
20030917	20080827	89847	44392	LC	BBB
20080828	20030916	0	0	NR	XXX

QSOUND LABS INC (GVKEY 15467)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19880101	19890427	0	0	NU	XXX
19890531	99999999	78694	26130	LU	BBB
19890428	19890530	78694	26130	LX	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19880101	19890119	0	0	NR	XXX
19890120	99999999	78694	26130	LC	BBB
19890428	19890530	78694	26130	LX	BBB

RENEGY HOLDINGS INC (GVKEY 178461)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20060101	20071030	0	0	NU	XXX
20071031	99999999	88830	41055	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20060101	20071030	0	0	NR	XXX
20071031	20090327	88830	41055	LC	BBB
20090328	99999999	0	0	NR	XXX

ROYAL BANK OF SCOTLAND GROUP (GVKEY 15634)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19851231	19891228	0	0	NU	XXX
19891229	20021231	0	0	NR	XXX
20071201	20071230	92355	28711	LN	BBB
20071231	20081128	92355	28711	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19851231	20021231	0	0	NR	XXX
20071201	99999999	92355	28711	LC	BBB

TRANSMERIDIAN EXPL INC (GVKEY 145956)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20020327	0	0	NR	XXX
20020328	20050320	0	0	NU	XXX
20050321	99999999	90629	46430	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20000101	20050320	0	0	NR	XXX
20050321	20081126	90629	46430	LC	BBB
20081127	99999999	0	0	NR	XXX

TYCO INTERNATIONAL LTD (GVKEY 10787)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19630601	19671113	0	0	NU	XXX
19671114	99999999	45356	21791	LU	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19630601	19671113	0	0	NR	XXX
19671114	99999999	45356	21791	LC	BBB

VERASUN ENERGY CORP (GVKEY 165731)

OLD:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20020101	20060613	0	0	NR	XXX
20060614	99999999	91322	50850	LC	BBB

NEW:

LINKDT	LINKENDDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
20020101	20060613	0	0	NR	XXX
20060614	20081031	91322	50850	LC	BBB
20081101	99999999	0	0	NR	XXX

VERMILLION INC (GVKEY 140042)

OLD:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19970101	20000928	0	0	NR	XXX
20000929	99999999	88620	39154	LC	BBB

NEW:

LINKDT	LINKENDT	PERMNO	PERMCO	LINKTYPE	LINKFLAG
19980101	20000928	0	0	NR	XXX
20000929	20080924	88620	39154	LC	BBB
20080925	99999999	0	0	NR	XXX