

Oracle Utilities Customer Care and Billing

Database Changes Guide

Release 25.4

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Oracle Utilities Customer Care and Billing 25.4 Database Changes Guide

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Preface

Welcome to the Oracle Utilities Customer Care and Billing Database Changes Guide. This guide provides the list of database changes in the following:

- Oracle Utilities Customer Care and Billing V25.4
- Oracle Utilities Application Framework from V4.5.0.1.1 to V25.4

The preface includes the following:

- [Audience](#)
- [Related Documents](#)
- [Updates to this Documentation](#)
- [Conventions](#)
- [Acronyms](#)
- [Documentation Accessibility](#)

Audience

This guide is intended for database administrators who will be installing and maintaining the database for Oracle Utilities Customer Care and Billing.

Related Documents

For more information, refer to these Oracle documents:

Installation Guides and Release Notes

- *Oracle Utilities Customer Care and Billing Release Notes*
- *Oracle Utilities Customer Care and Billing Quick Install Guide*
- *Oracle Utilities Customer Care and Billing Installation Guide*
- *Oracle Utilities Customer Care and Billing Database Administrator's Guide*
- *Oracle Utilities Customer Care and Billing Database Changes Guide*
- *Oracle Utilities Customer Care and Billing Optional Products Installation Guide*
- *Oracle Utilities Customer Care and Billing Licensing Information User Manual*

Administrative and Business User Guides

- *Oracle Utilities Customer Care and Billing Administrative User Guide*
- *Oracle Utilities Customer Care and Billing Business User Guide*

Supplemental Documents

- *Server Administration Guide*
- *Security Guide*

Updates to this Documentation

This documentation is provided with the version of the product indicated. Additional and updated information about the operations and configuration of the product is available from the Knowledge Base section of [My Oracle Support](#). Please refer to [My Oracle Support](#) for more information.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.

Convention	Meaning
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Acronyms

The following terms are used in this document:

Term	Expanded form
CCB	Oracle Utilities Customer Care and Billing
OUAF	Oracle Utilities Application Framework

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the [Oracle Accessibility Program](#) website.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more information, visit [My Oracle Support](#) or [Oracle Accessibility Learning and Support](#) if you are hearing impaired.

Chapter 1

Introduction

This chapter describes the changes in the Oracle Utilities Customer Care and Billing database for this release:

- [Oracle Utilities Customer Care and Billing Database Changes](#)
- [Oracle Utilities Application Framework Database Changes](#)

Chapter 2

Oracle Utilities Customer Care and Billing Database Changes

This chapter provides lists of database changes in the 25.4 release of Oracle Utilities Customer Care and Billing. It includes the following:

- [New Tables](#)
- [New Indexes](#)
- [New Columns](#)
- [Modified Columns](#)
- [Dropped Columns](#)
- [Other Database Changes](#)

New Tables

Table	Name	Description
C1_COLL_PROC_ARS_HIST	Collection Process Arrears History	Used to capture a history of arrears amounts and cancellation thresholds for collection processes.
C1_COLL_PROC_SA_ARS_HIST	Collection Process SA Arrears History	Used to capture a history of arrears amounts and cancellation thresholds for collection processes.
C1_OD_PROC_ARS_HIST	Overdue Process Arrears History	Used to capture a history of arrears amounts and cancellation thresholds for overdue processes.
C1_SEV_PROC_ARS_HIST	Severance Process Arrears History	Used to capture a history of arrears amounts and cancellation thresholds for severance processes.
C1_BI_BILL_OVERVIEW	Billing Overview	Used to capture details about a bill.
C1_OUTAGE_EVT	Outage Event	Used to capture outage event details.
C1_OUTAGE_EVT_CHAR	Outage Event Character	Used to capture outage event character details.

New Indexes

Table_Name	Index_Name
CI_PREM	XM174S8
CI_CC	XT057S8
C1_COLL_PROC_ARS_HIST	C1T164P0
C1_COLL_PROC_SA_ARS_HIST	C1T165P0
C1_COLL_PROC_SA_ARS_HIST	C1T165S1
C1_OD_PROC_ARS_HIST	C1T167P0
C1_SEV_PROC_ARS_HIST	C1T166P0
CI_CC_LOG	XT281S2
C1_OFFCYC_BGEN_BSEG	C1T160S1
C1_BI_BILL_OVERVIEW	C1T168P0
CI_PAY	XT156S4
C1_OUTAGE_EVT	C1T169P0
C1_OUTAGE_EVT	C1T169S1
C1_OUTAGE_EVT	C1T169S1

Table_Name	Index_Name
C1_OUTAGE_EVT_CHAR	C1T170P0
C1_OUTAGE_EVT_CHAR	C1T170S1
C1_PER_CONTDDET	C1T009S3
CI_PER_PHONE	XM172S2
CI_PER	XM169S1

New Columns

Table_Name	Column_Name	Data Type	Data Length
C1_CS_REQ_TYPE_REL_UPD	REL_UPD_RESPONSE_VALUE	VARC	254
C1_CS_REQ_TYPE_REL_UPD	UPDATE_VALUE	VARC	254
C1_COLL_PROC_ARS_HIST	ARS_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_COLL_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_COLL_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_COLL_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	COLL_PROC_ID	CHAR	10
C1_COLL_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_COLL_PROC_ARS_HIST	DEBT_CLASS_SW	CHAR	1
C1_COLL_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_COLL_PROC_ARS_HIST	ILM_DT	DATE	10
C1_COLL_PROC_ARS_HIST	SEQNO	NUMB	5,0
C1_COLL_PROC_ARS_HIST	UNADJ_ARS_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	VERSION	NUMB	5,2
C1_COLL_PROC_SA_ARS_HIST	ARS_AMT	NUMB	15,2
C1_COLL_PROC_SA_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_COLL_PROC_SA_ARS_HIST	COLL_PROC_ID	CHAR	10
C1_COLL_PROC_SA_ARS_HIST	SA_ID	CHAR	10
C1_COLL_PROC_SA_ARS_HIST	SEQNO	NUMB	5,0
C1_COLL_PROC_SA_ARS_HIST	VERSION	NUMB	5,0
C1_OD_PROC_ARS_HIST	ARS_AMT	NUMB	15,2

Table_Name	Column_Name	Data Type	Data Length
C1_OD_PROC_ARS_HIST	ARS_AMT_INDT_SW	CHAR	1
C1_OD_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_OD_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_OD_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_OD_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_OD_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_OD_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_OD_PROC_ARS_HIST	ILM_DT	DATE	10
C1_OD_PROC_ARS_HIST	OD_PROC_ID	CHAR	12
C1_OD_PROC_ARS_HIST	SEQNO	NUMB	5,0
C1_OD_PROC_ARS_HIST	VERSION	NUMB	5,0
C1_RC_CALC_IN_GTT	C1_PERCENTAGE	NUMB	11,8
C1_RC_CALC_IN_GTT	C1_UNIT_PRICE	NUMB	19,8
C1_RC_CALC_IN_GTT	CHARGE	NUMB	19,8
C1_RC_CALC_IN_GTT	SEASON_END_DT	DATE	10
C1_RC_CALC_IN_GTT	SEASON_START_DT	DATE	10
C1_RC_CALC_IN_GTT	STEP_SQ_HIGH_VAL	NUMB	18,4
C1_RC_CALC_IN_GTT	STEP_SQ_LOW_VAL	NUMB	18,4
C1_RC_CALC_IN_GTT	STEP_SQ_SEQ	NUMB	5,0
C1_RC_CALC_IN_GTT	VAL_PERIOD_END_DT	DATE	10
C1_RC_CALC_IN_GTT	VAL_PERIOD_START_DT	DATE	10
C1_SEV_PROC_ARS_HIST	ARS_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_SEV_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_SEV_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_SEV_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_SEV_PROC_ARS_HIST	DEBT_CLASS_SW	CHAR	1
C1_SEV_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_SEV_PROC_ARS_HIST	ILM_DT	DATE	10
C1_SEV_PROC_ARS_HIST	SEQNO	NUMB	5,0
C1_SEV_PROC_ARS_HIST	SEV_PROC_ID	CHAR	10

Table_Name	Column_Name	Data Type	Data Length
C1_SEV_PROC_ARS_HIST	UNADJ_ARS_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	VERSION	NUMB	5,0
C1_COLL_PROC_ARS_HIST	ARS_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_COLL_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_COLL_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_COLL_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	COLL_PROC_ID	CHAR	10
C1_COLL_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_COLL_PROC_ARS_HIST	DEBT_CLASS_SW	CHAR	1
C1_COLL_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_COLL_PROC_ARS_HIST	ILM_DT	DATE	10
C1_COLL_PROC_ARS_HIST	SEQNO	NUMB	5,0
C1_COLL_PROC_ARS_HIST	UNADJ_ARS_AMT	NUMB	15,2
C1_COLL_PROC_ARS_HIST	VERSION	NUMB	5,2
C1_COLL_PROC_SA_ARS_HIST	ARS_AMT	NUMB	15,2
C1_COLL_PROC_SA_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_COLL_PROC_SA_ARS_HIST	COLL_PROC_ID	CHAR	10
C1_COLL_PROC_SA_ARS_HIST	SA_ID	CHAR	10
C1_COLL_PROC_SA_ARS_HIST	SEQNO	NUMB	5,0
C1_COLL_PROC_SA_ARS_HIST	VERSION	NUMB	5,0
C1_OD_PROC_ARS_HIST	ARS_AMT	NUMB	15,2
C1_OD_PROC_ARS_HIST	ARS_AMT_INDT_SW	CHAR	1
C1_OD_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_OD_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_OD_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_OD_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_OD_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_OD_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_OD_PROC_ARS_HIST	ILM_DT	DATE	10
C1_OD_PROC_ARS_HIST	OD_PROC_ID	CHAR	12
C1_OD_PROC_ARS_HIST	SEQNO	NUMB	5,0

Table_Name	Column_Name	Data Type	Data Length
C1_OD_PROC_ARS_HIST	VERSION	NUMB	5,0
C1_RC_CALC_IN_GTT	C1_PERCENTAGE	NUMB	11,8
C1_RC_CALC_IN_GTT	C1_UNIT_PRICE	NUMB	19,8
C1_RC_CALC_IN_GTT	CHARGE	NUMB	19,8
C1_RC_CALC_IN_GTT	SEASON_END_DT	DATE	10
C1_RC_CALC_IN_GTT	SEASON_START_DT	DATE	10
C1_RC_CALC_IN_GTT	STEP_SQ_HIGH_VAL	NUMB	18,4
C1_RC_CALC_IN_GTT	STEP_SQ_LOW_VAL	NUMB	18,4
C1_RC_CALC_IN_GTT	STEP_SQ_SEQ	NUMB	5,0
C1_RC_CALC_IN_GTT	VAL_PERIOD_END_DT	DATE	10
C1_RC_CALC_IN_GTT	VAL_PERIOD_START_DT	DATE	10
C1_SEV_PROC_ARS_HIST	ARS_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	ARS_HIST_TYPE_FLG	CHAR	4
C1_SEV_PROC_ARS_HIST	BO_XML_DATA_AREA	XML	1073741824
C1_SEV_PROC_ARS_HIST	BUS_OBJ_CD	CHAR	30
C1_SEV_PROC_ARS_HIST	CAN_THR_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	CRE_DTTM	DTTM	26
C1_SEV_PROC_ARS_HIST	DEBT_CLASS_SW	CHAR	1
C1_SEV_PROC_ARS_HIST	ILM_ARCH_SW	CHAR	1
C1_SEV_PROC_ARS_HIST	ILM_DT	DATE	10
C1_SEV_PROC_ARS_HIST	SEQNO	NUMB	5,0
C1_SEV_PROC_ARS_HIST	SEV_PROC_ID	CHAR	10
C1_SEV_PROC_ARS_HIST	UNADJ_ARS_AMT	NUMB	15,2
C1_SEV_PROC_ARS_HIST	VERSION	NUMB	5,0
C1_BI_BILL_OVERVIEW	ACCOUNTING_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	ACCT_ID	CHAR	10
C1_BI_BILL_OVERVIEW	ADJ_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	APAY_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	APAY_CRE_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	APAY_STOP_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	APAY_STOP_CRE_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	APAY_STOP_DTTM	DTTM	26,0

Table_Name	Column_Name	Data Type	Data Length
C1_BI_BILL_OVERVIEW	APAY_STOP_USER_ID	CHAR	8
C1_BI_BILL_OVERVIEW	BILL_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	BILL_CNT	NUMBER	1,0
C1_BI_BILL_OVERVIEW	BILL_CYC_CD	CHAR	4
C1_BI_BILL_OVERVIEW	BILL_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	BILL_EXCP_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	BILL_EXCP_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	BILL_ID	CHAR	12
C1_BI_BILL_OVERVIEW	BILL_STAT_FLG	CHAR	2
C1_BI_BILL_OVERVIEW	BILL_WIN_OPEN_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	BKT_COMPL_DAYS_IN_WIN_CD	VARCHAR2	30
C1_BI_BILL_OVERVIEW	BKT_COMPL_DAYS_IN_WIN_SEQ_NUM	NUMBER	3,0
C1_BI_BILL_OVERVIEW	BKT_DAYS_WIN_CLOSSES_CD	VARCHAR2	30
C1_BI_BILL_OVERVIEW	BKT_DAYS_WIN_CLOSSES_SEQ_NUM	NUMBER	3,0
C1_BI_BILL_OVERVIEW	BSEG_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	BSEG_EXCP_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	BSEG_EXCP_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	CANCELED_ADJ_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	CANCELED_ADJ_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	CANCELED_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	CANCELED_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	COMPLETED_BILL_CNT	NUMBER	1,0
C1_BI_BILL_OVERVIEW	COMPLETED_OUTSIDE_WIN_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	COMPLETED_WITHIN_WIN_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	COMPLETE_DTTM	DTTM	26,0
C1_BI_BILL_OVERVIEW	CRE_DTTM	DTTM	26,0
C1_BI_BILL_OVERVIEW	CR_NOTE_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	DAYS_BEFORE_BILL_WIN_CLOSSES	NUMBER	5,0
C1_BI_BILL_OVERVIEW	DAYS_COMPLETED_AFTER_WIN_END	NUMBER	5,0
C1_BI_BILL_OVERVIEW	DAYS_COMPLETED_AFTER_WIN_START	NUMBER	5,0

Table_Name	Column_Name	Data Type	Data Length
C1_BI_BILL_OVERVIEW	DAYS_CREATED_AFTER_WIN_START	NUMBER	5,0
C1_BI_BILL_OVERVIEW	DUE_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	ERRORED_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	ERROR_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	EST_BSEG_AMT	NUMBER	15,2
C1_BI_BILL_OVERVIEW	EST_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	EST_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	FREEZABLE_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	FREEZABLE_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	FROZEN_ADJ_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	FROZEN_ADJ_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	FROZEN_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	FROZEN_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	HIGH_BILL_CASE_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	HIGH_BILL_CASE_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	ILM_ARCH_SW	CHAR	1
C1_BI_BILL_OVERVIEW	ILM_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	INCOMPLETE_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	INCOMPLETE_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	IN_ERROR_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	LATE_PAY_CHARGE_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	LATE_PAY_CHARGE_SW	CHAR	1
C1_BI_BILL_OVERVIEW	OFFCYC_BGEN_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	PENDING_BILL_CNT	NUMBER	1,0
C1_BI_BILL_OVERVIEW	PEND_CANCEL_BSEG_CNT	NUMBER	10,0
C1_BI_BILL_OVERVIEW	PEND_CANCEL_BSEG_IND	NUMBER	1,0
C1_BI_BILL_OVERVIEW	PER_ID	CHAR	10
C1_BI_BILL_OVERVIEW	WIN_END_DT	DATE	10,0
C1_BI_BILL_OVERVIEW	WIN_START_DT	DATE	10,0
C1_OUTAGE_EVT	BO_STATUS_CD	CHAR	12
C1_OUTAGE_EVT	BO_XML_DATA_AREA	XML	1073741824
C1_OUTAGE_EVT	BUS_OBJ_CD	CHAR	30

Table_Name	Column_Name	Data Type	Data Length
C1_OUTAGE_EVT	EXT_EVENT_ID	VARC	254
C1_OUTAGE_EVT	ILM_ARCH_SW	CHAR	1
C1_OUTAGE_EVT	ILM_DT	DATE	10
C1_OUTAGE_EVT	IMP_CUST_NBR	NUMB	9,0
C1_OUTAGE_EVT	MESSAGE_REF	VARC	254
C1_OUTAGE_EVT	NT_XID_CD	CHAR	30
C1_OUTAGE_EVT	OTG_END_DTTM	DTTM	26
C1_OUTAGE_EVT	OTG_ERT_DTTM	DTTM	26
C1_OUTAGE_EVT	OTG_EVENT_ID	CHAR	14
C1_OUTAGE_EVT	OTG_START_DTTM	DTTM	26
C1_OUTAGE_EVT	OTG_TYPE_FLG	CHAR	4
C1_OUTAGE_EVT	UPD_DTTM	DTTM	26
C1_OUTAGE_EVT	VERSION	NUMB	5,0
C1_OUTAGE_EVT_CHAR	ADHOC_CHAR_VAL	VARC	254
C1_OUTAGE_EVT_CHAR	CHAR_TYPE_CD	CHAR	8
C1_OUTAGE_EVT_CHAR	CHAR_VAL	CHAR	16
C1_OUTAGE_EVT_CHAR	CHAR_VAL_FK1	VARC	50
C1_OUTAGE_EVT_CHAR	CHAR_VAL_FK2	VARC	50
C1_OUTAGE_EVT_CHAR	CHAR_VAL_FK3	VARC	50
C1_OUTAGE_EVT_CHAR	CHAR_VAL_FK4	VARC	50
C1_OUTAGE_EVT_CHAR	CHAR_VAL_FK5	VARC	50
C1_OUTAGE_EVT_CHAR	OTG_EVENT_ID	CHAR	14
C1_OUTAGE_EVT_CHAR	SEQ_NUM	NUMB	3,0
C1_OUTAGE_EVT_CHAR	SRCH_CHAR_VAL	VARC	50
C1_OUTAGE_EVT_CHAR	VERSION	NUMB	5,0
CI_CC	CC_SRC_FLG	CHAR	4
CI_CC	CC_SUMMARY	VARC	4000

Modified Columns

Table_Name	Column_Name	From	To
C1_CS_REQ_TYPE_QUESTION	QUESTION_APPL_FLG	NULLABLE	NOT NULLABLE
C1_CS_REQ_SA_SP	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
C1_RC_READ_GTT	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
CI_BCHG_READ	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
CI_BCHG_UP_READ	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
CI_BSEG_READ	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
CI_SA_SP	USE_PCT	NUMBER(3,0)	NUMBER(5,2)
C1_MKTMSG_CHG_DTL	MKT_PRICE_PER_UNIT	NUMB 15,2	NUMB 19,6

Dropped Columns

Table_Name	Column_Name
C1_CS_REQ_TYPE_QUESTION	C1_ANSWER_CD
C1_CS_REQ_TYPE_SVC_CRIT	START_SA_OVRD_SW
C1_CS_REQ_TYPE_SVC_CRIT	STOP_SA_OVRD_SW
C1_QUESTION_ANSWER	C1_ANSWER_STYLE_FLG
C1_QUESTION_ANSWER	CHAR_TYPE_CD
C1_CS_REQ_TYPE_QUESTION	C1_ANSWER_CD

Other Database Changes

This release of Oracle Utilities Customer Care and Billing also includes the following database changes:

- [Oracle Utilities Application Framework Database Changes](#)

Chapter 3

Oracle Utilities Application Framework Database Changes

This chapter provides lists of database changes in Oracle Utilities Application Framework 25.4 included with the 25.4 release of Oracle Utilities Customer Care and Billing.

It includes the following:

- [New Tables](#)
- [New Columns](#)
- [Updated Columns](#)
- [New Indexes](#)
- [New Views](#)
- [Updated Views](#)
- [Updated Primary Key](#)

New Tables

Table	Name	Description
F1_MST_CONFIG_CHAR	Master Configuration Characteristics	Future use only.
F1_BUS_OBJ_STATUS_VW	Business Object Status View	New view populates status description with the override description (if populated) otherwise with the description. SQLs that need the BO status description can use this view instead of doing the work to check the override description.
F1_BUS_OBJ_STATUS_RS N_VW	Status Reason View	New view populates status reason description with the override description (if populated) otherwise with the description. SQLs that need the BO status reason description can use this view instead of doing the work to check the override description.
F1_PROD_METRIC_TYPE	Product Metric Type	Internal use only.
F1_PROD_METRIC_TYPE _L	Product Metric Type Language	Internal use only.
F1_PROD_METRIC_SNPS HT	Product Metric Snapshot	Internal use only.
F1_PROD_METRIC_SNPS HT_K	Product Metric Snapshot Key	Internal use only.
F1_PROD_METRIC_SNPS HT_VAL	Product Metric Values	Used to store Product Metric snapshot data
CI_BATCH_CTRL_OPT	Batch Control Option	Used to store batch control option
F1_PATCH_DETAILS	Patch Details	Internal Use Only.
F1_ATTACHMENT_DATA	Store file detail information	Used to store file attachment information

*Future use only.

New Columns

Table_Name	Column_Name	Data Type	Data Length
F1_MIGR_REQ_INSTR	ENTITY_TAG	Varchar2	30

Table_Name	Column_Name	Data Type	Data Length
C1_TD_ENTRY	TD_SUB_STATUS_FLG	Flag	4
C1_TD_LOG	TD_LOG_STATUS_FLG	Flag	4
CI_TD_ENTRY	RTE_BATCH_CD	Character	8
CI_TD_ENTRY	RTE_BATCH_NBR	Number	10
F1_BUS_OBJ_STATUS_L	DESCR_OVRD	VARCHAR2	60
F1_BUS_OBJ_STATUS_RSN_L	DESCR_OVRD	VARCHAR2	60
F1_BUS_OBJ_TR_RULE_L	BO_NEXT_STATUS_OVRD_LBL	VARCHAR2	60
F1_MST_CONFIG	CONFIG_PART_NAME	VARCHAR2	254
F1_MST_CONFIG	CONFIG_CLS_FLG	CHAR	4
CI_PORTAL	PORTAL_ROLE_FLG	CHAR	4
CI_ZONE	ZONE_ROLE_FLG	CHAR	4
CI_BATCH_CTRL	BATCH_TEMPLATE_X FLG	VARCHAR2	256
CI_BATCH_CTRL	BASE_BATCH_FLG	CHAR	4
F1_REQ_TYPE	OWNER_FLG	CHAR	4
F1_REQ_TYPE_L	OWNER_FLG	CHAR	4
F1_ATTACHMENT	ATTCH_CONT_LOC_FLG	CHAR	4
F1_ATTACHMENT	ATTCH_FILE_REF	VARCHAR2	2,000

Updated Columns

Table_Name	Column_Name	Old Data Type	New Data Type
F1_CRYPT0_KEY	PUBLIC_KEY	VARCHAR2(4000)	VARCHAR2(32767)
CI_MD_IDX	IDX_CD	CHAR(12)	VARCHAR2(128)
CI_MD_IDX_FLD	IDX_CD	CHAR(12)	VARCHAR2(128)
F1_BUS_OBJ_STATUS_L	DESCR	Null	Space as default

Table_Name	Column_Name	Old Data Type	New Data Type
F1_BUS_OBJ_STATUS_L	OWNER_FLG	Null	Space as default
F1_BUS_OBJ_STATUS_L	DESCRLONG	Null	Space as default
F1_BUS_OBJ_STATUS_L	DESCR_OVRD	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCR	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	OWNER_FLG	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCRLONG	Null	Space as default
F1_BUS_OBJ_STATUS_RSN_L	DESCR_OVRD	Null	Space as default
F1_BUS_OBJ_TR_RUL_E_L	BO_NEXT_STATUS_LBL	Null	Space as default
F1_BUS_OBJ_TR_RUL_E_L	OWNER_FLG	Null	Space as default
F1_BUS_OBJ_TR_RUL_E_L	BO_NEXT_STATUS_OVRD_LBL	Null	Space as default

New Indexes

Table	Index
F1_TSPACE_ENTRY	FT001S1 (TSPACE_NAME, TSPACE_ENTRY_TY,TSPACE_ENTRY_ID)
F1_MKTMSG_OUT	F1T782S3 (OUTMSG_ID)
F1_MKTMSG_OUT	F1T782S4 (MKTPROC_ID)
F1_MKTMSG_OUT	F1T782S5 (MKT_REG_NBR
F1_BATCH_RUN_ANALYTICS_SNAP	F1T301S02 (END_DTTM, BATCH_CD, BATCH_NBR, BATCH_RERUN_NBR)
F1_BATCH_RUN_ANALYTICS_SNAP	F1T301S03(BATCH_BUS_DT, BATCH_CD, BATCH_NBR, BATCH_RERUN_NBR)
F1_BATCH_THD_ANALYTICS_SNAP	F1T401S02 (BATCH_BUS_DT, BATCH_CD, BATCH_NBR, BATCH_RERUN_NBR, BATCH_THREAD_NBR)

Table	Index
F1_BATCH_THD_ANALYTICS_SNAP	F1T401S03 (START_DTTM, BATCH_CD, BATCH_NBR, BATCH_RERUN_NBR, BATCH_THREAD_NBR)
CI_TD_ENTRY	XT039S9 (RTE_BATCH_CD, RTE_BATCH_NBR, ENTRY_STATUS_FLG)
F1_OUTMSG	FT010S2 (NT_XID_CD, CRE_DTTM, OUTMSG_STATUS_FLG)
CI_MD_CONST_FLD	XC617S1
CI_MD_MO_TBL	XC079S2
F1_ERASURE_SCHED	F1T756S2
XT028S2(END_DTTM, START_DTTM, BATCH_NBR, BATCH_RERUN_NBR, BATCH_CD)	CI_BATCH_RUN
F1T681S2(MAINT_OBJ_CD, PK_VALUE1, PK_VALUE2, BUS_FLG_ID)	F1_BUS_FLG

New Views

Table_Name	View_Name	Description
F1_BUS_OBJ_STATUS_VW	Business Object Status View	New view populates status description with the override description (if populated) otherwise with the description. SQLs that need the BO status description can use this view instead of doing the work to check the override description.
F1_BUS_OBJ_STATUS_RS N_VW	Status Reason View	New view populates status reason description with the override description (if populated) otherwise with the description. SQLs that need the BO status reason description can use this view instead of doing the work to check the override description.
F1_SIBSCH_TBLS_VW	Sibling Schema Tables	This is for internal processing.

Updated Views

View_Name	Changes
CI_TD_ENTRY_OPEN_VW	New Field: TD_SUB_STATUS_FLG
F1_BATCH_RUN_HIST_VW	Used with New Batch Analytics Views feature.
F1_BATCH_THD_HIST_VW	Used with New Batch Analytics Views feature.
F1_BATCH_CONF_VW	Used with New Batch Analytics Views feature.
F1_BATCH_THD_CAP_VW	Used with New Batch Analytics Views feature.
CI_USR_ACC_GRP_VW	Added DISTINCT clause to the SELECT query

Updated Primary Key

Table_Name	Old Fields	New Fields
F1_WEB_CAT_INCL_SVC	“WEB_SVC_CAT_CD”, “SEQNO”	“WEB_SVC_CAT_CD”, “SEQNO”, “OWNER_FLG”