

Oracle Utilities Customer To Meter

Database Changes Guide

Release 2.8.0.0.0

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Oracle Utilities CustomerTo Meter 2.8.0.0.0 Database Changes Guide

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Chapter 1

Introduction

This document describes changes in the Oracle Utilities Customer To Meter database for this release. This includes:

- [Customer Care and Billing Database Changes](#)
- [Meter Data Management Database Changes](#)
- [Work and Asset Management Database Changes](#)
- [Application Framework Database Changes](#)

Chapter 2

Customer Care and Billing Database Changes

This chapter provides lists of database changes in the 2.8.0.0.0 release of Oracle Utilities Customer Care and Billing included with the 2.8.0.0.0 release of Oracle Utilities Customer To Meter. It includes:

- [New Tables](#)
- [New Indexes](#)
- [Modified Indexes](#)
- [New Views](#)
- [New Columns](#)
- [Column Format Changes](#)

New Tables

Table_Name
C1_BI_SA_SNAPSHOT
C1_CS_REQ_SA
C1_CS_REQ_SA_CHAR
C1_CS_REQ_SA_CONTERM
C1_CS_REQ_SA_CONT_QTY
C1_CS_REQ_SA_COP
C1_CS_REQ_SA_COP_OVRD
C1_CS_REQ_SA_K
C1_CS_REQ_SA_LOG
C1_CS_REQ_SA_LOG_PARM
C1_CS_REQ_SA_MSG
C1_CS_REQ_SA_RCHG
C1_CS_REQ_SA_RS
C1_CS_REQ_SA_SP
C1_CS_REQ_SA_SP_CHAR
C1_CS_REQ_SA_SP_FA
C1_CS_REQ_SA_SP_K
C1_CS_REQ_SA_TOU_CONT_VAL
C1_CS_REQ_TYPE_ALG
C1_CS_REQ_TYPE_ALG_CUST_CL
C1_CS_REQ_TYPE_ALG_PER_BUS
C1_CS_REQ_TYPE_CUST_CL
C1_CS_REQ_TYPE_PER_BUS
C1_MKT_PROV_CONFIG_OPT
C1_MKT_PROV_CONFIG_OPT_L
C1_PROV_CONFIG_OPT
C1_PROV_CONFIG_OPT_L
C1_PROV_CONFIG_SATY
C1_PROV_CONFIG_SATY_OVRD
C1_SPR_MKT_OPT

Table_Name
C1_SPR_MKT_OPT_SA
CI_SPR_CHAR

New Indexes

Table_Name	Index_Name
C1_BI_SA_SNAPSHOT	C1M020P0
C1_BI_SA_SNAPSHOT	C1M020S1
C1_BI_SA_SNAPSHOT	C1M020S2
C1_BI_SA_SNAPSHOT	C1M020S3
C1_BI_SA_SNAPSHOT	C1M020S4
CI_BCHG_UP_READ	XT270S1
C1_CS_REQ_SA	C1T141P0
C1_CS_REQ_SA	C1T141S1
C1_CS_REQ_SA_CHAR	C1T143P0
C1_CS_REQ_SA_CHAR	C1T143S1
C1_CS_REQ_SA_CONTERM	C1T151P0
C1_CS_REQ_SA_CONT_QTY	C1T149P0
C1_CS_REQ_SA_COP	C1T153P0
C1_CS_REQ_SA_COP_OVRD	C1T154P0
C1_CS_REQ_SA_K	C1T142P0
C1_CS_REQ_SA_LOG	C1T156P0
C1_CS_REQ_SA_LOG	C1T156S1
C1_CS_REQ_SA_LOG	C1T156S2
C1_CS_REQ_SA_LOG_PARM	C1T157P0
C1_CS_REQ_SA_MSG	C1T155P0
C1_CS_REQ_SA_RCHG	C1T150P0
C1_CS_REQ_SA_RS	C1T148P0
C1_CS_REQ_SA_SP	C1T144P0
C1_CS_REQ_SA_SP_CHAR	C1T147P0
C1_CS_REQ_SA_SP_FA	C1T146P0

Table_Name	Index_Name
C1_CS_REQ_SA_SP_K	C1T145P0
C1_CS_REQ_SA_TOU_CONT_VAL	C1T152P0
C1_CS_REQ_TYPE_ALG	C1C126P0
C1_CS_REQ_TYPE_ALG_CUST_CL	C1C136P0
C1_CS_REQ_TYPE_ALG_PER_BUS	C1C135P0
C1_CS_REQ_TYPE_CUST_CL	C1C138P0
C1_CS_REQ_TYPE_PER_BUS	C1C137P0
C1_MKT_PROV_CONFIG_OPT	C1C129P0
C1_MKT_PROV_CONFIG_OPT	C1C129S1
C1_MKT_PROV_CONFIG_OPT_L	C1C130P0
C1_PROV_CONFIG_OPT	C1C127P0
C1_PROV_CONFIG_OPT	C1C127S1
C1_PROV_CONFIG_OPT_L	C1C128P0
C1_PROV_CONFIG_SATY	C1C132P0
C1_PROV_CONFIG_SATY_OVRD	C1C133P0
C1_SPR_MKT_OPT	C1C131P0
C1_SPR_MKT_OPT	C1C131S1
C1_SPR_MKT_OPT_SA	C1C134P0
CI_SPR_CHAR	XC311P0
CI_SPR_CHAR	XC311S1
CI_SATY_SARELTY	XC345S1
CI_SPR	XC339S2
CI_TNDR_CTL	XT251S4

Modified Indexes

Table_Name	Index_Name
CI_SA_REL	XM158S3

New Views

View
C1_BI_BILLED_USAGE_VW
C1_BI_BILL_DAY_IN_WIN_VW
C1_BI_BILL_VW
C1_BI_DAYS_B4_WIN_CLOSES_VW
C1_BI_COLLEVTTYPE_VW
C1_BI_COLLPROC_VW
C1_BI_FTGL_VW
C1_BI_FT_VW
C1_BI_SEVPROC_VW
X1_BI_DVC_INFO_VW
X1_BI_USG_EXCEPTION_VW
X1_BI_VEE_EXCEPTION_VW

New Columns

Table_Name	Column_Name	Data Type	Data Length
C1_BI_COLLEVTTYPE_VW	COLLECTIBLE_EVT_TYPE_CD	CHAR	12
C1_BI_COLLEVTTYPE_VW	DESCR	VARCHAR2	60
C1_BI_COLLPROC_VW	ACCT_ID	CHAR	10
C1_BI_COLLPROC_VW	ACTIVE_COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	ACTIVE_SEV_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	ARS_AT_END_AMT	NUMBER	15,2
C1_BI_COLLPROC_VW	ARS_AT_START_AMT	NUMBER	15,2
C1_BI_COLLPROC_VW	ARS_DIFF_AMT	NUMBER	15,2
C1_BI_COLLPROC_VW	CANCL_SYS_COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	CANCL_USER_COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	COLLECTIBLE_ARS_AT_END_AMT	NUMBER	15,2
C1_BI_COLLPROC_VW	COLLECTIBLE_ARS_DIFF_AMT	NUMBER	15,2

Table_Name	Column_Name	Data Type	Data Length
C1_BI_COLLPROC_VW	COLLECTIBLE_DURATION	NUMBER	5,0
C1_BI_COLLPROC_VW	COLLECTIBLE_PROC_COMPL_DT	DATE	7
C1_BI_COLLPROC_VW	COLL_ARS_DT	DATE	7
C1_BI_COLLPROC_VW	COLL_CAT_PRIO_FLG	CHAR	2
C1_BI_COLLPROC_VW	COLL_CL_CNTL_CD	CHAR	20
C1_BI_COLLPROC_VW	COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	COLL_PROC_COMPL_DT	DATE	7
C1_BI_COLLPROC_VW	COLL_PROC_DURATION	NUMBER	5,0
C1_BI_COLLPROC_VW	COLL_PROC_ID	CHAR	10
C1_BI_COLLPROC_VW	COLL_PROC_TMPL_CD	CHAR	12
C1_BI_COLLPROC_VW	COLL_STATUS_FLG	CHAR	2
C1_BI_COLLPROC_VW	COLL_STAT_RSN_FLG	CHAR	2
C1_BI_COLLPROC_VW	COMMENTS	VARCHAR2	254
C1_BI_COLLPROC_VW	COMPL_COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	CRE_DTTM	DATE	7
C1_BI_COLLPROC_VW	CRIT_PRIO_FLG	CHAR	2
C1_BI_COLLPROC_VW	CURRENCY_CD	CHAR	3
C1_BI_COLLPROC_VW	CURR_ARS_AMT	NUMBER	15,2
C1_BI_COLLPROC_VW	CURR_COLLECTIBLE_EVT_TYPE_CD	CHAR	12
C1_BI_COLLPROC_VW	CURR_COLL_EVT_TYP_CD	CHAR	12
C1_BI_COLLPROC_VW	CURR_SEV_EVT_TYPE_CD	CHAR	12
C1_BI_COLLPROC_VW	EFF_COLLECTIBLE_EVT_TYPE_CD	CHAR	12
C1_BI_COLLPROC_VW	EFF_COLL_EVT_TYP_CD	CHAR	12
C1_BI_COLLPROC_VW	EFF_SEV_EVT_TYPE_CD	CHAR	12
C1_BI_COLLPROC_VW	INACTIVE_COLLECTIBLE_CNT	NUMBER	
C1_BI_COLLPROC_VW	INACTIVE_COLL_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	INACTIVE_SEV_PROC_CNT	NUMBER	
C1_BI_COLLPROC_VW	OVERALL_ACTIVE_COLL_CNT	NUMBER	
C1_BI_COLLPROC_VW	OVERALL_COLLECTIBLE_STAT_FLG	CHAR	4
C1_BI_COLLPROC_VW	OVERALL_EFF_COLL_CNT	NUMBER	
C1_BI_COLLPROC_VW	OVERALL_INEFF_COLL_CNT	NUMBER	
C1_BI_COLLPROC_VW	PER_ID	CHAR	10

Table_Name	Column_Name	Data Type	Data Length
C1_BI_COLLPROC_VW	SEV_PROC_CNT	NUMBER	
C1_BI_SA_SNAPSHOT	ACCT_ID	CHAR	10
C1_BI_SA_SNAPSHOT	ARS_AMT1	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT10	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT2	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT3	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT4	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT5	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT6	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT7	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT8	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ARS_AMT9	NUMBER	15,2
C1_BI_SA_SNAPSHOT	C1_SNAPSHOT_DT	DATE	7
C1_BI_SA_SNAPSHOT	C1_SNAPSHOT_TYPE_FLG	CHAR	4
C1_BI_SA_SNAPSHOT	CURRENCY_CD	CHAR	3
C1_BI_SA_SNAPSHOT	CUR_BAL	NUMBER	15,2
C1_BI_SA_SNAPSHOT	ILM_ARCH_SW	CHAR	1
C1_BI_SA_SNAPSHOT	ILM_DT	DATE	7
C1_BI_SA_SNAPSHOT	NEW_CHG_BAL	NUMBER	15,2
C1_BI_SA_SNAPSHOT	PER_ID	CHAR	10
C1_BI_SA_SNAPSHOT	SA_ID	CHAR	10
C1_BI_SA_SNAPSHOT	SA_SNAPSHOT_CNT	NUMBER	
C1_BI_SA_SNAPSHOT	TOT_BAL	NUMBER	15,2
C1_BI_SA_SNAPSHOT	VERSION	NUMBER	5,0
C1_BI_SEVPROC_VW	ACCT_ID	CHAR	10
C1_BI_SEVPROC_VW	ACTIVE_SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	ARS_AT_END_AMT	NUMBER	
C1_BI_SEVPROC_VW	ARS_AT_START_AMT	NUMBER	
C1_BI_SEVPROC_VW	ARS_DIFF_AMT	NUMBER	
C1_BI_SEVPROC_VW	CANCL_SYS_SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	CANCL_USER_SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	COLL_PROC_ID	CHAR	10

Table_Name	Column_Name	Data Type	Data Length
C1_BI_SEVPROC_VW	COMMENTS	VARCHAR2	254
C1_BI_SEVPROC_VW	COMPLETED_SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	COMPLETE_DT	DATE	7
C1_BI_SEVPROC_VW	CRE_DTTM	DATE	7
C1_BI_SEVPROC_VW	CURRENCY_CD	CHAR	3
C1_BI_SEVPROC_VW	CURR_ARS_AMT	NUMBER	
C1_BI_SEVPROC_VW	CURR_SEV_EVT_TYPE_CD	VARCHAR2	12
C1_BI_SEVPROC_VW	DISCONN_CNT	NUMBER	
C1_BI_SEVPROC_VW	DISCONN_WARN_CNT	NUMBER	
C1_BI_SEVPROC_VW	DISCONN_WARN_DT	DATE	7
C1_BI_SEVPROC_VW	EFF_SEV_EVT_TYPE_CD	VARCHAR2	12
C1_BI_SEVPROC_VW	EVT_SEQ	NUMBER	3,0
C1_BI_SEVPROC_VW	INACTIVE_SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	MESSAGE_CAT_NBR	NUMBER	5,0
C1_BI_SEVPROC_VW	MESSAGE_NBR	NUMBER	5,0
C1_BI_SEVPROC_VW	PER_ID	CHAR	10
C1_BI_SEVPROC_VW	PREM_ID	VARCHAR2	10
C1_BI_SEVPROC_VW	RECONN_CNT	NUMBER	
C1_BI_SEVPROC_VW	SA_ID	CHAR	10
C1_BI_SEVPROC_VW	SEV_ARS_DT	DATE	7
C1_BI_SEVPROC_VW	SEV_PROC_CNT	NUMBER	
C1_BI_SEVPROC_VW	SEV_PROC_DURATION	NUMBER	
C1_BI_SEVPROC_VW	SEV_PROC_ID	CHAR	10
C1_BI_SEVPROC_VW	SEV_PROC_TMPL_CD	CHAR	12
C1_BI_SEVPROC_VW	SEV_STATUS_FLG	CHAR	2
C1_BI_SEVPROC_VW	SEV_STAT_RSN_FLG	CHAR	2
C1_BI_SEVPROC_VW	SVC_DISCONN_DT	DATE	7
C1_BI_SEVPROC_VW	SVC_RECONN_DT	DATE	7
C1_CS_REQ_SA	ACCT_ID	CHAR	10
C1_CS_REQ_SA	ALLOW_EST_SW	CHAR	1
C1_CS_REQ_SA	BO_STATUS_CD	CHAR	12
C1_CS_REQ_SA	BO_STATUS_REASON_CD	VARCHAR	30

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA	BO_XML_DATA_AREA	XML	1073741824
C1_CS_REQ_SA	BUS_ACTIVITY_DESC	VARCHAR	250
C1_CS_REQ_SA	BUS_OBJ_CD	CHAR	30
C1_CS_REQ_SA	CHAR_PREM_ID	CHAR	10
C1_CS_REQ_SA	CIAC_REVIEW_DT	DATE	10
C1_CS_REQ_SA	CIS_DIVISION	CHAR	5
C1_CS_REQ_SA	CRE_DATE	DATE	26
C1_CS_REQ_SA	CS_REQ_ACCT_ID	CHAR	14
C1_CS_REQ_SA	CS_REQ_ERR_HNDL_FLG	CHAR	4
C1_CS_REQ_SA	CS_REQ_ID	CHAR	14
C1_CS_REQ_SA	CS_REQ_SA_ACT_FLG	CHAR	4
C1_CS_REQ_SA	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA	CURRENCY_CD	CHAR	3
C1_CS_REQ_SA	CUST_READ_FLG	CHAR	2
C1_CS_REQ_SA	END_DT	DATE	10
C1_CS_REQ_SA	ENRL_ID	CHAR	12
C1_CS_REQ_SA	EXPIRE_DT	DATE	10
C1_CS_REQ_SA	HIGH_BILL_AMT	NUMBER	15
C1_CS_REQ_SA	ILM_ARCH_SW	CHAR	1
C1_CS_REQ_SA	ILM_DT	DATE	10
C1_CS_REQ_SA	INT_CALC_DT	DATE	10
C1_CS_REQ_SA	NBR_PYMNT_PERIODS	NUMBER	3
C1_CS_REQ_SA	NB_APAY_FLG	CHAR	4
C1_CS_REQ_SA	NB_RULE_CD	CHAR	8
C1_CS_REQ_SA	OLD_ACCT_ID	VARCHAR	36
C1_CS_REQ_SA	RENEWAL_DT	DATE	10
C1_CS_REQ_SA	SA_DATA_AREA	CLOB	9999
C1_CS_REQ_SA	SA_ID	CHAR	10
C1_CS_REQ_SA	SA_REL_ID	CHAR	10
C1_CS_REQ_SA	SA_TYPE_CD	CHAR	8
C1_CS_REQ_SA	SA_VERSION	NUMBER	5
C1_CS_REQ_SA	SIC_CD	CHAR	8

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA	START_DT	DATE	10
C1_CS_REQ_SA	START_OPT_CD	CHAR	12
C1_CS_REQ_SA	STATUS_UPD_DATE	DATE	26
C1_CS_REQ_SA	STOP_REQED_BY	VARCHAR	50
C1_CS_REQ_SA	STOP_RSN_FLG	CHAR	4
C1_CS_REQ_SA	STRT_REQED_BY	VARCHAR	50
C1_CS_REQ_SA	STRT_RSN_FLG	CHAR	4
C1_CS_REQ_SA	TOT_TO_BILL_AMT	NUMBER	15
C1_CS_REQ_SA	VERSION	NUMBER	5
C1_CS_REQ_SA_CHAR	ADHOC_CHAR_VAL	VARCHAR	254
C1_CS_REQ_SA_CHAR	CHAR_TYPE_CD	CHAR	8
C1_CS_REQ_SA_CHAR	CHAR_VAL	CHAR	16
C1_CS_REQ_SA_CHAR	CHAR_VAL_FK1	VARCHAR	50
C1_CS_REQ_SA_CHAR	CHAR_VAL_FK2	VARCHAR	50
C1_CS_REQ_SA_CHAR	CHAR_VAL_FK3	VARCHAR	50
C1_CS_REQ_SA_CHAR	CHAR_VAL_FK4	VARCHAR	50
C1_CS_REQ_SA_CHAR	CHAR_VAL_FK5	VARCHAR	50
C1_CS_REQ_SA_CHAR	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_CHAR	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_CHAR	EFFDT	DATE	10
C1_CS_REQ_SA_CHAR	SRCH_CHAR_VAL	VARCHAR	50
C1_CS_REQ_SA_CHAR	VERSION	NUMBER	5
C1_CS_REQ_SA_CONTERM	BF_CD	CHAR	8
C1_CS_REQ_SA_CONTERM	CONTERM_TYPE_FLG	CHAR	2
C1_CS_REQ_SA_CONTERM	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_CONTERM	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_CONTERM	END_DT	DATE	10
C1_CS_REQ_SA_CONTERM	PCT_EXEMPT	NUMBER	7
C1_CS_REQ_SA_CONTERM	START_DT	DATE	10
C1_CS_REQ_SA_CONTERM	TAX_CERT	VARCHAR	35
C1_CS_REQ_SA_CONTERM	TAX_EX_TYPE_CD	CHAR	8
C1_CS_REQ_SA_CONTERM	TOU_GRP_CD	VARCHAR	30

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA_CONTERM	VAL	NUMBER	19
C1_CS_REQ_SA_CONTERM	VERSION	NUMBER	5
C1_CS_REQ_SA_CONT_QTY	CONT_QTY	NUMBER	17
C1_CS_REQ_SA_CONT_QTY	CONT_QTY_TYPE_CD	CHAR	8
C1_CS_REQ_SA_CONT_QTY	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_CONT_QTY	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_CONT_QTY	EFFDT	DATE	10
C1_CS_REQ_SA_CONT_QTY	VERSION	NUMBER	5
C1_CS_REQ_SA_COP	CONT_OPT_ID	CHAR	12
C1_CS_REQ_SA_COP	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_COP	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_COP	EFF_DATE	DATE	26
C1_CS_REQ_SA_COP	EXPIRE_DATE	DATE	26
C1_CS_REQ_SA_COP	SA_CONT_OPT_ID	CHAR	12
C1_CS_REQ_SA_COP	SA_COP_VERSION	NUMBER	5
C1_CS_REQ_SA_COP	VERSION	NUMBER	5
C1_CS_REQ_SA_COP_OVRD	CONT_OPT_EVT_ID	CHAR	12
C1_CS_REQ_SA_COP_OVRD	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_COP_OVRD	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_COP_OVRD	EFF_STATUS	CHAR	1
C1_CS_REQ_SA_COP_OVRD	OVRD_DATE	DATE	26
C1_CS_REQ_SA_COP_OVRD	SA_CONT_OPT_ID	CHAR	12
C1_CS_REQ_SA_COP_OVRD	SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_COP_OVRD	VERSION	NUMBER	5
C1_CS_REQ_SA_K	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_K	ENV_ID	NUMBER	6
C1_CS_REQ_SA_LOG	ADHOC_CHAR_VAL	VARCHAR	254
C1_CS_REQ_SA_LOG	BO_STATUS_CD	CHAR	12
C1_CS_REQ_SA_LOG	BO_STATUS_REASON_CD	VARCHAR	30
C1_CS_REQ_SA_LOG	CHAR_TYPE_CD	CHAR	8
C1_CS_REQ_SA_LOG	CHAR_VAL	CHAR	16
C1_CS_REQ_SA_LOG	CHAR_VAL_FK1	VARCHAR	50

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA_LOG	CHAR_VAL_FK2	VARCHAR	50
C1_CS_REQ_SA_LOG	CHAR_VAL_FK3	VARCHAR	50
C1_CS_REQ_SA_LOG	CHAR_VAL_FK4	VARCHAR	50
C1_CS_REQ_SA_LOG	CHAR_VAL_FK5	VARCHAR	50
C1_CS_REQ_SA_LOG	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_LOG	DESCRLONG	VARCHAR	4000
C1_CS_REQ_SA_LOG	LOG_DATE	DATE	26
C1_CS_REQ_SA_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
C1_CS_REQ_SA_LOG	MESSAGE_CAT_NBR	NUMBER	5
C1_CS_REQ_SA_LOG	MESSAGE_NBR	NUMBER	5
C1_CS_REQ_SA_LOG	SEQNO	NUMBER	5
C1_CS_REQ_SA_LOG	USER_ID	CHAR	8
C1_CS_REQ_SA_LOG	VERSION	NUMBER	5
C1_CS_REQ_SA_LOG_PARM	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
C1_CS_REQ_SA_LOG_PARM	MSG_PARM_VAL	VARCHAR	2000
C1_CS_REQ_SA_LOG_PARM	PARM_SEQ	NUMBER	3
C1_CS_REQ_SA_LOG_PARM	SEQNO	NUMBER	5
C1_CS_REQ_SA_LOG_PARM	VERSION	NUMBER	5
C1_CS_REQ_SA_MSG	BILL_MSG_CD	CHAR	4
C1_CS_REQ_SA_MSG	BILL_MSG_TYPE_FLG	CHAR	2
C1_CS_REQ_SA_MSG	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_MSG	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_MSG	VERSION	NUMBER	5
C1_CS_REQ_SA_RCHG	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_RCHG	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_RCHG	CURRENCY_CD	CHAR	3
C1_CS_REQ_SA_RCHG	EFFDT	DATE	10
C1_CS_REQ_SA_RCHG	RCR_CHG_AMT	NUMBER	15
C1_CS_REQ_SA_RCHG	VERSION	NUMBER	5
C1_CS_REQ_SA_RS	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_RS	CS_REQ_SEQ_NUM	NUMBER	3

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA_RS	EFFDT	DATE	10
C1_CS_REQ_SA_RS	RS_CD	CHAR	8
C1_CS_REQ_SA_RS	VERSION	NUMBER	5
C1_CS_REQ_SA_SP	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_SP	CS_REQ_SA_SP_ID	CHAR	14
C1_CS_REQ_SA_SP	SA_ID	CHAR	10
C1_CS_REQ_SA_SP	SA_SP_VERSION	NUMBER	5
C1_CS_REQ_SA_SP	SP_ID	CHAR	10
C1_CS_REQ_SA_SP	START_DATE	DATE	26
C1_CS_REQ_SA_SP	START_MR_ID	CHAR	12
C1_CS_REQ_SA_SP	STOP_DATE	DATE	26
C1_CS_REQ_SA_SP	STOP_MR_ID	CHAR	12
C1_CS_REQ_SA_SP	USAGE_FLG	CHAR	2
C1_CS_REQ_SA_SP	USE_PCT	NUMBER	3
C1_CS_REQ_SA_SP	VERSION	NUMBER	5
C1_CS_REQ_SA_SP_CHAR	ADHOC_CHAR_VAL	VARCHAR	254
C1_CS_REQ_SA_SP_CHAR	CHAR_TYPE_CD	CHAR	8
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL	CHAR	16
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL_FK1	VARCHAR	50
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL_FK2	VARCHAR	50
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL_FK3	VARCHAR	50
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL_FK4	VARCHAR	50
C1_CS_REQ_SA_SP_CHAR	CHAR_VAL_FK5	VARCHAR	50
C1_CS_REQ_SA_SP_CHAR	CS_REQ_SA_SP_ID	CHAR	14
C1_CS_REQ_SA_SP_CHAR	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_SP_CHAR	EFFDT	DATE	10
C1_CS_REQ_SA_SP_CHAR	VERSION	NUMBER	5
C1_CS_REQ_SA_SP_FA	CS_REQ_SA_SP_ID	CHAR	14
C1_CS_REQ_SA_SP_FA	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_SP_FA	FA_ID	CHAR	10
C1_CS_REQ_SA_SP_FA	SA_ID	CHAR	10
C1_CS_REQ_SA_SP_FA	SA_SP_FA_TYPE_FLG	CHAR	2

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_SA_SP_FA	SP_ID	CHAR	10
C1_CS_REQ_SA_SP_FA	VERSION	NUMBER	5
C1_CS_REQ_SA_SP_K	CS_REQ_SA_SP_ID	CHAR	14
C1_CS_REQ_SA_SP_K	ENV_ID	NUMBER	6
C1_CS_REQ_SA_TOU_CONT_VAL	BF_CD	CHAR	8
C1_CS_REQ_SA_TOU_CONT_VAL	CONTERM_TYPE_FLG	CHAR	2
C1_CS_REQ_SA_TOU_CONT_VAL	CS_REQ_SA_ID	CHAR	14
C1_CS_REQ_SA_TOU_CONT_VAL	CS_REQ_SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_TOU_CONT_VAL	SEQ_NUM	NUMBER	3
C1_CS_REQ_SA_TOU_CONT_VAL	START_DT	DATE	10
C1_CS_REQ_SA_TOU_CONT_VAL	TOU_CD	VARCHAR	30
C1_CS_REQ_SA_TOU_CONT_VAL	TOU_GRP_CD	VARCHAR	30
C1_CS_REQ_SA_TOU_CONT_VAL	VAL	NUMBER	19
C1_CS_REQ_SA_TOU_CONT_VAL	VERSION	NUMBER	5
C1_CS_REQ_TYPE	CS_REQ_SA_BUS_OBJ_CD	CHAR	30
C1_CS_REQ_TYPE	CS_REQ_SA2_BUS_OBJ_CD	CHAR	30
C1_CS_REQ_TYPE_ALG	ALG_CD	CHAR	12
C1_CS_REQ_TYPE_ALG	CS_REQ_ALG_ENTITY_FLG	CHAR	4
C1_CS_REQ_TYPE_ALG	CS_REQ_TYPE_CD	VARCHAR2	30
C1_CS_REQ_TYPE_ALG	SEQ_NUM	NUMBER	3,0
C1_CS_REQ_TYPE_ALG	VERSION	NUMBER	5,0
C1_CS_REQ_TYPE_ALG_CUST_CL	ALG_CD	CHAR	12
C1_CS_REQ_TYPE_ALG_CUST_CL	CS_REQ_ALG_ENTITY_FLG	CHAR	4
C1_CS_REQ_TYPE_ALG_CUST_CL	CS_REQ_TYPE_CD	VARC	30
C1_CS_REQ_TYPE_ALG_CUST_CL	CUST_CL_CD	CHAR	8
C1_CS_REQ_TYPE_ALG_CUST_CL	SEQ_NUM	NUMB	3
C1_CS_REQ_TYPE_ALG_CUST_CL	VERSION	NUMB	5
C1_CS_REQ_TYPE_ALG_PER_BUS	ALG_CD	CHAR	12
C1_CS_REQ_TYPE_ALG_PER_BUS	CS_REQ_ALG_ENTITY_FLG	CHAR	4
C1_CS_REQ_TYPE_ALG_PER_BUS	CS_REQ_TYPE_CD	VARC	30
C1_CS_REQ_TYPE_ALG_PER_BUS	PER_OR_BUS_FLG	CHAR	2
C1_CS_REQ_TYPE_ALG_PER_BUS	SEQ_NUM	NUMB	3

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_TYPE_ALG_PER_BUS	VERSION	NUMB	5
C1_CS_REQ_TYPE_CUST_CL	BO_XML_DATA_AREA	XML	1073741824
C1_CS_REQ_TYPE_CUST_CL	CS_REQ_TYPE_CD	VARC	30
C1_CS_REQ_TYPE_CUST_CL	CUST_CL_CD	CHAR	8
C1_CS_REQ_TYPE_CUST_CL	VERSION	NUMB	5
C1_CS_REQ_TYPE_PER_BUS	BO_XML_DATA_AREA	XML	1073741824
C1_CS_REQ_TYPE_PER_BUS	CS_REQ_TYPE_CD	VARC	30
C1_CS_REQ_TYPE_PER_BUS	PER_OR_BUS_FLG	CHAR	2
C1_CS_REQ_TYPE_PER_BUS	VERSION	NUMB	5
C1_MKT_PROV_CONFIG_OPT	BO_XML_DATA_AREA	XML	1073741824
C1_MKT_PROV_CONFIG_OPT	BUS_OBJ_CD	CHAR	30
C1_MKT_PROV_CONFIG_OPT	C1_MKT_CD	VARCHAR	30
C1_MKT_PROV_CONFIG_OPT	C1_MKT_REL_TYPE_FLG	CHAR	4
C1_MKT_PROV_CONFIG_OPT	CIS_DIVISION	CHAR	5
C1_MKT_PROV_CONFIG_OPT	MKT_SPR_CD	CHAR	0
C1_MKT_PROV_CONFIG_OPT	NT_XID_CD	CHAR	30
C1_MKT_PROV_CONFIG_OPT	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_MKT_PROV_CONFIG_OPT	SA_REL_TYPE_CD	CHAR	8
C1_MKT_PROV_CONFIG_OPT	VERSION	NUMBER	5
C1_MKT_PROV_CONFIG_OPT_L	C1_MKT_CD	VARCHAR	30
C1_MKT_PROV_CONFIG_OPT_L	DESCR100	VARCHAR	100
C1_MKT_PROV_CONFIG_OPT_L	LANGUAGE_CD	CHAR	3
C1_MKT_PROV_CONFIG_OPT_L	MKT_SPR_CD	CHAR	0
C1_MKT_PROV_CONFIG_OPT_L	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_MKT_PROV_CONFIG_OPT_L	SA_REL_TYPE_CD	CHAR	8
C1_MKT_PROV_CONFIG_OPT_L	VERSION	NUMBER	5
C1_PROV_CONFIG_OPT	BILL_REL_FLG	CHAR	4
C1_PROV_CONFIG_OPT	BO_XML_DATA_AREA	XML	1073741824
C1_PROV_CONFIG_OPT	BUS_OBJ_CD	CHAR	30
C1_PROV_CONFIG_OPT	CHGS_BATCH_CD	CHAR	8
C1_PROV_CONFIG_OPT	CNSMP_BATCH_CD	CHAR	8
C1_PROV_CONFIG_OPT	PAY_REL_FLG	CHAR	4

Table_Name	Column_Name	Data Type	Data Length
C1_PROV_CONFIG_OPT	PAY_SPR_ALG_CD	CHAR	12
C1_PROV_CONFIG_OPT	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_PROV_CONFIG_OPT	VERSION	NUMBER	5
C1_PROV_CONFIG_OPT	XFER_AR_ALG_CD	CHAR	12
C1_PROV_CONFIG_OPT_L	DESCR100	VARCHAR	100
C1_PROV_CONFIG_OPT_L	DESCRLONG	VARCHAR	4000
C1_PROV_CONFIG_OPT_L	LANGUAGE_CD	CHAR	3
C1_PROV_CONFIG_OPT_L	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_PROV_CONFIG_OPT_L	VERSION	NUMBER	5
C1_PROV_CONFIG_SATY	CIS_DIVISION	CHAR	5
C1_PROV_CONFIG_SATY	INITIAL_SATY_SW	CHAR	1
C1_PROV_CONFIG_SATY	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_PROV_CONFIG_SATY	SA_REL_TYPE_CD	CHAR	8
C1_PROV_CONFIG_SATY	SA_TYPE_CD	CHAR	8
C1_PROV_CONFIG_SATY	START_OPT_CD	CHAR	12
C1_PROV_CONFIG_SATY	SUBSA_CIS_DIVISION	CHAR	5
C1_PROV_CONFIG_SATY	SUBSA_SA_TYPE_CD	CHAR	8
C1_PROV_CONFIG_SATY	VERSION	NUMBER	5
C1_PROV_CONFIG_SATY_OVRD	CIS_DIVISION	CHAR	5
C1_PROV_CONFIG_SATY_OVRD	INITIAL_SATY_SW	CHAR	1
C1_PROV_CONFIG_SATY_OVRD	OVRD_SUBSA_CIS_DIVISION	CHAR	0
C1_PROV_CONFIG_SATY_OVRD	OVRD_SUBSA_SA_TYPE_CD	CHAR	0
C1_PROV_CONFIG_SATY_OVRD	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_PROV_CONFIG_SATY_OVRD	SA_REL_TYPE_CD	CHAR	8
C1_PROV_CONFIG_SATY_OVRD	SA_TYPE_CD	CHAR	8
C1_PROV_CONFIG_SATY_OVRD	SPR_CD	CHAR	12
C1_PROV_CONFIG_SATY_OVRD	START_OPT_CD	CHAR	12
C1_PROV_CONFIG_SATY_OVRD	VERSION	NUMBER	5
CI_SA_TYPE	USE_ALT_PA_CRE_SW	CHAR	1
C1_SPR_MKT_OPT	BO_XML_DATA_AREA	XML	1073741824
C1_SPR_MKT_OPT	BUS_OBJ_CD	CHAR	30
C1_SPR_MKT_OPT	C1_MKT_CD	VARCHAR	30

Table_Name	Column_Name	Data Type	Data Length
C1_SPR_MKT_OPT	END_DT	DATE	10
C1_SPR_MKT_OPT	MKT_SPR_CD	CHAR	0
C1_SPR_MKT_OPT	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_SPR_MKT_OPT	SA_REL_TYPE_CD	CHAR	8
C1_SPR_MKT_OPT	SPR_CD	CHAR	12
C1_SPR_MKT_OPT	SPR_MKT_OPT_DEFAULT_SW	CHAR	1
C1_SPR_MKT_OPT	SPR_MKT_OPT_STATUS_FLG	CHAR	4
C1_SPR_MKT_OPT	START_DT	DATE	10
C1_SPR_MKT_OPT	VERSION	NUMBER	5
C1_SPR_MKT_OPT_SA	C1_MKT_CD	VARCHAR	30
C1_SPR_MKT_OPT_SA	MKT_SPR_CD	CHAR	0
C1_SPR_MKT_OPT_SA	PROV_CONFIG_OPT_CD	VARCHAR	30
C1_SPR_MKT_OPT_SA	SA_ID	CHAR	10
C1_SPR_MKT_OPT_SA	SA_REL_TYPE_CD	CHAR	8
C1_SPR_MKT_OPT_SA	SPR_CD	CHAR	12
C1_SPR_MKT_OPT_SA	SPR_MKT_OPT_SA_ROLE_FLG	CHAR	4
C1_SPR_MKT_OPT_SA	VERSION	NUMBER	5
CI_CHAR_TYPE	FLD_NAME	CHAR	30
CI_ID_TYPE	ALLOW_PRIMARY_FLG	CHAR	4
CI_ID_TYPE	BO_DATA_AREA	CLOB	4000
CI_ID_TYPE	BUS_OBJ_CD	CHAR	30
CI_ID_TYPE	DELIMITER	CHAR	1
CI_ID_TYPE	FIELD_NAME	CHAR	30
CI_ID_TYPE	ID_PREFIX_FLG	CHAR	4
CI_INSTALLATION	NAME_SEPARATOR	CHAR	1
CI_INSTALLATION	USE_NAME_SEPARATOR_SW	CHAR	1
CI_SATY_SARELTY	BO_DATA_AREA	CLOB	1073741824
CI_SATY_SARELTY	BUS_OBJ_CD	CHAR	30
CI_SA_REL	C1_MKT_CD	VARCHAR	30
CI_SA_REL	MKT_SPR_CD	CHAR	0
CI_SA_REL	PROV_CONFIG_OPT_CD	VARCHAR	30
CI_SA_REL_TYPE	SPR_MODEL_FLG	CHAR	4

Table_Name	Column_Name	Data Type	Data Length
CI_SPR	BO_DATA_AREA	CLOB	1073741824
CI_SPR	BUS_OBJ_CD	CHAR	30
CI_SPR	SPR_EXT_ID	VARCHAR	30
CI_SPR_CHAR	ADHOC_CHAR_VAL	VARCHAR	254
CI_SPR_CHAR	CHAR_TYPE_CD	CHAR	8
CI_SPR_CHAR	CHAR_VAL	CHAR	16
CI_SPR_CHAR	CHAR_VAL_FK1	VARCHAR	50
CI_SPR_CHAR	CHAR_VAL_FK2	VARCHAR	50
CI_SPR_CHAR	CHAR_VAL_FK3	VARCHAR	50
CI_SPR_CHAR	CHAR_VAL_FK4	VARCHAR	50
CI_SPR_CHAR	CHAR_VAL_FK5	VARCHAR	50
CI_SPR_CHAR	EFFDT	DATE	10
CI_SPR_CHAR	SPR_CD	CHAR	12
CI_SPR_CHAR	SRCH_CHAR_VAL	VARCHAR	50
CI_SPR_CHAR	VERSION	NUMBER	5
CI_SS_OPT_L	DESCRLONG	VARCHAR	4000
CI_TNDR_SRCE	PRINTER_IP_ADDRESS	VARCHAR2	60
CI_TNDR_SRCE	PRINTER_PORT	VARCHAR2	6
X1_BI_ACTIVITY_VW	ILM_DATE	DATE	7
X1_BI_USG_EXCEPTION_VW	ILM_DT	DATE	7
C0_INSTALLATION	NAME_SEPARATOR	CHAR	1
C0_INSTALLATION	USE_NAME_SEPARATOR_SW	CHAR	1

Column Format Changes

Table_Name	Column_Name	Old Data Type and Data Length	New Data Type and Data Length
C1_CS_REQ_TYPE	CIS_DIVISION	NOT NULLABLE	NULLABLE
C1_MKT_RP	MKT_JURIS	CHAR 30	VARCHAR2 30
C1_MKT_RP	MKT_ORG	CHAR 10	VARCHAR2 30
C1_MKT_RP	MKT_REG_NBR	CHAR 30	VARCHAR2 30

Table_Name	Column_Name	Old Data Type and Data Length		New Data Type and Data Length	
C1_MKT_RP	MKT_SVC_TYPE	CHAR	30	VARCHAR2	30
C1_MKTMSG_USG	MKTMSG_ID	NOT NULLABLE		NULLABLE	
C1_MKTMSG_PAY	MKTMSG_ID	NOT NULLABLE		NULLABLE	
C1_MKTMSG_CHG	MKTMSG_ID	NOT NULLABLE		NULLABLE	
CI_SA_REL	C1_MKT_CD	CHAR	30	VARCHAR2	30
CI_SA_REL	PROV_CONFIG_OPT_CD	CHAR	30	VARCHAR2	30

Chapter 3

Meter Data Management Database Changes

This chapter provides lists of database changes in the 2.4.0.0.0 release of Oracle Utilities Meter Data Management included with the 2.8.0.0.0. release of Oracle Utilities Customer To Meter. It includes:

- [New Tables](#)
- [New Columns](#)
- [Updated Columns](#)
- [New Primary Keys](#)
- [Updated Primary Keys](#)
- [New Indexes](#)
- [Index Changes](#)
- [New Views](#)
- [Updated Views](#)

New Tables

Table_Name
D1_ACTIVITY_TYPE_FLD_TASK_TYPE
D1_DVC_EQPMNT
D1_FACILITY_SP
D1_SP_TYPE_FIELD_TASK_TYPE
F1_ARC_TBL_PARTITION_HIST

New Columns

Table_Name	Column_Name	Data Type	Data Length
D1_ACT_DVC_SP_VW	D1_PK_VALUE	VARCHAR2	254
D1_ACT_DVC_SP_VW	D1_ACTIVITY_ID	CHAR	14
D1_ACT_DVC_SP_VW	MAINT_OBJ_CD	CHAR	12
D1_ACT_DVC_SP_VW	ACCESS_GRP_CD	CHAR	12
D1_ACTIVITY_TYPE	SP_DVC_COND_SRC_FLG	CHAR	4
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	ACTIVITY_TYPE_CD	VARCHAR2	30
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	SP_DVC_COND_FLG	CHAR	4
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	SEQNO	NUMBER	3
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	SP_CATEGORY_FLG	CHAR	4
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	D1_SP_TYPE_CD	VARCHAR2	30
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	FIELD_TASK_TYPE	VARCHAR2	254
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	DISCONN_LOC_FLG	CHAR	4
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	DEVICE_INSTALLED_AT_SP_SW	CHAR	1
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	SP_CONNECTED_SW	CHAR	1

Table_Name	Column_Name	Data Type	Data Length
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	EXEC_OVRD_ALG_SW	CHAR	1
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	INSTALL_EVENT_STATUS_OVERRIDE	VARCHAR2	254
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	ACTIVITY_BO_TO_CREATE	CHAR	30
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	ALTERNATE_FIELD_TASK_TYPE	VARCHAR2	254
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	BO_DATA_AREA	CLOB	
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	VERSION	NUMBER	5
D1_CONS_EXT_TYPE	INTERVAL_SCALAR_FLG	CHAR	4
D1_DVC	ACCESS_GRP_CD	CHAR	12
D1_DVC_EQPMNT	D1_EQPMNT_ID	CHAR	12
D1_DVC_EQPMNT	D1_DEVICE_ID	CHAR	12
D1_DVC_EQPMNT	D1_INSTALL_DTTM	DATE	
D1_DVC_EQPMNT	MEASR_COMP_ID	CHAR	12
D1_DVC_EQPMNT	D1_REMOVAL_DTTM	DATE	
D1_DVC_EQPMNT	EQPMNT_CNT	NUMBER	11,2
D1_DVC_EQPMNT	COMMENTS	VARCHAR2	254
D1_DVC_EQPMNT	BO_DATA_AREA	CLOB	
D1_DVC_EQPMNT	VERSION	NUMBER	5
D1_DVC_TYPE	ATTACHED_TO_FLG	CHAR	4
D1_FACILITY_SP	FACILITY_ID	CHAR	14
D1_FACILITY_SP	D1_SP_ID	CHAR	12
D1_FACILITY_SP	VERSION	NUMBER	5
D1_MDSI	VERSION	NUMBER	5,0
D1_MDSS	VERSION	NUMBER	5,0
D1_MEASR_COMP	ACCESS_GRP_CD	CHAR	12
D1_SP_EQPMNT	BO_DATA_AREA	CLOB	
D1_SP_EQPMNT	EQPMNT_CNT	NUMBER	11, 2
D1_SP_TYPE_FIELD_TASK_TYPE	D1_SP_TYPE_CD	VARCHAR2	30

Table_Name	Column_Name	Data Type	Data Length
D1_SP_TYPE_FIELD_TASK_TYPE	FIELD_TASK_TYPE	VARCHAR2	254
D1_SP_TYPE_FIELD_TASK_TYPE	BO_DATA_AREA	CLOB	
D1_SP_TYPE_FIELD_TASK_TYPE	VERSION	NUMBER	5
F1_ARC_TBL_PARTTTION_HIST	TBL_OWNER	VARCHAR2	128
F1_ARC_TBL_PARTTTION_HIST	TBL_NAME	CHAR	30
F1_ARC_TBL_PARTTTION_HIST	PART_OR_SUBPART_NAME	VARCHAR2	128
F1_ARC_TBL_PARTTTION_HIST	CRE_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	PARTTTION_YEAR	NUMBER	4,0
F1_ARC_TBL_PARTTTION_HIST	PARTTTION_MON	VARCHAR2	3
F1_ARC_TBL_PARTTTION_HIST	RETENTION_OR_SUBRET_DAYS	NUMBER	5,0
F1_ARC_TBL_PARTTTION_HIST	ARCHIVE_METHOD_FLG	CHAR	4
F1_ARC_TBL_PARTTTION_HIST	ARCHIVE_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	ARCHIVE_FILE_NAME	VARCHAR2	128
F1_ARC_TBL_PARTTTION_HIST	DROP_APPROVAL_FLG	CHAR	4
F1_ARC_TBL_PARTTTION_HIST	DROP_PART_STAT_FLG	CHAR	4
F1_ARC_TBL_PARTTTION_HIST	APPROVAL_USER_ID	CHAR	8
F1_ARC_TBL_PARTTTION_HIST	APPROVAL_DROP_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	ACTUAL_DROP_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	SCHED_DROP_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	REPEAT_FLG	CHAR	4

Table_Name	Column_Name	Data Type	Data Length
F1_ARC_TBL_PARTTTION_HIST	REPEAT_DTTM	DATE	
F1_ARC_TBL_PARTTTION_HIST	ESTIMATED_SIZE_GB	NUMBER	9,3
F1_ARC_TBL_PARTTTION_HIST	REPEAT_USER_ID	CHAR	8

Updated Columns

Table_Name	Old Column Sequence	New Column Sequence
D1_MEASR_COMP_SET_PARTICIPANT	1. MEASR_COMP_ID	1. MEASR_COMP_SET_CD
	2. MEASR_COMP_SET_CD	2. SEQNO
	3. INITIATED_BY_MC_SET_FLG	3. BO_XML_DATA_AREA
	4. BO_XML_DATA_AREA	4. VERSION
	5. VERSION	5. MEASR_COMP_ID
	6. SEQNO	6. MC_ID_TYPE_FLG
	7. MC_ID_TYPE_FLG	7. ID_VALUE
	8. ID_VALUE	8. INITIATED_BY_MC_SET_FLG

Table_Name	Column	Old Data Types	New Data Type
D1_CONTACT_EMAIL	EMAIL_VALUE	VARCHAR2(70)	VARCHAR2(254)

New Primary Keys

Table_Name	Primary_Key	Columns
D1_FACILITY_SP	D1T633P0	FACILITY_ID, D1_SP_ID
D1_US_QTY	D1M576P0	D1_US_QTY_ID
F1_ARC_TBL_PARTTTION_HIST	F1M632P0	TBL_OWNER, TBL_NAME, PART_OR_SUBPART_NAME, CRE_DTTM

Updated Primary Keys

Table_Name	Old Primary Key Columns	New Primary Key Columns
D1_MEASR_COMP_SET_PARTICIPANT	MEASR_COMP_SET_CD, SEQNO	MEASR_COMP_ID, MEASR_COMP_SET_CD

New Indexes

Table_Name	Index_Name
D1_ACTIVITY_TYPE_FLD_TASK_TYPE	D1C631P0
D1_DVC_EQPMNT	D1M629P0
D1_DVC_EQPMNT	D1M629S0
D1_FACILITY_SP	D1T633P0
D1_SP_TYPE_FIELD_TASK_TYPE	D1M630P0
D1_US_QTY	D1M576P0
D1_USAGE_EXCP	D1T443S1
F1_ARC_TBL_PARTITION_HIST	F1M632P0

Index Changes

Table_Name	Index_Name	Old Columns	New Columns
D1_CONTACT_IDENTIFIER	D1C183S0	CONTACT_ID_TYP E_FLG,ID_VALUE	ID_VALUE
D1_CONTACT_IDENTIFIER	D1C183S1	CONTACT_ID_TYP E_FLG,UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_SP_IDENTIFIER	D1M104S0	SP_ID_TYPE_FLG,I D_VALUE	ID_VALUE
D1_SP_IDENTIFIER	D1M104S1	SP_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_US_IDENTIFIER	D1M213S0	US_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_US_IDENTIFIER	D1M213S1	US_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)

Table_Name	Index_Name	Old Columns	New Columns
D1_DVC_IDENTIFIER	D1M236S0	DVC_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_DVC_IDENTIFIER	D1M236S1	DVC_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_MEASR_COMP_IDENTIFIER	D1M253S0	MC_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_MEASR_COMP_IDENTIFIER	D1M253S1	MC_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_ACTIVITY_IDENTIFIER	D1T330S0	ACTIVITY_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_ACTIVITY_IDENTIFIER	D1T330S1	ACTIVITY_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_COMM_OUT_IDENTIFIER	D1T385S0	COMM_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_COMM_OUT_IDENTIFIER	D1T385S1	COMM_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_COMM_IN_IDENTIFIER	D1T391S0	COMM_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_COMM_IN_IDENTIFIER	D1T391S1	COMM_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_DVC_EVT_IDENTIFIER	D1T405S0	DVC_EVT_ID_TYPE_FLG, ID_VALUE	ID_VALUE
D1_DVC_EVT_IDENTIFIER	D1T405S1	DVC_EVT_ID_TYPE_FLG, UPPER(ID_VALUE)	UPPER(ID_VALUE)
D1_MEASR_COMP_SET_PARTICIPANT	D1C478P0	MEASR_COMP_SET_CD, SEQNO	MEASR_COMP_ID, MEASR_COMP_SET_CD
D1_INIT_MSRMT_DATA*	D1T304S1	MEASR_COMP_ID, BO_STATUS_CD, BUS_OBJ_CD, D1_TO_DTTM, D1_FROM_DTTM	MEASR_COMP_ID, D1_TO_DTTM

***Note:** Within this upgrade the Initial Measurement Data secondary index columns have been changed as outlined in the table above.

Please be aware that implementing this change could take longer than expected depending on the amount of data present in the Initial Measurement Data table.

To manually create this index outside of the upgrade process, Oracle recommends you use the following steps:

1. CREATE INDEX ZZ_D1T304S1 ON D1_INIT_MSRMT_DATA (MEASR_COMP_ID,D1_TO_DTTM);
Include tablespace, compression, partitioning, and parallelism as required.
2. ALTER INDEX D1T304S1 RENAME TO ZZ_D1T304S1_ORIG;
3. ALTER INDEX ZZ_D1T304S1 RENAME TO D1T304S1;
4. ALTER INDEX D1T304S1 NOPARALLEL;
(Optional: If parallelism was used to create the index)
5. DROP INDEX ZZ_D1T304S1_ORIG;

Once the index is created with the new columns the upgrade process will not recreate it again.

New Views

View Name

D1_ACT_DVC_SP_VW

D1_BI_DYN_AGG_VW

Updated Views

View Name

D1_DVC_SP_VW

D1_INBOUND_COMM_VW

D1_INBOUND_COMM_VW

Chapter 4

Work and Asset Management Database Changes

This chapter provides lists of database changes in the 2.3.0.0.0 release of Oracle Utilities Work and Asset Management included in the 2.8.0.0.0 release of Oracle Utilities Customer To Meter. It includes:

- [New Tables](#)
- [New Views](#)
- [New Columns](#)
- [Column Changes](#)
- [New Indexes](#)
- [Dropped Columns](#)
- [Dropped Indexes](#)

Note: The new tables, new indexes, new columns, modified columns, and dropped columns described in this chapter, as well as the [Application Framework Database Changes](#), also apply to Oracle Utilities Operational Device Management.

New Tables

Table_Name
W1_ADJUSTMENT
W1_ADJUSTMENT_CHAR
W1_ADJUSTMENT_DOCUMENT
W1_ADJUSTMENT_DTL
W1_ADJUSTMENT_IDENTIFIER
W1_ADJUSTMENT_LOG
W1_ADJUSTMENT_TYPE
W1_ADJUSTMENT_TYPE_CHAR
W1_ADJUSTMENT_TYPE_L
W1_ADJUSTMENT_LOG_PARM
W1_CHANGE_REQ
W1_CHANGE_REQ_CHAR
W1_CHANGE_REQ_DOCUMENT
W1_CHANGE_REQ_LOG
W1_CHANGE_REQ_LOG_PARM
W1_CHANGE_REQ_APPR_PROF
W1_CHANGE_REQ_TYPE
W1_CHANGE_REQ_TYPE_CHAR
W1_CHANGE_REQ_TYPE_L
W1_CREW_STR_ASSN
W1_EMP_AUTO_TIMESHEET
W1_PROCESS
W1_PROCESS_CHAR
W1_PROCESS_DOCUMENT
W1_PROCESS_IDENTIFIER
W1_PROCESS_LOC
W1_PROCESS_LOG
W1_PROCESS_LOG_PARM
W1_PROCESS_TYPE
W1_PROCESS_TYPE_CHAR
W1_PROCESS_TYPE_L

Table_Name

W1_RCPT_LINE_SHIP_DEFICIENCY

W1_SHIP_DEFICIENCY_TYPE

W1_SHIP_DEFICIENCY_TYPE_CHAR

W1_SHIP_DEFICIENCY_TYPE_L

W1_SHIPPING_LINE

W1_SHIPPING_LINE_ASSET

W1_SHIPPING_LINE_CHAR

W1_SHIPPING_LINE_LOT

W1_SHIPPING_MEMO

W1_SHIPPING_MEMO_CHAR

W1_SHIPPING_MEMO_DOCUMENT

W1_SHIPPING_MEMO_IDENTIFIER

W1_SHIPPING_MEMO_LOG

W1_SHIPPING_MEMO_LOG_PARM

W1_SHIPPING_MEMO_NOTE

W1_TIMEKEEPER

W1_TIMEKEEPER_CHAR

W1_TIMEKEEPER_EMP

W1_TIMEKEEPER_L

W1_TIMEKEEPER_LOG

W1_TIMEKEEPER_LOG_PARM

W1_VENDOR_LOG

W1_VENDOR_LOG_PARM

New Views

View_Name

W1_BI_STOCK_ITEM_DTLS_F_VW

W1_BI_STOCK_ITEM_DTL_VW

W1_BI_STOCK_ITEM_VW

W1_BI_STOCK_TRANS_VW

W1_BI_STOREROOM_VW

New Columns

Table_Name	Column_Name	Data Type	Data Length
W1_ADJUSTMENT	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT	ADJUSTMENT_TYPE_CD	VARCHAR2	30
W1_ADJUSTMENT	APPROVAL_PROF_CD	VARCHAR2	30
W1_ADJUSTMENT	BO_DATA_AREA	CLOB	4000
W1_ADJUSTMENT	BO_STATUS_CD	CHAR	12
W1_ADJUSTMENT	BO_STATUS_REASON_CD	VARCHAR2	30
W1_ADJUSTMENT	BUS_OBJ_CD	CHAR	30
W1_ADJUSTMENT	CREATE_BY_USER	CHAR	8
W1_ADJUSTMENT	CRE_DTTM	DATE	7
W1_ADJUSTMENT	CURRENCY_CD	CHAR	3
W1_ADJUSTMENT	DESCR100	VARCHAR2	100
W1_ADJUSTMENT	DESCR254	VARCHAR2	254
W1_ADJUSTMENT	STATUS_UPD_DTTM	DATE	7
W1_ADJUSTMENT	TRANSFER_FLG	CHAR	4
W1_ADJUSTMENT	VERSION	NUMBER	22
W1_ADJUSTMENT_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_ADJUSTMENT_CHAR	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT_CHAR	CHAR_TYPE_CD	CHAR	8
W1_ADJUSTMENT_CHAR	CHAR_VAL	CHAR	16
W1_ADJUSTMENT_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_ADJUSTMENT_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_ADJUSTMENT_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_ADJUSTMENT_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_ADJUSTMENT_CHAR	CHAR_VAL_FK5	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_ADJUSTMENT_ CHAR	SEQ_NUM	NUMBER	22
W1_ADJUSTMENT_ CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_ADJUSTMENT_ CHAR	VERSION	NUMBER	22
W1_ADJUSTMENT_ DOCUMENT	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT_ DOCUMENT	ATTACHMENT_ID	CHAR	14
W1_ADJUSTMENT_ DOCUMENT	CRE_DTTM	DATE	7
W1_ADJUSTMENT_ DOCUMENT	DOCUMENT_ID	CHAR	12
W1_ADJUSTMENT_ DOCUMENT	USER_ID	CHAR	8
W1_ADJUSTMENT_ DOCUMENT	VERSION	NUMBER	22
W1_ADJUSTMENT_ DTL	ACT_ID	CHAR	14
W1_ADJUSTMENT_ DTL	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT_ DTL	AMT	NUMBER	22
W1_ADJUSTMENT_ DTL	COST_CENTER_CD	VARCHAR2	30
W1_ADJUSTMENT_ DTL	EXPENSE_CD	VARCHAR2	30
W1_ADJUSTMENT_ DTL	PRJ_ID	CHAR	12
W1_ADJUSTMENT_ DTL	VERSION	NUMBER	22
W1_ADJUSTMENT_ IDENTIFIER	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT_ IDENTIFIER	ADJUSTMENT_ID_TYPE_ FLG	CHAR	4
W1_ADJUSTMENT_ IDENTIFIER	VERSION	NUMBER	22
W1_ADJUSTMENT_ IDENTIFIER	W1_ID_VALUE	VARCHAR2	60

Table_Name	Column_Name	Data Type	Data Length
W1_ADJUSTMENT_ LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_ADJUSTMENT_ LOG	ADJUSTMENT_ID	CHAR	14
W1_ADJUSTMENT_ LOG	BO_STATUS_CD	CHAR	12
W1_ADJUSTMENT_ LOG	BO_STATUS_REASON_C D	VARCHAR2	30
W1_ADJUSTMENT_ LOG	CHAR_TYPE_CD	CHAR	8
W1_ADJUSTMENT_ LOG	CHAR_VAL	CHAR	16
W1_ADJUSTMENT_ LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_ADJUSTMENT_ LOG	CHAR_VAL_FK2	VARCHAR2	50
W1_ADJUSTMENT_ LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_ADJUSTMENT_ LOG	CHAR_VAL_FK4	VARCHAR2	50
W1_ADJUSTMENT_ LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_ADJUSTMENT_ LOG	DESCRLONG	VARCHAR2	4000
W1_ADJUSTMENT_ LOG	LOG_DTTM	DATE	7
W1_ADJUSTMENT_ LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_ADJUSTMENT_ LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_ADJUSTMENT_ LOG	MESSAGE_NBR	NUMBER	22
W1_ADJUSTMENT_ LOG	SEQNO	NUMBER	22
W1_ADJUSTMENT_ LOG	USER_ID	CHAR	8
W1_ADJUSTMENT_ LOG	VERSION	NUMBER	22
W1_ADJUSTMENT_ LOG_PARM	ADJUSTMENT_ID	CHAR	14

Table_Name	Column_Name	Data Type	Data Length
W1_ADJUSTMENT_ LOG_PARM	F1_MSG_PARM_VLONG	VARCHAR2	2000
W1_ADJUSTMENT_ LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_ADJUSTMENT_ LOG_PARM	PARM_SEQ	NUMBER	22
W1_ADJUSTMENT_ LOG_PARM	SEQNO	CHAR	5
W1_ADJUSTMENT_ LOG_PARM	VERSION	NUMBER	22
W1_ADJUSTMENT_ TYPE	ADJUSTMENT_BUS_OBJ_ CD	CHAR	30
W1_ADJUSTMENT_ TYPE	ADJUSTMENT_TYPE_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE	APPROVAL_PROF_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE	BO_DATA_AREA	CLOB	4000
W1_ADJUSTMENT_ TYPE	BUS_OBJ_CD	CHAR	30
W1_ADJUSTMENT_ TYPE	DISTRIBUTION_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE	OFFSET_COST_CENTER_ CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE	OFFSET_EXPENSE_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE	OWNING_ACCESS_GRP_ CD	CHAR	12
W1_ADJUSTMENT_ TYPE	VERSION	NUMBER	22
W1_ADJUSTMENT_ TYPE_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_ADJUSTMENT_ TYPE_CHAR	ADJUSTMENT_TYPE_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_TYPE_CD	CHAR	8
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL	CHAR	16
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL_FK1	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_ADJUSTMENT_ TYPE_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_ADJUSTMENT_ TYPE_CHAR	SEQ_NUM	NUMBER	22
W1_ADJUSTMENT_ TYPE_CHAR	SRCH_CHAR_VAL	VARCHAR2	22
W1_ADJUSTMENT_ TYPE_CHAR	VERSION	NUMBER	22
W1_ADJUSTMENT_ TYPE_L	ADJUSTMENT_TYPE_CD	VARCHAR2	30
W1_ADJUSTMENT_ TYPE_L	DESCR100	VARCHAR2	100
W1_ADJUSTMENT_ TYPE_L	LANGUAGE_CD	CHAR	3
W1_ADJUSTMENT_ TYPE_L	VERSION	NUMBER	22
W1_ASSET	CALENDAR_PM_RESET_ DT	DATE	7
W1_ASSESS_GRP	BUS_OBJ_CD	CHAR	30
W1_ASSET_NODE	ACT_ID	CHAR	14
W1_BI_STOCK_ITEM _DTLS_F_VW	SI_BELOW_MIN_QTY_ CNT	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	SI_BELOW_REORDER_ PT_CNT	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	SI_BELOW_SAFETY_ STOCK_CNT	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	STOCK_ITEM_DTL_CNT	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	STOCK_ITEM_DTL_ID	CHAR	12
W1_BI_STOCK_ITEM _DTLS_F_VW	STOCK_ITEM_ID	CHAR	12
W1_BI_STOCK_ITEM _DTLS_F_VW	STOREROOM	CHAR	12

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_INVENTORY_ AVAILABLE_QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_INVENTORY_ COST	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_INVENTORY_ ON_HAND_QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_INV_OUT_ STOCK_CNT	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_IN_RECEIPT_ QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_IN_TRANSFER_ QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_ON_DEMAND_ QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_ON_ORDER_ QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_PEND_RET_QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTLS_F_VW	TOTAL_RESERVED_QTY	NUMBER	22
W1_BI_STOCK_ITEM _DTL_VW	ABC_CLASS_FLG	CHAR	4
W1_BI_STOCK_ITEM _DTL_VW	AUTO_REORDER_FLG	CHAR	4
W1_BI_STOCK_ITEM _DTL_VW	BIN	VARCHAR2	100
W1_BI_STOCK_ITEM _DTL_VW	BIN_SEQNO	NUMBER	22
W1_BI_STOCK_ITEM _DTL_VW	BIN_TYPE_FLG	CHAR	4
W1_BI_STOCK_ITEM _DTL_VW	BO_STATUS_CD	CHAR	12
W1_BI_STOCK_ITEM _DTL_VW	BUYER_CD	VARCHAR2	30
W1_BI_STOCK_ITEM _DTL_VW	COPY_TO_PO_FLG	CHAR	4
W1_BI_STOCK_ITEM _DTL_VW	COST_CENTER_CD	VARCHAR2	30
W1_BI_STOCK_ITEM _DTL_VW	LEAD_TIME	NUMBER	22

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOCK_ITEM_DTL_VW	MANUFACTURER_PART_NO	VARCHAR2	60
W1_BI_STOCK_ITEM_DTL_VW	MASTER_STOCK_ITEM_DTL_ID	CHAR	12
W1_BI_STOCK_ITEM_DTL_VW	MAX_QTY	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	MIN_QTY	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	PI_RATIO	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	REORDER_POINT	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	REORDER_QTY	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	SAFETY_STOCK_QTY	NUMBER	22
W1_BI_STOCK_ITEM_DTL_VW	SID_CLASS_FLG	CHAR	4
W1_BI_STOCK_ITEM_DTL_VW	STOCK_ITEM_DTL_ID	CHAR	12
W1_BI_STOCK_ITEM_DTL_VW	TAX_RATE_SCHED_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_DTL_VW	UOI	VARCHAR2	30
W1_BI_STOCK_ITEM_DTL_VW	UOP	VARCHAR2	30
W1_BI_STOCK_ITEM_DTL_VW	VENDOR_LOC_ID	CHAR	12
W1_BI_STOCK_ITEM_DTL_VW	VENDOR_PART_NO	VARCHAR2	60
W1_BI_STOCK_ITEM_DTL_VW	VENDOR_PRI_FLG	CHAR	4
W1_BI_STOCK_ITEM_DTL_VW	W1_MANUFACTURER_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	ACPT_ON_RCPT_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	ADD_TO_BOM_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	BO_STATUS_CD	CHAR	12

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOCK_ITEM_VW	CAPITAL_SPARE_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	CMDTY_CAT_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	CMDTY_NAME_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	CMDTY_TYPE_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	DESCR100	VARCHAR2	100
W1_BI_STOCK_ITEM_VW	DESCRLONG	VARCHAR2	4000
W1_BI_STOCK_ITEM_VW	DO_NOT_SUB_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	EXPENSE_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	HAZARDOUS_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	HAZARD_TYPE_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	INVENTORY_EXPENSE_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	LOT_MANAGED_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	PURCHASE_CMDTY_CD	VARCHAR2	30
W1_BI_STOCK_ITEM_VW	REPAIRABLE_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	SHELF_LIFE	NUMBER	22
W1_BI_STOCK_ITEM_VW	STOCK_CAT_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	STOCK_INFORMATION	VARCHAR2	163
W1_BI_STOCK_ITEM_VW	STOCK_ITEM_CODE	VARCHAR2	60
W1_BI_STOCK_ITEM_VW	STOCK_ITEM_ID	CHAR	12
W1_BI_STOCK_ITEM_VW	TRACKABLE_FLG	CHAR	4

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOCK_ITEM_VW	TRUCK_STOCK_FLG	CHAR	4
W1_BI_STOCK_ITEM_VW	UNIT_PRICE	NUMBER	22
W1_BI_STOCK_TRANS_VW	ACCEPT_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	INITIATED_BY_MO_CD	CHAR	12
W1_BI_STOCK_TRANS_VW	INV_ADJ_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	MAT_ISSUE_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	MAT_RET_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	PI_CNT_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	PO_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	REQUESTED_BY_MO_CD	CHAR	12
W1_BI_STOCK_TRANS_VW	RTN_LINE_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	STOCK_ITEM_DTL_ID	CHAR	12
W1_BI_STOCK_TRANS_VW	STOCK_ITEM_ID	CHAR	12
W1_BI_STOCK_TRANS_VW	STOCK_TRANS_CNT	NUMBER	22
W1_BI_STOCK_TRANS_VW	STOCK_TRANS_ID	CHAR	14
W1_BI_STOCK_TRANS_VW	STOREROOM	CHAR	12
W1_BI_STOCK_TRANS_VW	TOTAL_INVENTORY_COST	NUMBER	22
W1_BI_STOCK_TRANS_VW	TOTAL_INVENTORY_ON_HAND_QTY	NUMBER	22
W1_BI_STOCK_TRANS_VW	TOTAL_IN_RECEIPT_QTY	NUMBER	22
W1_BI_STOCK_TRANS_VW	TOTAL_IN_TRANSFER_QTY	NUMBER	22

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOCK_TRANS_VW	TOTAL_ON_DEMAND_QTY	NUMBER	22
W1_BI_STOCK_TRANS_VW	TOTAL_ON_ORDER_QTY	NUMBER	22
W1_BI_STOCK_TRANS_VW	TOTAL_RESERVED_QTY	NUMBER	22
W1_BI_STOCK_TRANS_VW	UNIT_PRICE	NUMBER	22
W1_BI_STOCK_TRANS_VW	W1_TRANS_DT	DATE	7
W1_BI_STOREROOM_VW	ADDRESS1	VARCHAR2	254
W1_BI_STOREROOM_VW	ADDRESS2	VARCHAR2	254
W1_BI_STOREROOM_VW	ADDRESS3	VARCHAR2	254
W1_BI_STOREROOM_VW	ADDRESS4	VARCHAR2	254
W1_BI_STOREROOM_VW	BUYER_CD	VARCHAR2	30
W1_BI_STOREROOM_VW	CITY	VARCHAR2	90
W1_BI_STOREROOM_VW	COUNTRY	CHAR	3
W1_BI_STOREROOM_VW	DESCR100	VARCHAR2	100
W1_BI_STOREROOM_VW	LOCATION_CLASS_FLG	CHAR	4
W1_BI_STOREROOM_VW	NODE_DPOS_FLG	CHAR	4
W1_BI_STOREROOM_VW	NODE_TYPE_CD	VARCHAR2	30
W1_BI_STOREROOM_VW	PARENT_NODE_ID	CHAR	12
W1_BI_STOREROOM_VW	POSTAL	CHAR	12
W1_BI_STOREROOM_VW	STATE	CHAR	6
W1_BI_STOREROOM_VW	STOREROOM	CHAR	12

Table_Name	Column_Name	Data Type	Data Length
W1_BI_STOREROOM_VW	SUPERVISOR_ID	CHAR	12
W1_BI_STOREROOM_VW	W1_MAIN_CONTACT_ID	CHAR	12
W1_BI_STOREROOM_VW	W1_SUBURB	CHAR	64
W1_BI_WO_VW	ASSET_ID	CHAR	12
W1_CHANGE_REQ	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ	DESCR100	VARCHAR2	100
W1_CHANGE_REQ	W1_DESCR100_UPR	VARCHAR2	100
W1_CHANGE_REQ	DESCRLONG	VARCHAR2	4000
W1_CHANGE_REQ	CHANGE_REQ_TYPE_CD	VARCHAR2	30
W1_CHANGE_REQ	CHANGE_REQ_NUM	VARCHAR2	14
W1_CHANGE_REQ	APPROVAL_PROF_CD	VARCHAR2	30
W1_CHANGE_REQ	MAINT_OBJ_CD	CHAR	12
W1_CHANGE_REQ	PK_VALUE1	VARCHAR2	254
W1_CHANGE_REQ	PK_VALUE2	VARCHAR2	254
W1_CHANGE_REQ	PK_VALUE3	VARCHAR2	254
W1_CHANGE_REQ	PK_VALUE4	VARCHAR2	254
W1_CHANGE_REQ	PK_VALUE5	VARCHAR2	254
W1_CHANGE_REQ	BUS_OBJ_CD	CHAR	30
W1_CHANGE_REQ	BO_STATUS_CD	CHAR	12
W1_CHANGE_REQ	BO_STATUS_REASON_CD	VARCHAR2	30
W1_CHANGE_REQ	CRE_DTTM	DATE	7
W1_CHANGE_REQ	STATUS_UPD_DTTM	DATE	7
W1_CHANGE_REQ	FINAL_DTTM	DATE	7
W1_CHANGE_REQ	BO_DATA_AREA	CLOB	4000
W1_CHANGE_REQ	VERSION	NUMBER	22
W1_CHANGE_REQ	REQUIRED_BY_DT	DATE	7
W1_CHANGE_REQ	JUSTIFICATION	VARCHAR2	4000
W1_CHANGE_REQ	IMPACT	VARCHAR2	4000
W1_CHANGE_REQ	USER_ID	CHAR	8
W1_CHANGE_REQ	REQUESTOR_ID	CHAR	8

Table_Name	Column_Name	Data Type	Data Length
W1_CHANGE_REQ_ APPR_PROF	CHANGE_REQ_TYPE_CD	VARCHAR2	30
W1_CHANGE_REQ_ APPR_PROF	APPROVAL_PROF_CD	VARCHAR2	30
W1_CHANGE_REQ_ APPR_PROF	VERSION	NUMBER	22
W1_CHANGE_REQ_ CHAR	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ_ CHAR	CHAR_TYPE_CD	CHAR	8
W1_CHANGE_REQ_ CHAR	SEQ_NUM	NUMBER	22
W1_CHANGE_REQ_ CHAR	CHAR_VAL	CHAR	16
W1_CHANGE_REQ_ CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_CHANGE_REQ_ CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_CHANGE_REQ_ CHAR	VERSION	NUMBER	22
W1_CHANGE_REQ_ DOCUMENT	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ_ DOCUMENT	ATTACHMENT_ID	CHAR	14
W1_CHANGE_REQ_ DOCUMENT	DOCUMENT_ID	CHAR	12
W1_CHANGE_REQ_ DOCUMENT	CRE_DTTM	DATE	7
W1_CHANGE_REQ_ DOCUMENT	USER_ID	CHAR	8

Table_Name	Column_Name	Data Type	Data Length
W1_CHANGE_REQ_DOCUMENT	VERSION	NUMBER	22
W1_CHANGE_REQ_K	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ_K	ENV_ID	NUMBER	22
W1_CHANGE_REQ_LOG	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ_LOG	SEQNO	NUMBER	22
W1_CHANGE_REQ_LOG	CHAR_TYPE_CD	CHAR	8
W1_CHANGE_REQ_LOG	CHAR_VAL	CHAR	16
W1_CHANGE_REQ_LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_CHANGE_REQ_LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_CHANGE_REQ_LOG	CHAR_VAL_FK2	VARCHAR2	50
W1_CHANGE_REQ_LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_CHANGE_REQ_LOG	CHAR_VAL_FK4	VARCHAR2	50
W1_CHANGE_REQ_LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_CHANGE_REQ_LOG	DESCRLONG	VARCHAR2	4000
W1_CHANGE_REQ_LOG	LOG_DTTM	DATE	7
W1_CHANGE_REQ_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_CHANGE_REQ_LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_CHANGE_REQ_LOG	MESSAGE_NBR	NUMBER	22
W1_CHANGE_REQ_LOG	USER_ID	CHAR	8
W1_CHANGE_REQ_LOG	BO_STATUS_CD	CHAR	12
W1_CHANGE_REQ_LOG	BO_STATUS_REASON_CD	VARCHAR2	30

Table_Name	Column_Name	Data Type	Data Length
W1_CHANGE_REQ_ LOG	VERSION	NUMBER	22
W1_CHANGE_REQ_ LOG_PARM	CHANGE_REQ_ID	CHAR	14
W1_CHANGE_REQ_ LOG_PARM	SEQNO	NUMBER	22
W1_CHANGE_REQ_ LOG_PARM	PARM_SEQ	NUMBER	22
W1_CHANGE_REQ_ LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_CHANGE_REQ_ LOG_PARM	F1_MSG_PARM_VLONG	VARCHAR2	2000
W1_CHANGE_REQ_ LOG_PARM	VERSION	NUMBER	22
W1_CHANGE_REQ_ TYPE	CHANGE_REQ_TYPE_CD	VARCHAR2	30
W1_CHANGE_REQ_ TYPE	REL_OBJ_FLG	VARCHAR2	254
W1_CHANGE_REQ_ TYPE	BUS_OBJ_CD	CHAR	30
W1_CHANGE_REQ_ TYPE	CHANGE_REQ_BUS_OBJ _CD	CHAR	30
W1_CHANGE_REQ_ TYPE	BO_DATA_AREA	CLOB	4000
W1_CHANGE_REQ_ TYPE	VERSION	NUMBER	22
W1_CHANGE_REQ_ TYPE_CHAR	CHANGE_REQ_TYPE_CD	VARCHAR2	30
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_TYPE_CD	CHAR	8
W1_CHANGE_REQ_ TYPE_CHAR	SEQ_NUM	NUMBER	22
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL	CHAR	16
W1_CHANGE_REQ_ TYPE_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL_FK2	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_CHANGE_REQ_ TYPE_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_CHANGE_REQ_ TYPE_CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_CHANGE_REQ_ TYPE_CHAR	VERSION	NUMBER	22
W1_CHANGE_REQ_ TYPE_L	CHANGE_REQ_TYPE_CD	VARCHAR2	30
W1_CHANGE_REQ_ TYPE_L	LANGUAGE_CD	CHAR	3
W1_CHANGE_REQ_ TYPE_L	DESCR100	VARCHAR2	100
W1_CHANGE_REQ_ TYPE_L	VERSION	NUMBER	22
W1_CREW_STR_ASSN	W1_CREW_ID	CHAR	12
W1_CREW_STR_ASSN	NODE_ID	CHAR	12
W1_CREW_STR_ASSN	STOREROOM_CAT_FLG	CHAR	4
W1_CREW_STR_ASSN	PRIMARY_FLG	CHAR	4
W1_CREW_STR_ASSN	VERSION	NUMBER	22
W1_EMPLOYEE	AUTO_TS_CREATION	CHAR	1
W1_EMPLOYEE	AUTO_TS_CRE_END_DT	DATE	7
W1_EMPLOYEE	AUTO_TS_CRE_START_ DT	DATE	7
W1_EMPLOYEE	CALENDAR_CD	CHAR	8
W1_EMP_AUTO_ TIMESHEET	ACT_ID	CHAR	14
W1_EMP_AUTO_ TIMESHEET	CHARGE_TYPE_FLG	CHAR	4
W1_EMP_AUTO_ TIMESHEET	COST_CENTER_CD	VARCHAR2	30
W1_EMP_AUTO_ TIMESHEET	CREW_SHIFT_TYPE_CD	VARCHAR2	30
W1_EMP_AUTO_ TIMESHEET	EMPLOYEE_ID	CHAR	12

Table_Name	Column_Name	Data Type	Data Length
W1_EMP_AUTO_TIMESHEET	END_DT	DATE	7
W1_EMP_AUTO_TIMESHEET	EU_TYPE_CD	VARCHAR2	30
W1_EMP_AUTO_TIMESHEET	FRI	CHAR	1
W1_EMP_AUTO_TIMESHEET	HOURS	NUMBER	22
W1_EMP_AUTO_TIMESHEET	LABOR_EARNING_TYPE_CD	VARCHAR2	30
W1_EMP_AUTO_TIMESHEET	LAST_PROC_DT	DATE	7
W1_EMP_AUTO_TIMESHEET	MON	CHAR	1
W1_EMP_AUTO_TIMESHEET	OVERTIME_TYPE_CD	VARCHAR2	30
W1_EMP_AUTO_TIMESHEET	PRJ_ID	CHAR	12
W1_EMP_AUTO_TIMESHEET	REG_OVERTIME_FLG	CHAR	4
W1_EMP_AUTO_TIMESHEET	RESRC_TYPE_ID	CHAR	12
W1_EMP_AUTO_TIMESHEET	SAT	CHAR	1
W1_EMP_AUTO_TIMESHEET	SEQNO	NUMBER	22
W1_EMP_AUTO_TIMESHEET	START_DT	DATE	7
W1_EMP_AUTO_TIMESHEET	SUN	CHAR	1
W1_EMP_AUTO_TIMESHEET	THU	CHAR	1
W1_EMP_AUTO_TIMESHEET	TUE	CHAR	1
W1_EMP_AUTO_TIMESHEET	VERSION	NUMBER	22
W1_EMP_AUTO_TIMESHEET	WED	CHAR	1
W1_FT	ADJUSTMENT_ID	CHAR	14

Table_Name	Column_Name	Data Type	Data Length
W1_MAT_REQ_HEADER	MAT_REQ_HEADER_NUM	VARCHAR2	14
W1_MAT_REQ_HEADER	W1_REQUESTER_EMAIL	VARCHAR2	70
W1_NODE_TYPE	STOREROOM_CAT_FLG	CHAR	4
W1_PI_HEADER	PI_HEADER_NUM	VARCHAR2	14
W1_PROCESS	PROCESS_ID	CHAR	12
W1_PROCESS	PROCESS_TYPE_CD	VARCHAR2	30
W1_PROCESS	DESCR100	VARCHAR2	100
W1_PROCESS	W1_DESCR100_UPR	VARCHAR2	100
W1_PROCESS	DESCRLONG	VARCHAR2	4000
W1_PROCESS	BUS_OBJ_CD	CHAR	30
W1_PROCESS	BO_STATUS_CD	CHAR	12
W1_PROCESS	CRE_DTTM	DATE	7
W1_PROCESS	BO_STATUS_REASON_CD	VARCHAR2	30
W1_PROCESS	STATUS_UPD_DTTM	DATE	7
W1_PROCESS	MAINTMGR_CD	VARCHAR2	30
W1_PROCESS	PLANNER_CD	VARCHAR2	30
W1_PROCESS	BO_DATA_AREA	CLOB	4000
W1_PROCESS	VERSION	NUMBER	22
W1_PROCESS_CHAR	PROCESS_ID	CHAR	12
W1_PROCESS_CHAR	CHAR_TYPE_CD	CHAR	8
W1_PROCESS_CHAR	SEQ_NUM	NUMBER	22
W1_PROCESS_CHAR	CHAR_VAL	CHAR	16
W1_PROCESS_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_PROCESS_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_PROCESS_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_PROCESS_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_PROCESS_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_PROCESS_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_PROCESS_CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_PROCESS_CHAR	VERSION	NUMBER	22

Table_Name	Column_Name	Data Type	Data Length
W1_PROCESS_DOCUMENT	PROCESS_ID	CHAR	12
W1_PROCESS_DOCUMENT	DOCUMENT_ID	CHAR	12
W1_PROCESS_DOCUMENT	ATTACHMENT_ID	CHAR	14
W1_PROCESS_DOCUMENT	USER_ID	CHAR	8
W1_PROCESS_DOCUMENT	CRE_DTTM	DATE	7
W1_PROCESS_DOCUMENT	VERSION	NUMBER	22
W1_PROCESS_IDENTIFIER	PROCESS_ID	CHAR	12
W1_PROCESS_IDENTIFIER	PROCESS_ID_TYPE_FLG	CHAR	4
W1_PROCESS_IDENTIFIER	W1_ID_VALUE	VARCHAR2	60
W1_PROCESS_IDENTIFIER	VERSION	NUMBER	22
W1_PROCESS_K	PROCESS_ID	CHAR	12
W1_PROCESS_K	ENV_ID	NUMBER	22
W1_PROCESS_LOC	PROCESS_ID	CHAR	12
W1_PROCESS_LOC	NODE_ID	CHAR	12
W1_PROCESS_LOC	W1_INCL_CHILD_FLG	CHAR	4
W1_PROCESS_LOC	VERSION	NUMBER	22
W1_PROCESS_LOG	PROCESS_ID	CHAR	12
W1_PROCESS_LOG	SEQNO	NUMBER	22
W1_PROCESS_LOG	BO_STATUS_CD	CHAR	12
W1_PROCESS_LOG	BO_STATUS_REASON_CD	VARCHAR2	30
W1_PROCESS_LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_PROCESS_LOG	CHAR_TYPE_CD	CHAR	8
W1_PROCESS_LOG	CHAR_VAL	CHAR	16
W1_PROCESS_LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_PROCESS_LOG	CHAR_VAL_FK2	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_PROCESS_LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_PROCESS_LOG	CHAR_VAL_FK4	VARCHAR2	50
W1_PROCESS_LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_PROCESS_LOG	DESCRLONG	VARCHAR2	4000
W1_PROCESS_LOG	LOG_D'TM	DATE	7
W1_PROCESS_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_PROCESS_LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_PROCESS_LOG	MESSAGE_NBR	NUMBER	22
W1_PROCESS_LOG	USER_ID	CHAR	8
W1_PROCESS_LOG	VERSION	NUMBER	22
W1_PROCESS_LOG_ PARM	PROCESS_ID	CHAR	12
W1_PROCESS_LOG_ PARM	SEQNO	NUMBER	22
W1_PROCESS_LOG_ PARM	PARM_SEQ	NUMBER	22
W1_PROCESS_LOG_ PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_PROCESS_LOG_ PARM	F1_MSG_PARM_VLONG	VARCHAR2	2000
W1_PROCESS_LOG_ PARM	VERSION	NUMBER	22
W1_PROCESS_TYPE	PROCESS_TYPE_CD	VARCHAR2	30
W1_PROCESS_TYPE	BUS_OBJ_CD	CHAR	30
W1_PROCESS_TYPE	PROCESS_BUS_OBJ_CD	CHAR	30
W1_PROCESS_TYPE	BO_DATA_AREA	CLOB	4000
W1_PROCESS_TYPE	VERSION	NUMBER	22
W1_PROCESS_TYPE_ CHAR	PROCESS_TYPE_CD	VARCHAR2	30
W1_PROCESS_TYPE_ CHAR	CHAR_TYPE_CD	CHAR	8
W1_PROCESS_TYPE_ CHAR	SEQ_NUM	NUMBER	22
W1_PROCESS_TYPE_ CHAR	CHAR_VAL	CHAR	16

Table_Name	Column_Name	Data Type	Data Length
W1_PROCESS_TYPE_ CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_PROCESS_TYPE_ CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_PROCESS_TYPE_ CHAR	VERSION	NUMBER	22
W1_PROCESS_TYPE_ L	PROCESS_TYPE_CD	VARCHAR2	30
W1_PROCESS_TYPE_ L	LANGUAGE_CD	CHAR	3
W1_PROCESS_TYPE_ L	DESCR100	VARCHAR2	100
W1_PROCESS_TYPE_ L	VERSION	NUMBER	22
W1_RCPT_LINE_SHIP _DEFICIENCY	RCPT_LINE_ID	CHAR	14
W1_RCPT_LINE_SHIP _DEFICIENCY	SHIPMENT_DEFICIENCY _TYPE_CD	VARCHAR2	30
W1_RCPT_LINE_SHIP _DEFICIENCY	COMMENT_LONG	VARCHAR2	2000
W1_RCPT_LINE_SHIP _DEFICIENCY	RESOLVED_FLG	CHAR	4
W1_RCPT_LINE_SHIP _DEFICIENCY	VERSION	NUMBER	22
W1_RCPT_LINE_SHIP _DEFICIENCY	RESOLVED_DT	DATE	7
W1_RCPT_LINE_SHIP _DEFICIENCY	INITIATION_DT	DATE	7
W1_SHIP_ DEFICIENCY_TYPE	SHIPMENT_DEFICIENCY _TYPE_CD	VARCHAR2	30

Table_Name	Column_Name	Data Type	Data Length
W1_SHIP_ DEFICIENCY_TYPE	BUS_OBJ_CD	CHAR	30
W1_SHIP_ DEFICIENCY_TYPE	BO_DATA_AREA	CLOB	4000
W1_SHIP_ DEFICIENCY_TYPE	VERSION	NUMBER	22
W1_SHIP_DEFICIENC Y_TYPE_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_SHIP_DEFICIENC Y_TYPE_CHAR	SHIPMENT_DEFICIENCY _TYPE_CD	VARCHAR2	30
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_TYPE_CD	CHAR	8
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL	CHAR	16
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	SEQ_NUM	NUMBER	22
W1_SHIP_DEFICIENC Y_TYPE_CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_SHIP_DEFICIENC Y_TYPE_CHAR	VERSION	NUMBER	22
W1_SHIP_DEFICIENC Y_TYPE_L	SHIPMENT_DEFICIENCY _TYPE_CD	VARCHAR2	30
W1_SHIP_DEFICIENC Y_TYPE_L	DESCR100	VARCHAR2	100
W1_SHIP_DEFICIENC Y_TYPE_L	LANGUAGE_CD	CHAR	3
W1_SHIP_DEFICIENC Y_TYPE_L	VERSION	NUMBER	22
W1_SHIPPING_LINE	BO_DATA_AREA	CLOB	4000
W1_SHIPPING_LINE	BUS_OBJ_CD	CHAR	30

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_LINE	DESCR100	VARCHAR2	100
W1_SHIPPING_LINE	MAT_ISS_LINE_ID	CHAR	14
W1_SHIPPING_LINE	PO_ITEM_NUM	NUMBER	22
W1_SHIPPING_LINE	RESRC_TYPE_ID	CHAR	12
W1_SHIPPING_LINE	RESRC_UOM_CD	VARCHAR2	30
W1_SHIPPING_LINE	RTN_LINE_ID	CHAR	14
W1_SHIPPING_LINE	SHIPPING_LINE_ID	CHAR	14
W1_SHIPPING_LINE	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_LINE	VERSION	NUMBER	22
W1_SHIPPING_LINE	W1_QUANTITY	NUMBER	22
W1_SHIPPING_LINE_ ASSET	ASSET_ID	CHAR	12
W1_SHIPPING_LINE_ ASSET	MAT_ISS_LINE_ID	CHAR	14
W1_SHIPPING_LINE_ ASSET	SHIPPING_LINE_ID	CHAR	14
W1_SHIPPING_LINE_ ASSET	VERSION	NUMBER	22
W1_SHIPPING_LINE_ CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_SHIPPING_LINE_ CHAR	CHAR_TYPE_CD	CHAR	8
W1_SHIPPING_LINE_ CHAR	CHAR_VAL	CHAR	16
W1_SHIPPING_LINE_ CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_SHIPPING_LINE_ CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_SHIPPING_LINE_ CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_SHIPPING_LINE_ CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_SHIPPING_LINE_ CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_SHIPPING_LINE_ CHAR	SEQ_NUM	NUMBER	22
W1_SHIPPING_LINE_ CHAR	SHIPPING_LINE_ID	CHAR	14

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_LINE_CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_SHIPPING_LINE_CHAR	VERSION	NUMBER	22
W1_SHIPPING_LINE_K	ENV_ID	NUMBER	22
W1_SHIPPING_LINE_K	SHIPPING_LINE_ID	CHAR	14
W1_SHIPPING_LINE_LOT	LOT_ID	VARCHAR2	100
W1_SHIPPING_LINE_LOT	MAT_ISS_LINE_ID	CHAR	14
W1_SHIPPING_LINE_LOT	SHIPPING_LINE_ID	CHAR	14
W1_SHIPPING_LINE_LOT	VERSION	NUMBER	22
W1_SHIPPING_LINE_LOT	W1_QUANTITY	NUMBER	22
W1_SHIPPING_MEMO	ADDRESS1	VARCHAR2	254
W1_SHIPPING_MEMO	ADDRESS2	VARCHAR2	254
W1_SHIPPING_MEMO	ADDRESS3	VARCHAR2	254
W1_SHIPPING_MEMO	ADDRESS4	VARCHAR	254
W1_SHIPPING_MEMO	BO_DATA_AREA	CLOB	4000
W1_SHIPPING_MEMO	BO_STATUS_CD	CHAR	12
W1_SHIPPING_MEMO	BO_STATUS_REASON_CD	VARCHAR2	30
W1_SHIPPING_MEMO	BUS_OBJ_CD	CHAR	30
W1_SHIPPING_MEMO	CITY	VARCHAR2	90
W1_SHIPPING_MEMO	COUNTRY	CHAR	3
W1_SHIPPING_MEMO	COUNTY	VARCHAR2	90

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_MEMO	CRE_DTTM	DATE	7
W1_SHIPPING_MEMO	DESCR100	VARCHAR2	100
W1_SHIPPING_MEMO	FINAL_DTTM	DATE	7
W1_SHIPPING_MEMO	GEO_CODE	CHAR	11
W1_SHIPPING_MEMO	HOUSE_TYPE	CHAR	2
W1_SHIPPING_MEMO	IN_CITY_LIMIT	CHAR	1
W1_SHIPPING_MEMO	MAT_REQ_HEADER_ID	CHAR	14
W1_SHIPPING_MEMO	NUM1	CHAR	6
W1_SHIPPING_MEMO	NUM2	CHAR	4
W1_SHIPPING_MEMO	POSTAL	CHAR	12
W1_SHIPPING_MEMO	PO_HEADER_ID	CHAR	14
W1_SHIPPING_MEMO	RMA_NUM	VARCHAR2	30
W1_SHIPPING_MEMO	SHIP_TO_VENDOR_LOC_ID	CHAR	12
W1_SHIPPING_MEMO	SHIPPED_DT	DATE	7
W1_SHIPPING_MEMO	SHIPPING_MEMO_CAT_FLG	CHAR	4
W1_SHIPPING_MEMO	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO	SHIPPING_MEMO_NUM	VARCHAR2	14
W1_SHIPPING_MEMO	STATE	CHAR	6
W1_SHIPPING_MEMO	STATUS_UPD_DTTM	DATE	7
W1_SHIPPING_MEMO	TRACKING_NUM	VARCHAR2	30

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_MEMO	USER_ID	CHAR	8
W1_SHIPPING_MEMO	VENDOR_LOC_ID	CHAR	12
W1_SHIPPING_MEMO	VERSION	NUMBER	22
W1_SHIPPING_MEMO	W1_CONTACT_EMAIL	VARCHAR2	70
W1_SHIPPING_MEMO	W1_CONTACT_NAME	VARCHAR2	254
W1_SHIPPING_MEMO	W1_DESCR100_UPR	VARCHAR2	100
W1_SHIPPING_MEMO	W1_PHONE	VARCHAR2	24
W1_SHIPPING_MEMO_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_SHIPPING_MEMO_CHAR	CHAR_TYPE_CD	CHAR	8
W1_SHIPPING_MEMO_CHAR	CHAR_VAL	CHAR	16
W1_SHIPPING_MEMO_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	SEQ_NUM	NUMBER	22
W1_SHIPPING_MEMO_CHAR	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO_CHAR	SRCH_CHAR_VAL	VARCHAR2	50
W1_SHIPPING_MEMO_CHAR	VERSION	NUMBER	22
W1_SHIPPING_MEMO_DOCUMENT	ATTACHMENT_ID	CHAR	14

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_MEMO_DOCUMENT	CRE_DTTM	DATE	7
W1_SHIPPING_MEMO_DOCUMENT	DOCUMENT_ID	CHAR	12
W1_SHIPPING_MEMO_DOCUMENT	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO_DOCUMENT	USER_ID	CHAR	8
W1_SHIPPING_MEMO_DOCUMENT	VERSION	NUMBER	22
W1_SHIPPING_MEMO_IDENTIFIER	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO_IDENTIFIER	SHIPPING_MEMO_ID_TY PE_FLG	CHAR	4
W1_SHIPPING_MEMO_IDENTIFIER	VERSION	NUMBER	22
W1_SHIPPING_MEMO_IDENTIFIER	W1_ID_VALUE	VARCHAR2	60
W1_SHIPPING_MEMO_K	ENV_ID	NUMBER	22
W1_SHIPPING_MEMO_K	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO_LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_SHIPPING_MEMO_LOG	BO_STATUS_CD	CHAR	12
W1_SHIPPING_MEMO_LOG	BO_STATUS_REASON_C D	VARCHAR2	30
W1_SHIPPING_MEMO_LOG	CHAR_TYPE_CD	CHAR	8
W1_SHIPPING_MEMO_LOG	CHAR_VAL	CHAR	16
W1_SHIPPING_MEMO_LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_SHIPPING_MEMO_LOG	CHAR_VAL_FK2	VARCHAR2	50
W1_SHIPPING_MEMO_LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_SHIPPING_MEMO_LOG	CHAR_VAL_FK4	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_ MEMO_LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_SHIPPING_ MEMO_LOG	DESCRLONG	VARCHAR2	4000
W1_SHIPPING_ MEMO_LOG	LOG_DTTM	DATE	7
W1_SHIPPING_ MEMO_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_SHIPPING_ MEMO_LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_SHIPPING_ MEMO_LOG	MESSAGE_NBR	NUMBER	22
W1_SHIPPING_ MEMO_LOG	SEQNO	NUMBER	22
W1_SHIPPING_ MEMO_LOG	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_ MEMO_LOG	USER_ID	CHAR	8
W1_SHIPPING_ MEMO_LOG	VERSION	NUMBER	22
W1_SHIPPING_ MEMO_LOG_PARM	F1_MSG_PARM_VLONG	VARCHAR2	2000
W1_SHIPPING_ MEMO_LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_SHIPPING_ MEMO_LOG_PARM	PARM_SEQ	NUMBER	22
W1_SHIPPING_ MEMO_LOG_PARM	SEQNO	NUMBER	22
W1_SHIPPING_ MEMO_LOG_PARM	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_ MEMO_LOG_PARM	VERSION	NUMBER	22
W1_SHIPPING_ MEMO_NOTE	NOTE_DTTM	DATE	7
W1_SHIPPING_ MEMO_NOTE	NOTE_TYPE_FLG	CHAR	4
W1_SHIPPING_ MEMO_NOTE	NOTE_VALUE	VARCHAR2	4000
W1_SHIPPING_ MEMO_NOTE	SEQNO	NUMBER	22

Table_Name	Column_Name	Data Type	Data Length
W1_SHIPPING_MEMO_NOTE	SHIPPING_MEMO_ID	CHAR	14
W1_SHIPPING_MEMO_NOTE	USER_ID	CHAR	8
W1_SHIPPING_MEMO_NOTE	VERSION	NUMBER	22
W1_STOCK_ITEM_DTL	EXPENSE_CD	VARCHAR2	30
W1_TIMEKEEPER	BO_DATA_AREA	CLOB	4000
W1_TIMEKEEPER	BO_STATUS_CD	CHAR	12
W1_TIMEKEEPER	BO_STATUS_REASON_CD	VARCHAR2	30
W1_TIMEKEEPER	BUS_OBJ_CD	CHAR	30
W1_TIMEKEEPER	CRE_DTTM	DATE	7
W1_TIMEKEEPER	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER	USER_ID	CHAR	8
W1_TIMEKEEPER	VERSION	NUMBER	22
W1_TIMEKEEPER_CHAR	ADHOC_CHAR_VAL	VARCHAR2	254
W1_TIMEKEEPER_CHAR	CHAR_TYPE_CD	CHAR	8
W1_TIMEKEEPER_CHAR	CHAR_VAL	CHAR	16
W1_TIMEKEEPER_CHAR	CHAR_VAL_FK1	VARCHAR2	50
W1_TIMEKEEPER_CHAR	CHAR_VAL_FK2	VARCHAR2	50
W1_TIMEKEEPER_CHAR	CHAR_VAL_FK3	VARCHAR2	50
W1_TIMEKEEPER_CHAR	CHAR_VAL_FK4	VARCHAR2	50
W1_TIMEKEEPER_CHAR	CHAR_VAL_FK5	VARCHAR2	50
W1_TIMEKEEPER_CHAR	SEQ_NUM	NUMBER	22
W1_TIMEKEEPER_CHAR	SRCH_CHAR_VAL	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_TIMEKEEPER_ CHAR	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER_ CHAR	VERSION	NUMBER	22
W1_TIMEKEEPER_ EMP	EMPLOYEE_ID	CHAR	12
W1_TIMEKEEPER_ EMP	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER_ EMP	VERSION	NUMBER	22
W1_TIMEKEEPER_L	DESCR100	VARCHAR2	100
W1_TIMEKEEPER_L	LANGUAGE_CD	CHAR	3
W1_TIMEKEEPER_L	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER_L	VERSION	NUMBER	22
W1_TIMEKEEPER_ LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_TIMEKEEPER_ LOG	BO_STATUS_CD	CHAR	12
W1_TIMEKEEPER_ LOG	BO_STATUS_REASON_ CD	VARCHAR2	30
W1_TIMEKEEPER_ LOG	CHAR_TYPE_CD	CHAR	8
W1_TIMEKEEPER_ LOG	CHAR_VAL	CHAR	16
W1_TIMEKEEPER_ LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_TIMEKEEPER_ LOG	CHAR_VAL_FK2	VARCHAR2	50
W1_TIMEKEEPER_ LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_TIMEKEEPER_ LOG	CHAR_VAL_FK4	VARCHAR2	50
W1_TIMEKEEPER_ LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_TIMEKEEPER_ LOG	DESCRLONG	VARCHAR2	4000
W1_TIMEKEEPER_ LOG	LOG_DTTM	DATE	7

Table_Name	Column_Name	Data Type	Data Length
W1_TIMEKEEPER_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_TIMEKEEPER_LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_TIMEKEEPER_LOG	MESSAGE_NBR	NUMBER	22
W1_TIMEKEEPER_LOG	SEQNO	NUMBER	22
W1_TIMEKEEPER_LOG	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER_LOG	USER_ID	CHAR	8
W1_TIMEKEEPER_LOG	VERSION	NUMBER	22
W1_TIMEKEEPER_LOG_PARM	F1_MSG_PARM_VLONG	VARCHAR2	1000
W1_TIMEKEEPER_LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_TIMEKEEPER_LOG_PARM	PARM_SEQ	NUMBER	22
W1_TIMEKEEPER_LOG_PARM	SEQNO	NUMBER	22
W1_TIMEKEEPER_LOG_PARM	TIMEKEEPER_CD	VARCHAR2	30
W1_TIMEKEEPER_LOG_PARM	VERSION	NUMBER	22
W1_TMPL_ACT	BACK_LOG_GRP_FLG	CHAR	4
W1_TMPL_ACT	OUTAGE_TYPE_FLG	CHAR	4
W1_TMPL_ACT	WORK_PRIORITY_FLG	CHAR	4
W1_TMPL_WO	W1_CREW_ID	CHAR	12
W1_VENDOR_LOG	VENDOR_CD	VARCHAR2	30
W1_VENDOR_LOG	SEQNO	NUMBER	22
W1_VENDOR_LOG	CHAR_TYPE_CD	CHAR	8
W1_VENDOR_LOG	CHAR_VAL	CHAR	16
W1_VENDOR_LOG	ADHOC_CHAR_VAL	VARCHAR2	254
W1_VENDOR_LOG	CHAR_VAL_FK1	VARCHAR2	50
W1_VENDOR_LOG	CHAR_VAL_FK2	VARCHAR2	50

Table_Name	Column_Name	Data Type	Data Length
W1_VENDOR_LOG	CHAR_VAL_FK3	VARCHAR2	50
W1_VENDOR_LOG	CHAR_VAL_FK4	VARCHAR2	50
W1_VENDOR_LOG	CHAR_VAL_FK5	VARCHAR2	50
W1_VENDOR_LOG	DESCRLONG	VARCHAR2	4000
W1_VENDOR_LOG	LOG_D'TM	DATE	7
W1_VENDOR_LOG	LOG_ENTRY_TYPE_FLG	CHAR	4
W1_VENDOR_LOG	MESSAGE_CAT_NBR	NUMBER	22
W1_VENDOR_LOG	MESSAGE_NBR	NUMBER	22
W1_VENDOR_LOG	USER_ID	CHAR	8
W1_VENDOR_LOG	BO_STATUS_CD	CHAR	12
W1_VENDOR_LOG	BO_STATUS_REASON_CD	VARCHAR2	30
W1_VENDOR_LOG	VERSION	NUMBER	22
W1_VENDOR_LOG_PARM	VENDOR_CD	VARCHAR2	30
W1_VENDOR_LOG_PARM	SEQNO	NUMBER	22
W1_VENDOR_LOG_PARM	PARM_SEQ	NUMBER	22
W1_VENDOR_LOG_PARM	MSG_PARM_TYP_FLG	CHAR	4
W1_VENDOR_LOG_PARM	F1_MSG_PARM_VLONG	VARCHAR2	2000
W1_VENDOR_LOG_PARM	VERSION	NUMBER	22

Column Changes

Table Name	Column Name	New Data Type	New Length	Old Data Type	Old Length
W1_ASSESS_GRP	BUS_OBJ_CD	CHAR	30	VARCHAR2	25
W1_BI_ASTAVAILWO_VW	ECONOMIC_REMAIN_LIFE_YRS	VARCHAR2	40		
W1_BI_ASTAVAILWO_VW	REMAIN_LIFE_YRS	VARCHAR2	40		

Table Name	Column Name	New Precision	New Scale	Old Precision	Old Scale
W1_ACTIVITY_ASSET	PERCENTAGE	8	5	3	0
W1_ACTIVITY_COST_CENTER	PERCENTAGE	8	5	3	0
W1_INVOICE_HEADER_COST	PERCENTAGE	8	5	3	0
W1_INVOICE_LINE_COST_CE	PERCENTAGE	8	5	3	0
W1_MAT_REQ_HEADER_COS	PERCENTAGE	8	5	3	0
W1_MAT_RET_HEADER_COST	PERCENTAGE	8	5	3	0
W1_NODE_COST_CENTER	PERCENTAGE	8	5	3	0
W1_ODC_DTL_COST	PERCENTAGE	8	5	3	0
W1_PO_HEADER_COST_CEN	PERCENTAGE	8	5	3	0
W1_PO_LINE_COST_CENTER	PERCENTAGE	8	5	3	0
W1_PROJECT_COST_CENTER	PERCENTAGE	8	5	3	0
W1_PR_HDR_COST_CTR	PERCENTAGE	8	5	3	0
W1_PR_LINE_COST	PERCENTAGE	8	5	3	0
W1_TIMSHEETDTL_COST_CT	PERCENTAGE	8	5	3	0
W1_TMPL_ACT_COST_CENTE	PERCENTAGE	8	5	3	0
W1_TMPL_ACT_COST_DIST	PERCENTAGE	8	5	3	0
W1_WO_COST_CENTER	PERCENTAGE	8	5	3	0

New Indexes

Table_Name	Index_Name	Column_Name
W1_ACPT_LINE	W1W1T475S2	
W1_ACPT_LINE	W1T475S2	
W1_ACTIVITY_IDENTIFIER	W1T247S1	
W1_ACT_RESRC_REQMT_IDENTIFIER	W1T375S1	
W1_ADJUSTMENT	W1C890P0	
W1_ADJUSTMENT_DOCUMENT	W1C895P0	
W1_ADJUSTMENT_DTL	W1C891P0	
W1_ADJUSTMENT_IDENTIFIER	W1C893P0	
W1_ADJUSTMENT_LOG	W1C896P0	
W1_ADJUSTMENT_LOG_PARM	W1C897P0	

Table_Name	Index_Name	Column_Name
W1_ADJUSTMENT_TYPE	W1889P0	
W1_ADJUSTMENT_TYPE_CHAR	W1C892S1	
W1_ADJUSTMENT_TYPE_CHAR	W1C900P0	
W1_ADJUSTMENT_TYPE_L	W1C899P0	
W1_APPROVAL_PROF_IDENTIFIERS	W1C560S1	
W1_APPROVAL_REQ_IDENTIFIERS	W1T294S1	
W1_ASSET	W1M007S8	MAINT_SPEC_CD
W1_ASSET_IDENTIFIERS	W1M014S1	
W1_BC_HEADER_IDENTIFIERS	W1T349S1	
W1_BC_LINE	W1T355S2	
W1_BC_LINE	W1T355S3	
W1_BUYER_IDENTIFIERS	W1C677S1	
W1_CHANGE_REQ	W1T936P0	
W1_CHANGE_REQ	W1T936S1	
W1_CHANGE_REQ	W1T936S2	
W1_CHANGE_REQ	W1T936S3	
W1_CHANGE_REQ	W1T936S4	
W1_CHANGE_REQ	W1T936S5	
W1_CHANGE_REQ	W1T936S6	
W1_CHANGE_REQ_APPR_PROF	W1C935P0	
W1_CHANGE_REQ_CHAR	W1T937P0	
W1_CHANGE_REQ_CHAR	W1T937S1	
W1_CHANGE_REQ_DOCUMENT	W1T940P0	
W1_CHANGE_REQ_K	W1T941P0	
W1_CHANGE_REQ_LOG	W1T938P0	
W1_CHANGE_REQ_LOG	W1T938S1	
W1_CHANGE_REQ_LOG	W1T938S2	
W1_CHANGE_REQ_LOG_PARM	W1T939P0	
W1_CHANGE_REQ_TYPE	W1C932P0	
W1_CHANGE_REQ_TYPE_CHAR	W1C934P0	
W1_CHANGE_REQ_TYPE_CHAR	W1C934S1	
W1_CHANGE_REQ_TYPE_L	W1C933P0	
W1_CONFIG_IDENTIFIERS	W1M487S1	

Table_Name	Index_Name	Column_Name
W1_CONFIG_RPT_IDENTIFIER	W1M494S1	
W1_COST_CENTER_IDENTIFIER	W1M708S2	
W1_CREW_IDENTIFIER	W1M519S1	
W1_CREW_STR_ASSN	W1M919P0	
W1_DOCUMENT_IDENTIFIER	W1M580S2	
W1_EMPLOYEE_IDENTIFIER	W1M505S1	
W1_EMP_AUTO_TIMESHEET	W1M954P0	EMPLOYEE_ID
W1_EMP_AUTO_TIMESHEET	W1M954P0	SEQNO
W1_EU_IDENTIFIER	W1M513S1	
W1_EXPEDITE_IDENTIFIER	W1T499S1	
W1_EXPENSE_CD_IDENTIFIER	W1M709S2	
W1_INVOICE_HEADER_IDENTIFIER	W1T503S1	
W1_INVOICE_LINE	W1T509S2	
W1_INVOICE_LINE_IDENTIFIER	W1T527S2	
W1_MAINT_EVENT_IDENTIFIER	W1M716S1	
W1_MAINT_SCHEDULE_IDENTIFIER	W1M655S1	
W1_MAINT_TRIGGER_IDENTIFIER	W1M701S1	
W1_MANUFACTURER_IDENTIFIER	W1C225S1	
W1_MAT_DISP_IDENTIFIER	W1T459S1	
W1_MAT_REQ_HEADER	W1T378S2	MAT_REQ_HEADER_ID
W1_MAT_REQ_HEADER	W1T378S2	MAT_REQ_HEADER_NUM
W1_MAT_REQ_LINE	W1T384S5	ACT_RESRC_REQMT_ID
W1_MAT_RET_LINE	W1T400S1	
W1_MEASUREMENT_TYPE_IDENTIFIER	W1C522S1	
W1_ODC_DTL	W1T340S2	
W1_ODC_IDENTIFIER	W1T335S1	
W1_PI_CNT_LINE	W1T329S2	
W1_PI_CNT_MST	W1T324S2	
W1_PI_HEADER	W1T319S2	PI_HEADER_ID
W1_PI_HEADER	W1T319S2	PI_HEADER_NUM
W1_PO_HEADER	W1T410S2	BO_STATUS_CD

Table_Name	Index_Name	Column_Name
W1_PO_HEADER	W1T410S2	BUS_OBJ_CD
W1_PO_HEADER	W1T410S2	PO_HEADER_ID
W1_PO_HEADER	W1T410S3	VENDOR_LOC_ID
W1_PO_HEADER	W1T410S4	CURRENCY_CD
W1_PO_LINE	W1T418S4	BO_STATUS_CD
W1_PO_LINE	W1T418S4	BUS_OBJ_CD
W1_PO_LINE	W1T418S4	PO_LINE_ID
W1_PO_LINE	W1T418S2	
W1_PO_LINE	W1T418S3	
W1_PR_LINE	W1T443S2	
W1_PROCESS	W1M923P0	
W1_PROCESS_CHAR	W1M926P0	
W1_PROCESS_DOCUMENT	W1M930P0	
W1_PROCESS_IDENTIFIER	W1M927P0	
W1_PROCESS_K	W1M924P0	
W1_PROCESS_LOC	W1M925P0	
W1_PROCESS_LOG	W1M928P0	
W1_PROCESS_LOG_PARM	W1M929P0	
W1_PROCESS_TYPE	W1C920P0	
W1_PROCESS_TYPE_CHAR	W1C921P0	
W1_PROCESS_TYPE_L	W1C922P0	
W1_PROJECT_IDENTIFIER	W1M603S1	
W1_PR_HDR_IDENTIFIER	W1T436S2	
W1_RCPT_HDR_IDENTIFIER	W1T462S1	
W1_RCPT_LINE	W1T468S2	
W1_RCPT_LINE_SHIP_DEFICIENCY	W1T916P0	
W1_RESRC_TYPE_IDENTIFIER	W1M558S1	
W1_RTN_LINE	W1M637S2	PO_LINE_ID
W1_RTN_LINE	W1M637S2	RTN_LINE_ID
W1_RTN_LINE	W1M637S3	STOCK_ITEM_DTL_ID
W1_SHIP_DEFICIENCY_TYPE	W1C923P0	
W1_SHIP_DEFICIENCY_TYPE_CHAR	W1C924P0	

Table_Name	Index_Name	Column_Name
W1_SHIP_DEFICIENCY_TYPE_CHAR	W1C924S1	
W1_SHIP_DEFICIENCY_TYPE_L	W1C925P0	
W1_SHIPPING_LINE	W1T911P0	
W1_SHIPPING_LINE	W1T911S1	
W1_SHIPPING_LINE	W1T911S2	
W1_SHIPPING_LINE	W1T911S3	
W1_SHIPPING_LINE	W1T911S4	
W1_SHIPPING_LINE	W1T911S5	
W1_SHIPPING_LINE	W1T911S6	
W1_SHIPPING_LINE_ASSET	W1T913P0	
W1_SHIPPING_LINE_ASSET	W1T913S1	
W1_SHIPPING_LINE_ASSET	W1T913S2	
W1_SHIPPING_LINE_CHAR	W1T914S1	
W1_SHIPPING_LINE_CHAR	W1T915P0	
W1_SHIPPING_LINE_LOT	W1T912P0	
W1_SHIPPING_LINE_LOT	W1T912S1	
W1_SHIPPING_LINE_LOT	W1T912S2	
W1_SHIPPING_MEMO	W1T903P0	
W1_SHIPPING_MEMO	W1T903S2	
W1_SHIPPING_MEMO	W1T903S3	
W1_SHIPPING_MEMO	W1T903S4	
W1_SHIPPING_MEMO	W1T903S5	
W1_SHIPPING_MEMO	W1T903S6	
W1_SHIPPING_MEMO	W1T903S7	SHIP_TO_VENDOR_LOC_ID
W1_SHIPPING_MEMO_CHAR	W1T904P0	
W1_SHIPPING_MEMO_CHAR	W1T904S1	
W1_SHIPPING_MEMO_DOCUMENT	W1T908P0	
W1_SHIPPING_MEMO_DOCUMENT	W1T905P0	
W1_SHIPPING_MEMO_IDENTIFIER	W1T905P0	
W1_SHIPPING_MEMO_IDENTIFIER	W1T905S1	
W1_SHIPPING_MEMO_K	W1T910P0	
W1_SHIPPING_MEMO_LOG	W1T906P0	

Table_Name	Index_Name	Column_Name
W1_SHIPPING_MEMO_LOG	W1T906S1	
W1_SHIPPING_MEMO_LOG	W1T906S2	
W1_SHIPPING_MEMO_LOG_PARM	W1T907P0	
W1_SHIPPING_MEMO_NOTE	W1T909P0	
W1_SPECIFICATION_IDENTIFIER	W1C229S1	
W1_STOCK_ITEM_DTL	W1M568S2	NODE_ID
W1_STOCK_ITEM_DTL	W1M568S2	RESRC_TYPE_ID
W1_STOCK_ITEM_DTL	W1M568S2	STOCK_ITEM_DTL_ID
W1_STOCK_ITEM_DTL	W1M568S3	MASTER_STOCK_ITEM_DTL_ID
W1_STOCK_ITEM_DTL_IDENTIFIER	W1M712S1	
W1_STOCK_TRANS	W1T306S2	ST_REL_FLG
W1_STOCK_TRANS	W1T306S3	PARENT_MO_CD
W1_STOCK_TRANS	W1T306S3	PARENT_PK1
W1_STOCK_TRANS	W1T306S4	SIBLING_MO_CD
W1_STOCK_TRANS	W1T306S4	SIBLING_PK1
W1_STOCK_TRANS	W1T306S5	STOCK_ITEM_DTL_ID
W1_SVC_HIST_IDENTIFIER	W1M280S1	
W1_TIMEKEEPER	W1C948P0	TIMEKEEPER_CD
W1_TIMEKEEPER_CHAR	W1C950P0	CHAR_TYPE_CD
W1_TIMEKEEPER_CHAR	W1C950P0	SEQ_NUM
W1_TIMEKEEPER_CHAR	W1C950P0	TIMEKEEPER_CD
W1_TIMEKEEPER_EMP	W1C949P0	EMPLOYEE_ID
W1_TIMEKEEPER_EMP	W1C949P0	TIMEKEEPER_CD
W1_TIMEKEEPER_L	W1C951P0	LANGUAGE_CD
W1_TIMEKEEPER_L	W1C951P0	TIMEKEEPER_CD
W1_TIMEKEEPER_LOG	W1C952P0	SEQNO
W1_TIMEKEEPER_LOG	W1C952P0	TIMEKEEPER_CD
W1_TIMEKEEPER_LOG_PARM	W1C953P0	PARAM_SEQ
W1_TIMEKEEPER_LOG_PARM	W1C953P0	SEQNO
W1_TIMEKEEPER_LOG_PARM	W1C953P0	TIMEKEEPER_CD
W1_TIMESHEET_DETAIL	W1M595S2	

Table_Name	Index_Name	Column_Name
W1_TIMESHEET_IDENTIFIER	W1M590S1	
W1_TMPL_ACT_IDENTIFIER	W1M621S1	
W1_TMPL_ACT_RSRC_IDENTIFIER	W1M629S1	
W1_TMPL_WO	W1M610S3	
W1_TMPL_WO_IDENTIFIER	W1M612S1	
W1_VENDOR_IDENTIFIER	W1M635S2	
W1_VENDOR_LOC	W1M637S1	VENDOR_CD
W1_VENDOR_LOC	W1M637S1	VENDOR_LOC_ID
W1_VENDOR_LOC_IDENTIFIER	W1M639S2	
W1_VENDOR_LOG	W1M943P0	
W1_VENDOR_LOG	W1M943S1	
W1_VENDOR_LOG	W1M943S2	
W1_VENDOR_LOG_PARM	W1M944P0	
W1_WARRANTY_IDENTIFIER	W1M525S1	
W1_WORK_LOC_IDENTIFIER	W1M725S1	
W1_WORK_REQ_IDENTIFIER	W1T299S1	
W1_WO_IDENTIFIER	W1T233S1	

Dropped Columns

Table_Name	Column_Name
W1_BI_ASSETCOST_VW	ACQUISITION_COST
W1_BI_ASSETCOST_VW	BOOK_VALUE
W1_BI_ASSETCOST_VW	CORE_CHRG
W1_BI_ASSETCOST_VW	DISPOSAL_COST
W1_BI_ASSETCOST_VW	HOURLY_OUT_COST
W1_BI_ASSETCOST_VW	REPLACEMENT_COST
W1_BI_ASSETCOST_VW	SALVAGE_COST
W1_BI_ASTAVAILWO_VW	CREATE_DTTM
W1_TMPL_WO	WORK_CATEGORY_FLG
W1_TMPL_WO	WORK_CLASS_FLG

W1_WO	WORK_CATEGORY_FLG
W1_WO	WORK_CLASS_FLG

Dropped Indexes

Table_Name	Index_Name
W1_ACTIVITY_IDENTIFIER	W1T247S1
W1_ACTIVITY_TYPE_IDENTIFIER	W1C242S1
W1_ACT_RESRC_REQMT_IDENTIFIER	W1T375S1
W1_APPROVAL_PROF_IDENTIFIER	W1C560S1
W1_APPROVAL_REQ_IDENTIFIER	W1T294S1
W1_ASSET_IDENTIFIER	W1M014S1
W1_BC_HEADER_IDENTIFIER	W1T349S1
W1_BUYER_IDENTIFIER	W1C677S1
W1_CONFIG_IDENTIFIER	W1M487S1
W1_CONFIG_RPT_IDENTIFIER	W1M494S1
W1_COST_CENTER_IDENTIFIER	W1M708S2
W1_CREW_IDENTIFIER	W1M519S1
W1_DOCUMENT_IDENTIFIER	W1M580S2
W1_EMPLOYEE_IDENTIFIER	W1M505S1
W1_EU_IDENTIFIER	W1M513S1
W1_EXPEDITE_IDENTIFIER	W1T499S1
W1_EXPENSE_CD_IDENTIFIER	W1M709S2
W1_INVOICE_HEADER_IDENTIFIER	W1T503S1
W1_INVOICE_LINE_IDENTIFIER	W1T527S2
W1_MAINT_EVENT_IDENTIFIER	W1M716S1
W1_MAINT_SCHEDULE_IDENTIFIER	W1M655S1
W1_MAINT_TRIGGER_IDENTIFIER	W1M701S1
W1_MANUFACTURER_IDENTIFIER	W1C225S1
W1_MAT_DISP_IDENTIFIER	W1T459S1
W1_MEASUREMENT_TYPE_IDENTIFIER	W1C522S1
W1_ODC_IDENTIFIER	W1T335S1
W1_PROJECT_IDENTIFIER	W1M603S1

Table_Name	Index_Name
W1_PR_HDR_IDENTIFIER	W1T436S2
W1_RCPT_HDR_IDENTIFIER	W1T462S1
W1_RESRC_TYPE_IDENTIFIER	W1M558S1
W1_SPECIFICATION_IDENTIFIER	W1C229S1
W1_STOCK_ITEM_DTL_IDENTIFIER	W1M712S1
W1_SVC_HIST_IDENTIFIER	W1M280S1
W1_TIMESHEET_IDENTIFIER	W1M590S1
W1_TMPL_ACT_IDENTIFIER	W1M621S1
W1_TMPL_ACT_RSRC_IDENTIFIER	W1M629S1
W1_TMPL_WO_IDENTIFIER	W1M612S1
W1_VENDOR_IDENTIFIER	W1M635S2
W1_VENDOR_LOC_IDENTIFIER	W1M639S2
W1_WARRANTY_IDENTIFIER	W1M525S1
W1_WORK_LOC_IDENTIFIER	W1M725S1
W1_WORK_REQ_IDENTIFIER	W1T299S1
W1_WO_IDENTIFIER	W1T233S1

Chapter 5

Application Framework Database Changes

This chapter provides lists of database changes in Oracle Utilities Application Framework V4.4.0.3.0 included with Oracle Utilities Customer To Meter V2.8.0.0.0. It includes:

- [New Tables](#)
- [New Indexes](#)
- [Modified Indexes](#)
- [New Columns](#)
- [New Views](#)
- [Database Parameter Changes](#)

New Tables

Table_Name
CI_ACC_GRP_ROLE
F1_ACTION_METHOD
F1_ACTION_METHOD_L
F1_ACTION_METHOD_CHAR
F1_COLOR_OPT
F1_COLOR_OPT_ITEM
F1_COLOR_OPT_L
F1_DATA_EXPORT_CTRL
F1_DATA_EXPORT_CTRL_LOG
F1_DATA_EXPORT_CTRL_LOG_PARM
F1_FILE_INT_REC
F1_FILE_INT_REC_L
F1_FILE_INT_REC_ALG
F1_FILE_INT_TYPE
F1_FILE_INT_TYPE_L
F1_INSIGHT_GRP
F1_INSIGHT_GRP_L
F1_INSIGHT_GRP_TYPE
F1_INSIGHT_GRP_VISUAL_STR
F1_INSIGHT_GRP_CHAR
F1_INSIGHT_TYPE
F1_INSIGHT_TYPE_ALG
F1_INSIGHT_TYPE_CHAR
F1_INSIGHT_TYPE_L
F1_INSIGHT_TYPE_USER_ACT
F1_INSIGHT_TYPE_USER_ACT_ALG
F1_INSIGHT_TYPE_VISUAL_SETTING
F1_MD_BI_TBL
F1_MD_BI_TBL_L
F1_MD_BI_TBL_FLD

Table_Name
F1_MO_UPD
F1_TREE
F1_TREE_L
F1_TREE_NODE
F1_TREE_NODE_L
F1_TREE_NODE_ALG

New Indexes

Table_Name	Index_Name
F1_ATTACHMENT	F1T819S3

Modified Indexes

Table_Name	Index_Name
F1_ATTACHMENT	F1T819S1

New Columns

Table_Name	Column_Name	Data Type	Data Length
CI_BATCH_INST	END_DTTM	Date/Time	26
CI_BATCH_INST	FILE_DETAILS	CLOB	
CI_BATCH_INST	START_DTTM	Date/Time	26
CI_BATCH_JOB	SUBMIT_METH_FLG	CHAR	4
CI_BATCH_JOB	SUBMIT_USER_ID	CHAR	8
CI_CHAR_TYPE	FLD_NAME	CHAR	30
CI_MD_FLD_L	CONTEXT_LABEL_TYPE1	CHAR	4
CI_MD_FLD_L	CONTEXT_LABEL_TYPE2	CHAR	4

Table_Name	Column_Name	Data Type	Data Length
CI_MD_FLD_L	CONTEXT_LABEL_TYPE3	CHAR	4
CI_MD_FLD_L	CONTEXT_LABEL1	VARCHAR2	60
CI_MD_FLD_L	CONTEXT_LABEL2	VARCHAR2	60
CI_MD_FLD_L	CONTEXT_LABEL3	VARCHAR2	60
CI_MD_FLD_L	OVRD_CONTEXT_LABEL1	VARCHAR2	60
CI_MD_FLD_L	OVRD_CONTEXT_LABEL2	VARCHAR2	60
CI_MD_FLD_L	OVRD_CONTEXT_LABEL3	VARCHAR2	60
CI_MD_TBL	KEY_PREFIX_FLD_NAME	CHAR	30
F1_IWS_SVC	IWS_REST_VER_FLG	CHAR	4
F1_LGCY_OBJ*	LGCY_CAT_FLG	CHAR	4
F1_LGCY_OBJ*	CHANGE_REF_NAME	VARCHAR2	30
F1_MD_BI_TBL	F1_BI_HIER_DEFN	VARCHAR2	4000
F1_MD_BI_TBL	F1_BI_NAME	VARCHAR2	100
F1_MD_BI_TBL_ FLD	LOGICAL_DM_NAME	VARCHAR2	60
F1_MIGR_DATA_ ST_TBL	RECORD_COUNT	NUMBER	9
SC_USER	DASHBOARD_LOC_FLG	CHAR	4
SC_USER	DASHBOARD_STATE_FLG	CHAR	4

*Table used by internal processes.

New Views

View
F1_CAL_WEEK_D
F1_CAL_MONTH_D
F1_CAL_QUARTER_D
F1_CAL_YEAR_D
F1_CAL_FISC_PERIOD_D
F1_CAL_FISC_QUARTER_D
F1_CAL_FISC_YEAR_D

Database Parameter Changes

The **max_string_size** database initialization parameter was changed from **STANDARD** to **EXTENDED** to support 32k bytes for VARCHAR2 data types.