

Utility Billing

Utility Billing Data Dictionary

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UBACCT : CUSTOMER ACCOUNT FILE

No	Field Name	Type	Len	Dec	Description of field
1	AC_ACCT	C	10	0	ACCOUNT NUMBER (RIGHT JUSTIFIED)
2	AC_SUBACCT	C	10	0	SUBACCOUNT (LEFT JUSTIFIED)
3	AC_STAT	C	1	0	ACTIVE, INACTIVE, FINALBILL, TERMINATED
4	AC_LNAME	C	40	0	CUSTOMER LAST NAME
5	AC_FNAME	C	20	0	CUSTOMER FIRST NAME
6	AC_EXTNAME	C	3	0	EXTENSION NAME (JR/SR/III)
7	AC_BOOK	N	4	0	BOOK NUMBER - USED FOR METER READING
8	AC_SEQNO	N	5	0	READING SEQUENCE NUMBER WITHIN BOOK
9	AC_ADDRNO	C	10	0	STREET NUMBER
10	AC_ADDR1	C	30	0	STREET NAME
11	AC_ADDR2	C	30	0	SECOND ADDRESS LINE
12	AC_CITY	C	25	0	TOWN
13	AC_STATE	C	10	0	STATE
14	AC_ZIP	C	10	0	ZIP CODE
15	AC_CARCODE	C	4	0	CARRIER CODE
16	AC_PHONE	C	12	0	PHONE
17	AC_MADD1	C	30	0	MAILING ADDRESS (IF BLANK USE REGULAR)
18	AC_MADD2	C	30	0	MAILING ADDRESS2
19	AC_MCITY	C	25	0	MAILING CITY
20	AC_MSTATE	C	10	0	MAILING STATE
21	AC_MZIP	C	10	0	MAILING ZIP
22	AC_MCARCOD	C	4	0	MAILING ADDRESS CARRIER CODE
23	AC_LOCA	C	30	0	LOCATION OF SERVICE
24	AC_BEGIN	D	8	0	BEGINNING DATE OF SERVICE
25	AC_END	D	8	0	ENDING DATE OF SERVICE
26	AC_MISC	C	14	0	USER DEFINED MISCELLANEOUS FIELD
27	AC_DISCPCT	N	6	3	DISCOUNT %
28	AC_DISCDAY	N	2	0	DISCOUNT DAYS
29	AC_NETDAY	N	2	0	NET DAYS
30	AC_BILMIN	C	4	0	MINIMUM CHARGE FOR ENTIRE BILL
31	AC_BILCOM	C	6	0	COMBINED BILL COMMENT ID
32	AC_MINCHG1	C	4	0	MINIMUM CHARGES CODE FROM UBCODE
33	AC_SURCDE1	C	4	0	SURCHARGES CODE FROM UBCODE
34	AC_COMMID1	C	6	0	COMMENT ID
35	AC_TAXPCT1	N	6	3	TAX PERCENT FOR SERVICE 1
36	AC_BLDATE1	D	8	0	DATE OF LAST BILLING
37	AC_LSBILL1	N	12	2	AMOUNT OF LAST BILLING
38	AC_PYDATE1	D	8	0	DATE OF LAST PAYMENT
39	AC_LSPYMT1	N	12	2	AMOUNT OF LAST PAYMENT
40	AC_BALDUE1	N	12	2	CURRENT ACCOUNT BALANCE
41	AC_OPENCR1	N	12	2	OPEN CREDIT AMOUNT
42	AC_OPENDP1	N	12	2	OPEN DEPOSIT AMOUNT
43	AC_AGECUR1	N	12	2	CURRENT AMOUNT DUE
44	AC_AGE0301	N	12	2	30 DAYS OVERDUE
45	AC_AGE0601	N	12	2	60 DAYS OVERDUE
46	AC_AGE0901	N	12	2	90 DAYS OVERDUE
47	AC_AGE1201	N	12	2	120 DAYS OVERDUE
48	AC_MINCHG2	C	4	0	MINIMUM CHARGES CODE FROM UBCODE
49	AC_SURCDE2	C	4	0	SURCHARGES CODE FROM UBCODE
50	AC_COMMID2	C	6	0	COMMENT ID

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51	AC_TAXPCT2	N	6	3	TAX PERCENT FOR SERVICE 2
52	AC_BLDATE2	D	8	0	DATE OF LAST BILLING
53	AC_LSBILL2	N	12	2	AMOUNT OF LAST BILLING
54	AC_PYDATE2	D	8	0	DATE OF LAST PAYMENT
55	AC_LSPYMT2	N	12	2	AMOUNT OF LAST PAYMENT
56	AC_BALDUE2	N	12	2	CURRENT ACCOUNT BALANCE
57	AC_OPENCR2	N	12	2	OPEN CREDIT AMOUNT
58	AC_OPENDP2	N	12	2	OPEN DEPOSIT AMOUNT
59	AC_AGE0302	N	12	2	CURRENT AMOUNT DUE
60	AC_AGE0302	N	12	2	30 DAYS OVERDUE
61	AC_AGE0602	N	12	2	60 DAYS OVERDUE
62	AC_AGE0902	N	12	2	90 DAYS OVERDUE
63	AC_AGE1202	N	12	2	120 DAYS OVERDUE
64	AC_MINCHG3	C	4	0	MINIMUM CHARGES CODE FROM UBCODE
65	AC_SURCDE3	C	4	0	SURCHARGES CODE FROM UBCODE
66	AC_COMMID3	C	6	0	COMMENT ID
67	AC_TAXPCT3	N	6	3	TAX PERCENT FOR SERVICE 3
68	AC_BLDATE3	D	8	0	DATE OF LAST BILLING
69	AC_LSBILL3	N	12	2	AMOUNT OF LAST BILLING
70	AC_PYDATE3	D	8	0	DATE OF LAST PAYMENT
71	AC_LSPYMT3	N	12	2	AMOUNT OF LAST PAYMENT
72	AC_BALDUE3	N	12	2	CURRENT ACCOUNT BALANCE
73	AC_OPENCR3	N	12	2	OPEN CREDIT AMOUNT
74	AC_OPENDP3	N	12	2	OPEN DEPOSIT AMOUNT
75	AC_AGE0303	N	12	2	CURRENT AMOUNT DUE
76	AC_AGE0303	N	12	2	30 DAYS OVERDUE
77	AC_AGE0603	N	12	2	60 DAYS OVERDUE
78	AC_AGE0903	N	12	2	90 DAYS OVERDUE
79	AC_AGE1203	N	12	2	120 DAYS OVERDUE
80	AC_MINCHG4	C	4	0	MINIMUM CHARGES CODE FROM UBCODE
81	AC_SURCDE4	C	4	0	SURCHARGES CODE FROM UBCODE
82	AC_COMMID4	C	6	0	COMMENT ID
83	AC_TAXPCT4	N	6	3	TAX PERCENT FOR SERVICE 4
84	AC_BLDATE4	D	8	0	DATE OF LAST BILLING
85	AC_LSBILL4	N	12	2	AMOUNT OF LAST BILLING
86	AC_PYDATE4	D	8	0	DATE OF LAST PAYMENT
87	AC_LSPYMT4	N	12	2	AMOUNT OF LAST PAYMENT
88	AC_BALDUE4	N	12	2	CURRENT ACCOUNT BALANCE
89	AC_OPENCR4	N	12	2	OPEN CREDIT AMOUNT
90	AC_OPENDP4	N	12	2	OPEN DEPOSIT AMOUNT
91	AC_AGE0304	N	12	2	CURRENT AMOUNT DUE
92	AC_AGE0304	N	12	2	30 DAYS OVERDUE
93	AC_AGE0604	N	12	2	60 DAYS OVERDUE
94	AC_AGE0904	N	12	2	90 DAYS OVERDUE
95	AC_AGE1204	N	12	2	120 DAYS OVERDUE
96	AC_AGREE	M	0	0	MEMO FIELD FOR NOTES
97	AC_NOTES1	C	60	0	NOTES FIELD 1
98	AC_NOTES2	C	60	0	NOTES FIELD 2
99	AC_NOTES3	C	60	0	NOTES FIELD 3
100	AC_NOTES4	C	60	0	NOTES FIELD 4
101	AC_NOTES5	C	60	0	NOTES FIELD 5
102	AC_NOTES6	C	60	0	NOTES FIELD 6
103	AC_NOTES7	C	60	0	NOTES FIELD 7
104	AC_NOTES8	C	60	0	NOTES FIELD 8
105	AC_NEW	C	1	0	NEW CUSTOMER FLAG
106	AC_PENEXMP	C	1	0	ACCOUNT EXEMPT FROM PENALTY (Y/N)
107	AC_OLDACCT	C	10	0	ACCOUNT NUMBER BEFORE 5.5V CONVERSION

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108	AC_OLDSUB	C	10	0	SUB NUMBER BEFORE 5.5V CONVERSION
109	AC_DEL	C	1	0	DELETION FLAG ("*" = REUSABLE)
110	AC_NETSTAM	N	2	0	NETWORK STAMP

TOTAL LENGTH OF ALL 110 FIELDS = 1542

Related Indexes

UBACCT : AC_DEL+AC_ACCT+AC_SUBACCT
UBACNM : UPPE(AC_LNAME+AC_FNAME)
UBACBK : STR(AC_BOOK,4,0)+STR(AC_SEQNO,5,0)
UBACAD : UPPER(LEFT(AC_ADDR1,15)+AC_ADDRNO)
UBACLO : UPPE(AC_LOCA)+UPPE(AC_LNAME+AC_FNAME)

Additional Information

Related files: UBRATE contains one Record per Rate Charge for this account
UBMETR contains one record per meter for this account

Utility Billing

UBBOOK : KEEPS TRACK OF BOOKS

No	Field Name	Type	Len	Dec	Description of field
1	B_BOOK	N	4	0	BOOK NUMBER
2	B_DESC	C	40	0	USERS DESCRIPTION OF BOOK
3	B_BILLS	N	1	0	NUMBER OF BILLS FOR THIS BOOK
4	B_NETSTAMP	N	2	0	NETWORK STAMP
5	B_DELFLAG	C	1	0	'*' IF REUSABLE
6	B_CALCFLAG	C	1	0	'*' IF SOMEONE IS CALCULATING BILLS
7	B_PRINTFLG	C	1	0	'*' IF SOMEONE IS PRINTING BILLS
8	B_LASTROLL	D	8	0	DATE OF LAST METER ROLL
9	B_READFLAG	C	1	0	'*' IF SOMEONE IS DOING READINGS

TOTAL LENGTH OF ALL 9 FIELDS = 59

Related Indexes

UBBOOK : B_DELFLAG+STR(B_BOOK,4,0)

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UBCODE : BILLING CODE FILE

No	Field Name	Type	Len	Dec	Description of field
1	RC_CODE	C	4	0	RATE CODE
2	RC_TYPE	C	1	0	FIXED, ONETIME, METER, VARIMETER, STEPMETER
3	RC_METHOD	C	1	0	STANDARD, AVERAGED OR CUSTOM
4	RC_SERVICE	C	1	0	SERVICE <1-4>
5	RC_UNIT	C	1	0	GALLONS, HUNDRED, CUFEET, CUMETER, LITER
6	RC_CUSTCD	C	2	0	CUSTOM CALCULATION CODE
7	RC_DESC	C	40	0	RATE DESCRIPTION
8	RC_OFFPEAK	N	11	6	NORMAL CHARGE
9	RC_PEAK	N	11	6	PEAK SEASON CHARGE
10	RC_DATE1	C	5	0	BEGINNING OF PEAK SEASON (MM/DD)
11	RC_DATE2	C	5	0	ENDING OF PEAK SEASON (MM/DD)
12	RC_VLOWER	N	12	2	VARIABLE RATE LOWER BOUND (>=)
13	RC_MINCHG	N	9	2	MINIMUM CHARGE FOR THIS RATE
14	RC_MINUSE	N	9	0	MINIMUM USAGE ON METERED RATES
15	RC_BASE	N	9	2	BASE CHARGE FOR VARI & STEPPED RATES
16	RC_BCUSTCD	C	2	0	CUSTOM BASE CALCULATION CODE
17	RC_DEL	C	1	0	DELETION FLAG ("*" = REUSABLE)
18	RC_NETSTAM	N	2	0	NETWORK STAMP

TOTAL LENGTH OF ALL 18 FIELDS = 126

Related Indexes

UBCODE : RC_DEL+RC_CODE+UBDESC (STR(RC_VLOWER,12,2))
UBCDLK : RC_DEL+RC_CODE

Additional Information

Seasonal rates indicated by presence of dates in Rc_date1 & Rc_date2
One record must exist for each range within a variable rate. Range >= Vlower

Utility Billing

UBCOMM : COMMENT FILE

No	Field Name	Type	Len	Dec	Description of field
1	C_ID	C	6	0	COMMENT ID
2	C_SEQ	C	1	0	LINE NUMBER '0' - '9'
3	C_COMMENT	C	60	0	COMMENT LINE
4	C_DELFLAG	C	1	0	DELETE FLAG ("*" = REUSABLE)

TOTAL LENGTH OF ALL 4 FIELDS = 68

Related Indexes

UBCOMM : C_DELFLAG+C_ID+C_SEQ

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UBCRSS : CROSS LINK FILE FOR GANGED METERS

No	Field Name	Type	Len	Dec	Description of field
1	X_TOACCT	C	10	0	ACCOUNT (RIGHT JUSTIFIED)
2	X_TOSUB	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED)
3	X_TOMETER	C	12	0	THE METER NUMBER WE ARE GANGING TO
4	X_FRMACCT	C	10	0	ACCOUNT (RIGHT JUSTIFIED) FROM ACCOUNT
5	X_FRMSUB	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED) FROM ACCT
6	X_FRMMETER	C	12	0	METER THAT HAS THE READING WE WANT
7	X_ADDSUB	C	1	0	+, - HOW THIS METER WILL AFFECT GANG
8	X_DEL	C	1	0	"*" IF REUSEABLE
9	X_NETSTAMP	N	2	0	NETWORK STAMP

TOTAL LENGTH OF ALL 9 FIELDS = 68

Related Indexes

UBCRSS : X_DEL+X_TOACCT+X_TOSUB+X_TOMETER

Additional Information

This file maintains the account and subaccounts and meter numbers of cross links between GANGED meters. This file allows us to GANG meters across different accounts. This cross link can either affect the GANG positively or negatively based upon the X_ADDSUB field.

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UBDIST : GENERAL LEDGER DISTRIBUTION FILE

No	Field Name	Type	Len	Dec	Description of field
1	D_ACCT	C	25	0	G/L ACCOUNT
2	D_DATE	D	8	0	TRANSACTION DATE (CHECK DATE)
3	D_BATCH	C	3	0	BATCH NUMBER
4	D_AMT	N	11	2	ACTUAL AMOUNT
5	D_POSTED	C	1	0	POSTED TO G/L ? (YN)
6	D_DEFLAG	C	1	0	DELETE FLAG (*)

TOTAL LENGTH OF ALL 6 FIELDS = 49

Related Indexes

UBDBAT : D_DEFLAG+D_BATCH+D_ACCT+DTOS(D_DATE)
UBDIST : D_DEFLAG+D_ACCT+DTOS(D_DATE)+D_POSTED

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UBHMTR : VERTICAL HISTORY METER READING FILE

No	Field Name	Type	Len	Dec	Description of field
1	ME_ACCT	C	10	0	ACCOUNT
2	ME_SUBACCT	C	10	0	SUB-ACCOUNT
3	ME_NUMBER	C	12	0	METER NUMBER
4	ME_R01	N	9	0	READING OF THE METER
5	ME_D01	D	8	0	DATE OF THE METER READING
6	ME_M01	C	30	0	METER READING COMMENT
7	ME_DEL	C	1	0	"*" IF REUSEABLE
8	ME_S01	C	6	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING
9	ME_UNIT	C	1	0	GALLONS, HUNDRED, CUFEET, CUMETER, LITER

TOTAL LENGTH OF ALL 9 FIELDS = 87

Related Indexes

UBHMTR : ME_DEL+ME_ACCT+ME_SUBACCT+ME_S01

Utility Billing

UBMAST : BILLING MASTER FILE

No	Field Name	Type	Len	Dec	Description of field
1	M_ACCT	C	10	0	ACCOUNT (RIGHT JUSTIFIED)
2	M_SUBACCT	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED)
3	M_SEQNO	C	7	0	BILLING SEQUENCE NUMBER (SYSTEM ASSIGNED)
4	M_BSTART	D	8	0	START OF BILLING PERIOD
5	M_BEND	D	8	0	END OF BILLING PERIOD
6	M_DUEDATE	D	8	0	DUE DATE
7	M_SERVICE	C	1	0	SERVICE FOR THIS BILL ("*"=MIXED)
8	M_BOOK	N	4	0	BOOK THIS BILL BELONGS TO
9	M_REFNO	C	8	0	PAYMENT REFERENCE (CHECK NUMBER)
10	M_B SVC1	N	12	2	BILLING FOR SERVICE 1 (INCLUDES TAX)
11	M_B SVC2	N	12	2	BILLING FOR SERVICE 2 (INCLUDES TAX)
12	M_B SVC3	N	12	2	BILLING FOR SERVICE 3 (INCLUDES TAX)
13	M_B SVC4	N	12	2	BILLING FOR SERVICE 4 (INCLUDES TAX)
14	M_BTAX1	N	9	2	TAX FOR SERVICE 1
15	M_BTAX2	N	9	2	TAX FOR SERVICE 2
16	M_BTAX3	N	9	2	TAX FOR SERVICE 3
17	M_BTAX4	N	9	2	TAX FOR SERVICE 4
18	M_P SVC1	N	12	2	PAID FOR SERVICE 1
19	M_P SVC2	N	12	2	PAID FOR SERVICE 2
20	M_P SVC3	N	12	2	PAID FOR SERVICE 3
21	M_P SVC4	N	12	2	PAID FOR SERVICE 4
22	M_PTAX1	N	9	2	PAID TAX FOR SERVICE 1
23	M_PTAX2	N	9	2	PAID TAX FOR SERVICE 2
24	M_PTAX3	N	9	2	PAID TAX FOR SERVICE 3
25	M_PTAX4	N	9	2	PAID TAX FOR SERVICE 4
26	M_PRTID	C	1	0	BLANK = NOT PRINTED, 'P' = PRINTED
27	M_STATUS	C	1	0	BLANK = OPEN, VOIDED, CLOSED
28	M_INTCALC	C	4	0	INTEREST CALCULATED?
29	M_PENCALC	C	4	0	PENALTY CALCULATED?
30	M_DELFLAG	C	1	0	DELETE FLAG ("*"=REUSABLE)
31	M_NETSTAMP	N	2	0	NETWORK STAMP

TOTAL LENGTH OF ALL 31 FIELDS = 245

Related Indexes

UBMLKP : M_SEQNO

UBMWRK : M_PRTID+M_SERVICE+STR(M_BOOK,4,0)+M_ACCT+M_SUBACCT

UBMAST : M_DELFLAG+M_ACCT+M_SUBACCT+M_SEQNO

Additional Information

The UBTRAX file contains detail lines for this bill

Calculated Bills: if EMPTY(M_Prtid) this bill is NOT part of the Account Bal Interest, Penalty, Misc Bills update the Account Bal when posted.

The bill printing procedure marks as printed (M_prtid='P') and updates the Account bal for Calculated Bills.

Balance = (M_bsvc1+M_bsvc2+M_bsvc3+M_bsvc4) -
(M_psvc1+M_psvc2+M_psvc3+M_psvc4)

NEMRC

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M_seqno: First char: M = Misc bill C = CreditMemo D = DebitMemo I = Interest
P = Penalty T = Deposit Any digit = Calculated bill
M_seqno: Last char for calculated bill indicates payment number(1-4)
M_intcalc & M_pencalc : positions filled with "Y" based on service calculated
M_cycle: 1,1 = Cycle ("M"onth, "Q"uarter, "S"emiAnnual, "A"nnual)
2,1 = sub-cycle any char
Tax Field Amounts are NOT in addition to the amounts in M_bsvc# or M_psvc#
Tax Amounts are contained within the M_bsvc# and M_psvc#.

Utility Billing

UBMETR : METER READINGS

No	Field Name	Type	Len	Dec	Description of field
1	ME_ACCT	C	10	0	ACCOUNT (RIGHT JUSTIFIED)
2	ME_SUBACCT	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED)
3	ME_NUMBER	C	12	0	METER NUMBER (RIGHT JUSTIFIED)
4	ME_LOCA	C	30	0	PHYSICAL LOCATION OF THE METER
5	ME_TOUCH	C	1	0	"Y" = TEST
6	ME_MXU	C	15	0	MXU NUMBER
7	ME_LAT	N	11	1	LOCATION LATITUDE
8	ME_LONG	N	11	1	LOCATION LONGITUDE
9	ME_DIALS	N	1	0	NUMBER OF DIALS
10	ME_SIZE	C	10	0	SIZE OF METER
11	ME_MANU	C	10	0	MANUFACTURER
12	ME_GANGED	C	12	0	GANGED TO METER NUMBER "GANGED123456"
13	ME_ADDSUB	C	1	0	+, - HOW THIS METER WILL AFFECT THE GANG
14	ME_SERIAL	C	16	0	METER SERIAL NUMBER
15	ME_TYPE	C	4	0	METER TYPE - USER DEFINED
16	ME_UNIT	C	1	0	GALLONS, HUNDRED, CUFEET, CUMETER, LITER
17	ME_INSTAL	D	8	0	DATE OF INSTALLATION
18	ME_ON	D	8	0	DATE TURNED ON
19	ME_OFF	D	8	0	DATE TURNED OFF
20	ME_MISC1	C	5	0	MISC. FIELD ADDED FOR FUTURE USE
21	ME_MISC2	C	5	0	MISC. FIELD ADDED FOR FUTURE USE
22	ME_R01	N	9	0	CURRENT READING / PREVIOUS READING 01
23	ME_R02	N	9	0	PREVIOUS READING 02
24	ME_R03	N	9	0	PREVIOUS READING 03
25	ME_R04	N	9	0	PREVIOUS READING 04
26	ME_R05	N	9	0	PREVIOUS READING 05
27	ME_R06	N	9	0	PREVIOUS READING 06
28	ME_R07	N	9	0	PREVIOUS READING 07
29	ME_R08	N	9	0	PREVIOUS READING 08
30	ME_R09	N	9	0	PREVIOUS READING 09
31	ME_R10	N	9	0	PREVIOUS READING 10
32	ME_R11	N	9	0	PREVIOUS READING 11
33	ME_R12	N	9	0	PREVIOUS READING 12
34	ME_R13	N	9	0	PREVIOUS READING 13
35	ME_R14	N	9	0	PREVIOUS READING 14
36	ME_AVE1_12	N	9	0	AVERAGE OF METER READINGS 1-12
37	ME_D01	D	8	0	DATE OF CURRENT READING/PREVIOUS READING
38	ME_D02	D	8	0	DATE OF PREVIOUS READING 02
39	ME_D03	D	8	0	DATE OF PREVIOUS READING 03
40	ME_D04	D	8	0	DATE OF PREVIOUS READING 04
41	ME_D05	D	8	0	DATE OF PREVIOUS READING 05
42	ME_D06	D	8	0	DATE OF PREVIOUS READING 06
43	ME_D07	D	8	0	DATE OF PREVIOUS READING 07
44	ME_D08	D	8	0	DATE OF PREVIOUS READING 08
45	ME_D09	D	8	0	DATE OF PREVIOUS READING 09
46	ME_D10	D	8	0	DATE OF PREVIOUS READING 10
47	ME_D11	D	8	0	DATE OF PREVIOUS READING 11
48	ME_D12	D	8	0	DATE OF PREVIOUS READING 12
49	ME_D13	D	8	0	DATE OF PREVIOUS READING 13

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50	ME_D14	D	8	0	DATE OF PREVIOUS READING 14
51	ME_M01	C	30	0	COMMENTS FOR READING 01
52	ME_M02	C	30	0	COMMENTS FOR READING 02
53	ME_M03	C	30	0	COMMENTS FOR READING 03
54	ME_M04	C	30	0	COMMENTS FOR READING 04
55	ME_M05	C	30	0	COMMENTS FOR READING 05
56	ME_M06	C	30	0	COMMENTS FOR READING 06
57	ME_M07	C	30	0	COMMENTS FOR READING 07
58	ME_M08	C	30	0	COMMENTS FOR READING 08
59	ME_M09	C	30	0	COMMENTS FOR READING 09
60	ME_M10	C	30	0	COMMENTS FOR READING 10
61	ME_M11	C	30	0	COMMENTS FOR READING 11
62	ME_M12	C	30	0	COMMENTS FOR READING 12
63	ME_M13	C	30	0	COMMENTS FOR READING 13
64	ME_M14	C	30	0	COMMENTS FOR READING 14
65	ME_S01	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 01
66	ME_S02	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 02
67	ME_S03	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 03
68	ME_S04	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 04
69	ME_S05	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 05
70	ME_S06	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 06
71	ME_S07	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 07
72	ME_S08	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 08
73	ME_S09	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 09
74	ME_S10	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 10
75	ME_S11	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 11
76	ME_S12	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 12
77	ME_S13	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 13
78	ME_S14	C	7	0	MASTER SEQUENCE # FOR BACKWARDS TRACKING 14
79	ME_DEL	C	1	0	DELETION FLAG ("*" = REUSABLE)
80	ME_NETSTAM	N	2	0	NETWORK STAMP

TOTAL LENGTH OF ALL 80 FIELDS = 957

Related Indexes

UBMETR : ME_DEL+ME_ACCT+ME_SUBACCT+ME_NUMBER

Additional Information

Consumption is calculated as follows:

consumption = CurrentReading - PreviousReading

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```
IF consumption <= 0.00 .AND. CurrentReading > 0.00    &&Rollover occurred
    Consumption =
        consumption+VAL(REPL("9", LEN(LTRIM(STR(PreviousReading)))))+1
ENDIF

Consumption in Gallons = consumption * multiplier
multipliers: Gallons = 1, teNg = 10, Hunds = 100, Tgals = 1000, CuFt = 7.841
             hcFt = 784.10, 4 = 1.4, others
```

Utility Billing

UBRATE : BILLING RATES

No	Field Name	Type	Len	Dec	Description of field
1	RA_ACCT	C	10	0	ACCOUNT (RIGHT JUSTIFIED)
2	RA_SUBACCT	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED)
3	RA_STAT	C	1	0	ACTIVE, INACTIVE, FINALBILL, TERMINATED
4	RA_CLCSTAT	C	1	0	CALCULATED STATUS "N"EEDS ROLL "C"ALCULATED " " = READY TO CALCULATE AND/OR ENTER READINGS
5	RA_SERVICE	C	1	0	SERVICE (WATER, SEWER, ...)
6	RA_CODE	C	4	0	UBCODE->RATE CODE
7	RA_UNITS	N	10	2	UNITS
8	RA_METERNO	C	12	0	METER NUMBER FOR SIMPLE&VARIABLE CHARGES
9	RA_DEL	C	1	0	DELETION FLAG ("*" = REUSABLE)
10	RA_NETSTAM	N	2	0	NETWORK STAMP
11	RA_BOOK	N	4	0	BOOK ASSOCIATED WITH THIS ACCOUNT RATE

TOTAL LENGTH OF ALL 11 FIELDS = 56

Related Indexes

UBRTCY : RA_CLCSTAT+STR(RA_BOOK, 4, 0)+RA_ACCT+RA_SUBACCT+RA_SERVICE
UBRATE : RA_DEL+RA_ACCT+RA_SUBACCT+RA_CODE+RA_SERVICE

Utility Billing

UBSYST : UTILITY BILLING SYSTEM FILE

No	Field Name	Type	Len	Dec	Description of field
1	DACCTLEN	N	2	0	LENGTH OF ACCOUNT NUMBER (1-8)
2	DSUBLEN	N	2	0	LENGTH OF SUBACCOUNT NUMBER (1-5)
3	SERVICES	C	4	0	SERVICE CODES (WATER, SEWER, ...)
4	SVCDESC	C	60	0	SERVICE CODE DESCRIPTION (15 CHARS)
5	S_BLFORM	C	2	0	BILL FORM SELECT
6	S_COMMID	C	6	0	SYSTEM-WIDE BILLING COMMENT ID
7	S_GLLINK	C	1	0	LINK TO G/L? (Y/N)
8	S_GLCOMP	C	2	0	G/L COMPANY TO LINK TO
9	S_GLNXTBAT	N	3	0	NEXT G/L BATCH NUMBER FOR POSTING
10	S_NEXTBILL	N	8	0	NEXT BILL NUMBER
11	S_GLMETHOD	C	1	0	"A"CCRUAL / "C"ASH
12	S_ASKXFER	C	1	0	"A"CCRUAL / "C"ASH
13	S_NXTSEQN	N	6	0	NEXT MAST/TRAX SEQUENCE NUMBER
14	S_MEMOSEQN	N	4	0	NEXT CREDIT MEMO SEQUENCE NUMBER
15	S_CASHSEQN	N	5	0	NEXT CASH SEQUENCE NUMBER
16	S_LSTREMIT	C	5	0	LAST REMITTANCE NUMBER USED
17	S_ADD2RMT	C	1	0	AUTOMATICALLY ADVANCE REMITTANCET NUMBER AFTER GL TRANSFER? (Y/N)
18	S_INTPCT	N	6	3	INTEREST PERCENT
19	S_PENPCT	N	6	3	PENALTY PERCENT
20	S_USEDISC	C	1	0	USE DISCOUNTS (Y/N)
21	S_DFLTPAID	C	1	0	DEFAULT THE AMOUNT PAID IN CASH RECEIPTS
22	S_CHKDEF	C	8	0	CHECK NUMBER DEFAULT FOR CASH SCREEN
23	S_CASHORD	C	5	0	PENALTY, INTEREST, BILL, DEBITMEMO, CREDITM
24	S_MOVECRED	C	1	0	MOVE CREDITS AROUND SERVICES AUTO
25	S_DEPOSITS	C	1	0	USE DEPOSITS? (Y/N)
26	S_PERIOD	N	2	0	CURRENT PERIOD
27	S_AGEDATE	D	8	0	DATE TO BASE ALL AGING ON
28	S_METRUNIT	C	1	0	DEFAULT METERED UNIT
29	S_VARI	N	2	0	PERCENT VARIANCE ALLOWED IN READINGS
30	S_DIALS	N	1	0	DEFAULT NUMBER OF DIALS ON A METER
31	S_YEAR	N	4	0	CURRENT YEAR
32	S_GLCASH	C	25	0	G/L CASH ACCOUNT
33	S_GLAR	C	25	0	G/L ACCOUNTS RECEIVABLE NUMBER
34	S_GLAR1	C	25	0	G/L ACCOUNTS RECEIVABLE NUMBER SVC 1
35	S_GLAR2	C	25	0	G/L ACCOUNTS RECEIVABLE NUMBER SVC 2
36	S_GLAR3	C	25	0	G/L ACCOUNTS RECEIVABLE NUMBER SVC 3
37	S_GLAR4	C	25	0	G/L ACCOUNTS RECEIVABLE NUMBER SVC 4
38	S_DUETO	C	25	0	G/L DUE TO FUNDS
39	S_DUEFROM	C	25	0	G/L DUE FROM FUNDS
40	S_GLCREDIT	C	25	0	G/L CREDIT ACCOUNT
41	S_GLCRED1	C	25	0	G/L CREDIT ACCOUNT SVC 1
42	S_GLCRED2	C	25	0	G/L CREDIT ACCOUNT SVC 2
43	S_GLCRED3	C	25	0	G/L CREDIT ACCOUNT SVC 3
44	S_GLCRED4	C	25	0	G/L CREDIT ACCOUNT SVC 4
45	S_GLDEPO	C	25	0	G/L DEPOSIT ACOOUNT 0
46	S_GLDEPO1	C	25	0	G/L DEPOSIT ACOOUNT SVC 01
47	S_GLDEPO2	C	25	0	G/L DEPOSIT ACOOUNT SVC 02
48	S_GLDEPO3	C	25	0	G/L DEPOSIT ACOOUNT SVC 03

Utility Billing

49	S_GLDEPO4	C	25	0	G/L DEPOSIT ACOOUNT SVC 04
50	S_GLDISC	C	25	0	G/L DISCOUNT ACCOUNT
51	S_GLREV1	C	25	0	G/L REVENUE ACCOUNT FOR SERVICE 1
52	S_GLREV2	C	25	0	G/L REVENUE ACCOUNT FOR SERVICE 2
53	S_GLREV3	C	25	0	G/L REVENUE ACCOUNT FOR SERVICE 3
54	S_GLREV4	C	25	0	G/L REVENUE ACCOUNT FOR SERVICE 4
55	S_GLINT1	C	25	0	G/L INTEREST ACCOUNT FOR SERVICE 1
56	S_GLINT2	C	25	0	G/L INTEREST ACCOUNT FOR SERVICE 2
57	S_GLINT3	C	25	0	G/L INTEREST ACCOUNT FOR SERVICE 3
58	S_GLINT4	C	25	0	G/L INTEREST ACCOUNT FOR SERVICE 4
59	S_GLPEN1	C	25	0	G/L PENALTY ACCOUNT FOR SERVICE 1
60	S_GLPEN2	C	25	0	G/L PENALTY ACCOUNT FOR SERVICE 2
61	S_GLPEN3	C	25	0	G/L PENALTY ACCOUNT FOR SERVICE 3
62	S_GLPEN4	C	25	0	G/L PENALTY ACCOUNT FOR SERVICE 4
63	S_GLTAX1	C	25	0	TAX ACCOUNT FOR SERVICE 1
64	S_GLTAX2	C	25	0	TAX ACCOUNT FOR SERVICE 2
65	S_GLTAX3	C	25	0	TAX ACCOUNT FOR SERVICE 3
66	S_GLTAX4	C	25	0	TAX ACCOUNT FOR SERVICE 4
67	S_F05	C	30	0	FUNCTION KEY F5
68	S_F06	C	30	0	FUNCTION KEY F6
69	S_F07	C	30	0	FUNCTION KEY F7
70	S_F08	C	30	0	FUNCTION KEY F8
71	S_F09	C	30	0	FUNCTION KEY F9
72	S_F10	C	30	0	FUNCTION KEY F10
73	S_F11	C	30	0	FUNCTION KEY F11
74	S_F12	C	30	0	FUNCTION KEY F12
75	S_JANUARY	N	2	0	JAN IS WHAT PERIOD FOR UPPER LEFT CORNER
76	S_INTDATE	D	8	0	DATE OF LAST INTEREST CALCULATION
77	S_CLODATE	D	8	0	DATE OF LAST PERIOD CLOSE
78	S_SYSTEM	C	8	0	HOLDS VERSION UPGRADE PROBLEM CODE
79	S_NETSTAMP	N	2	0	
80	S_DELFLAG	C	1	0	'*' IF REUSEABLE
81	S_VERSION	C	4	0	NEMRC EXECUTABLE THAT MATCHES DATA
82	S_OLDVER	C	4	0	PREVIOUS INSTALLED VERSION OF THE MODULE
83	S_UPVER	D	8	0	DATE THE NEW VERSION WAS INSTALLED

TOTAL LENGTH OF ALL 83 FIELDS = 1320

Utility Billing

UBTRAX : TRANSACTION FILE

No	Field Name	Type	Len	Dec	Description of field
1	TR_ACCT	C	10	0	ACCOUNT NUMBER (RIGHT JUSTIFIED)
2	TR_SUBACCT	C	10	0	SUBACCOUNT (RIGHT JUSTIFIED)
3	TR_SEQNO	C	7	0	BILLING SEQUENCE NUMBER (SYSTEM ASSIGNED)
4	TR_TYPE	C	2	0	TRANSACTION TYPE*
5	TR_SERVICE	C	1	0	SERVICE
6	TR_DATE	D	8	0	TRANSACTION DATE*
7	TR_UNITS	N	12	2	UNITS
8	TR_RATE	N	12	7	RATE
9	TR_AMOUNT	N	12	2	AMOUNT
10	TR_MISC	C	30	0	MISCELLANEOUS INFORMATION*
11	TR_PRTID	C	1	0	BLANK = NOT PRINTED, 'P' = PRINTED
12	TR_BATCH	C	3	0	GL BATCH NUMBER
13	TR_DEBIT	C	25	0	ACCOUNT DEBITED
14	TR_CREDIT	C	25	0	ACCOUNT CREDITED
15	TR_TRSDES	C	25	0	DESCRIPTION GIVEN DURING TRANSFER
16	TR_DEL	C	1	0	DELETION FLAG ("*" = REUSABLE)

TOTAL LENGTH OF ALL 16 FIELDS = 184

Related Indexes

UBTRAX : TR_DEL+TR_ACCT+TR_SUBACCT+TR_SEQNO+DTOS (TR_DATE)
 UBTRDT : TR_ACCT+TR_SUBACCT+DTOS (TR_DATE) +TR_SEQNO
 UBTRDA : DTOS (TR_DATE)

Additional Information

Tr_type:

RF:Flat,RO:Onetime,RM:Meter,RV:VariMeter,RS:StepMeter,MC:MinCharge
 IN:Interest,PN:Penalty,CA:CashRcpt,AC:ApplCred,DT:DiscTaken,CM:CredMemo
 CU:CredUsed,DM:DebitMemo,DA:DbApplied,MI:MiscChrg,AD:Adjustment

Tr_type	Tr_misc	Tr_date
RF,RO	1,4=Rate/5,2=Cycle	Billdate
RM,RV,RS	1,4=Rate/5,2=Cycle/7,1=UofM/8,12=Meter/20,6=Units	Billdate
MC: MinCharg	1,4=Rate	Billdate
CA,CM,DM,DA	1,5=UBCASH->Ca_seqno/6,8=Check#/14,5=Remit#	Checkdate
AC,CU,DT		Date applied
IN,PN	1,8=UBMAST->M_duedate/9,6=UBMAST->M_seqno	Date Calc'd
MI,AD	Description of charge	Billdate

Tr_units: IN&PN:Basis for Calculation, RM,RV,RS:Consumption in GALLONS!
 Additional Tr_type: DP:Deposit, DR:Deposit Refund, DU:Deposit Used, TX:Tax
 CX:Cash Applied to Tax AX:Applied Credit to Tax DX:Debit Applied to Tax
 RX:Deposit applied to Tax

Utility Billing

UBX2GL : UTILITY BILLING TRANSFER TO G/L FILE

No	Field Name	Type	Len	Dec	Description of field
1	TRSACTION	C	25	0	ACCOUNT NUMBER
2	TRSDDES	C	25	0	TRANSACTION DESCRIPTION
3	TRSREF	C	12	0	REFERENCE NUMBER
4	TRSDATE	D	8	0	TRANSACTION DATE
5	TRSAMT	N	15	2	AMOUNT
6	TRSID	C	1	0	0=SPECIAL,1=POSTING,2=REFERENCE
7	TRSMODU	C	2	0	MODULE THAT GENERATED THIS POSTING
8	TRSCOMPID	C	2	0	COMPANY ID THAT GENERATED THIS POSTING
9	TRSTYPE	C	1	0	TRANSACTION TYPE (SEE BELOW)
10	TRSPD	C	2	0	G/L PERIOD OF POSTING
11	TRSDDELFLAG	C	1	0	

TOTAL LENGTH OF ALL 11 FIELDS = 94