Aptean

BI Data Extract Guide

Calidus TMS - 11.47

15/11/23 - 2.0
Reference: INTERFACE

Contents

1 Introduction....1

2 Schematic....2

3 Data Fields....7

4 Extraction....18

1 Introduction

Data exports are available to populate BI or MIS systems. These exports are based upon all columns in the following tables within the CTMS database.

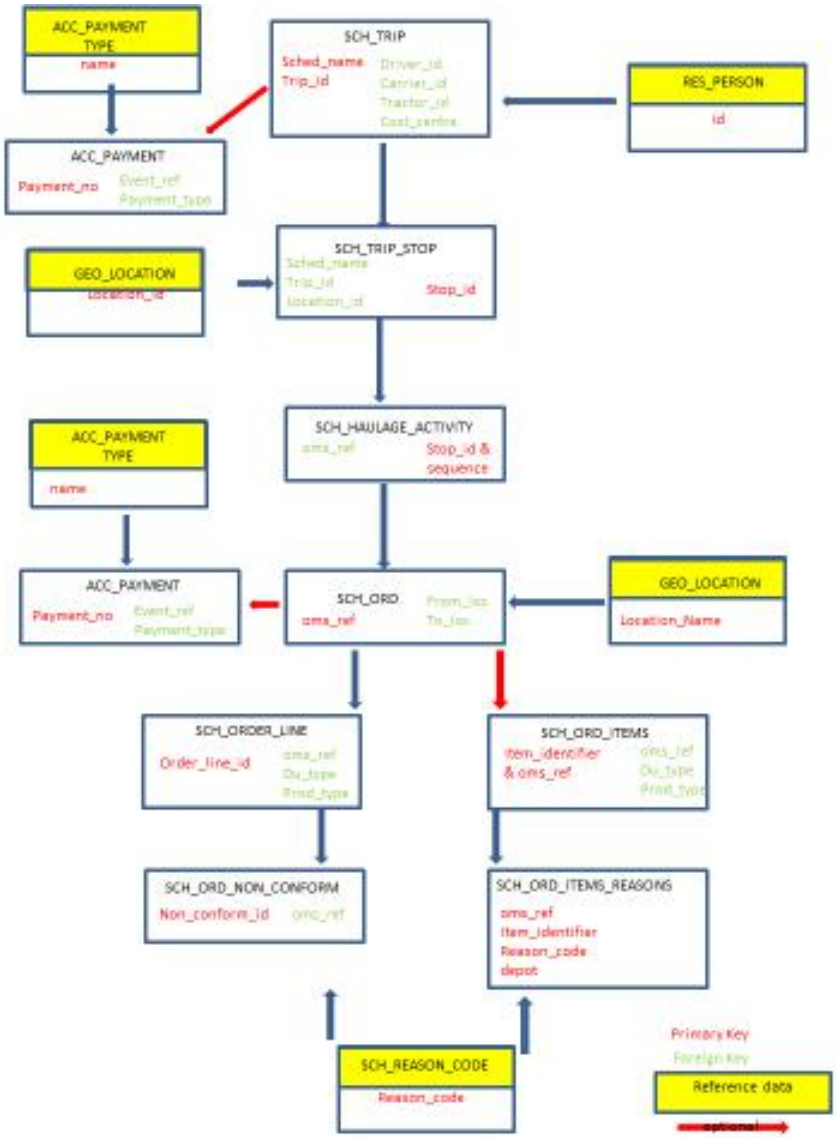
```
CNT_CHARGE
CNT_CONTRACT
CNT_CHARGE_TIER
CNT_TARIFF
GEO_LOCATION
GEO_LOCATION_USAGE
IMP_DECODE_ENTRY
INT_BOOKING_DETAIL
ORG_CUSTOMER
RES_CARRIER
RES_CARRIER_TYPE
RES_PERSON
RES_TRAILER_TYPE
SAP_PRODUCT_ITEM
SCH_BOOKING
SCH_HAULAGE_ACTIVITY
SCH_ORD
SCH_ORD_NON_CONFORM
SCH_ORDER_LINE
SCH_ORDER_ITEMS
SCH_ORDER_ITEMS_REASONS
SCH_PRODUCT_SUMMARY
SCH_REASON_CODE
SCH_SCHEDULE
SCH_TRIP
SCH_TRIP_STOP
```

Note: Other tables are available and may be exported - these are the most common. The tables and fields exported can be configured (added to or removed, based on customer processing requirements).

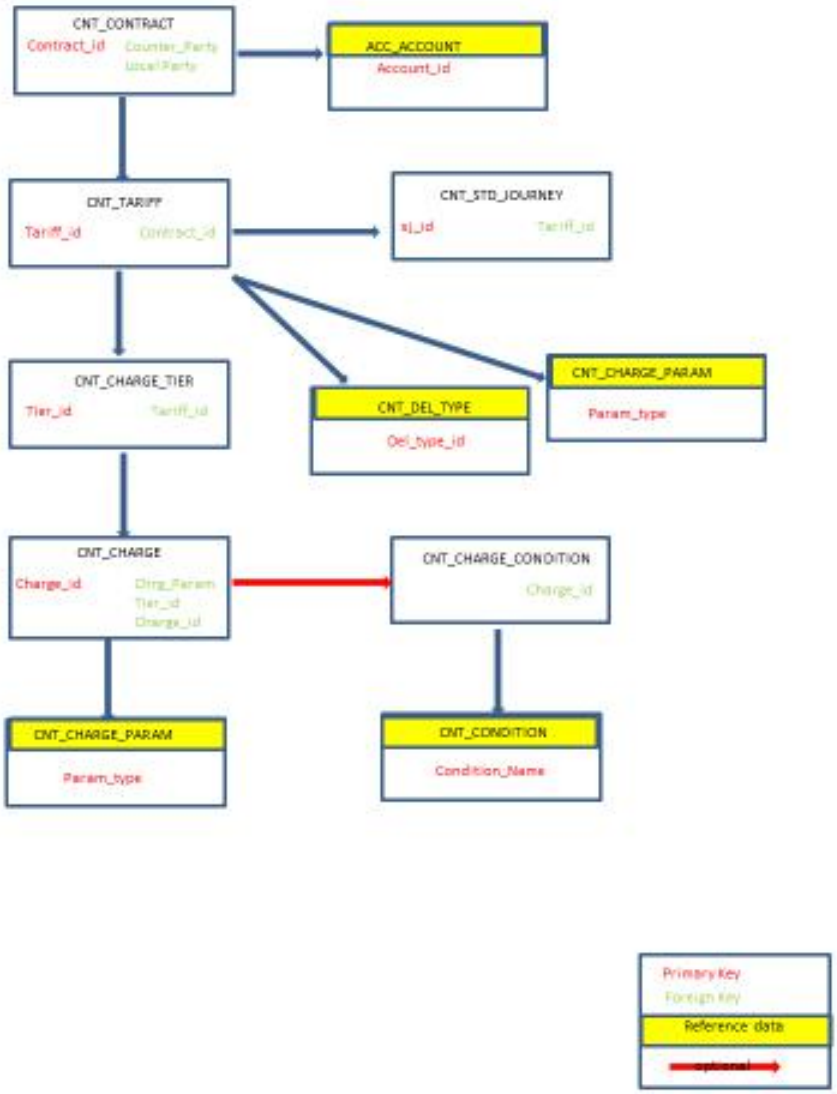
Ready for **What's Next, Now**™

2 Schematic

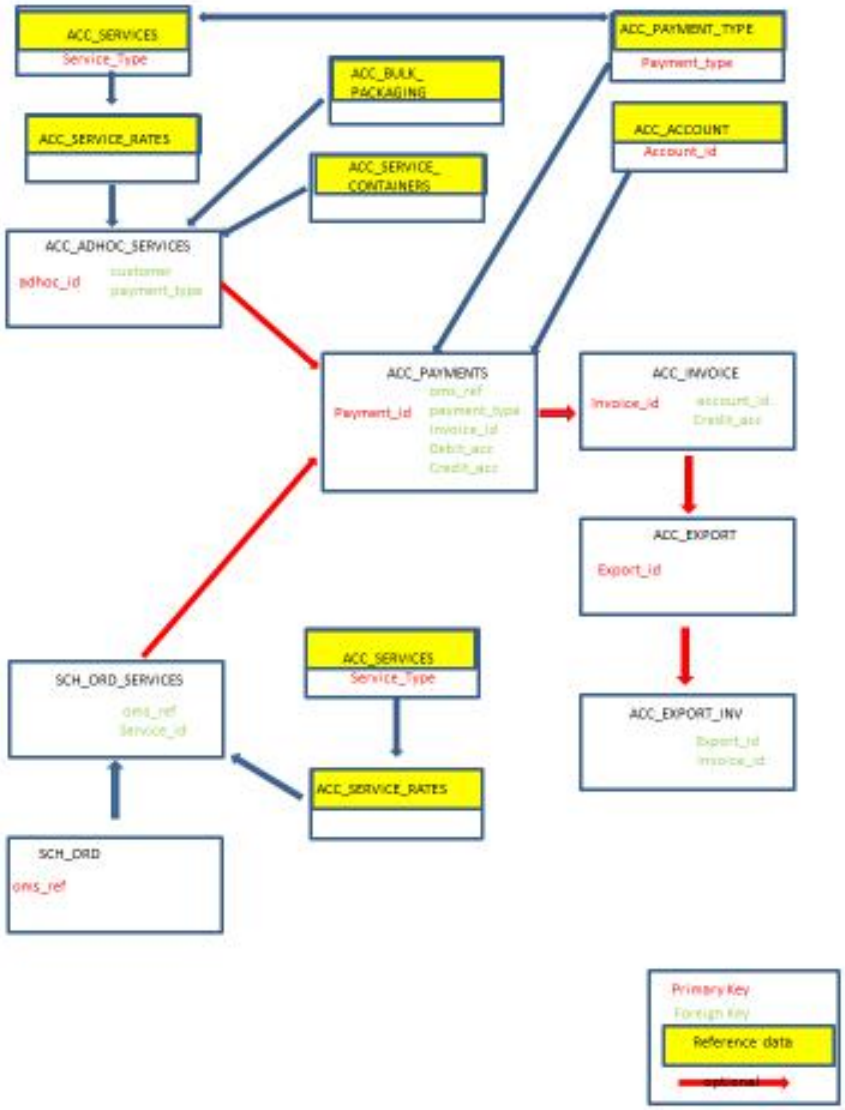
The following schemas indicate the links between the tables (Primary & Foreign keys)

- 

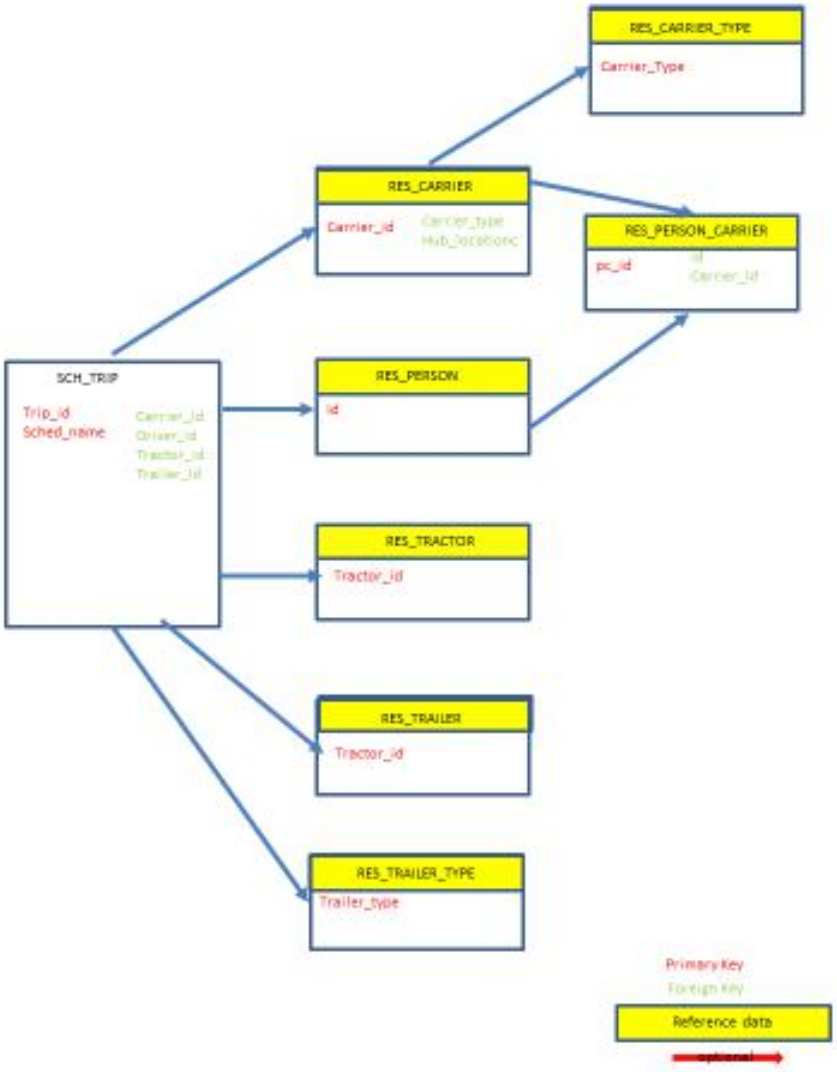
Ready for **What's Next, Now**™



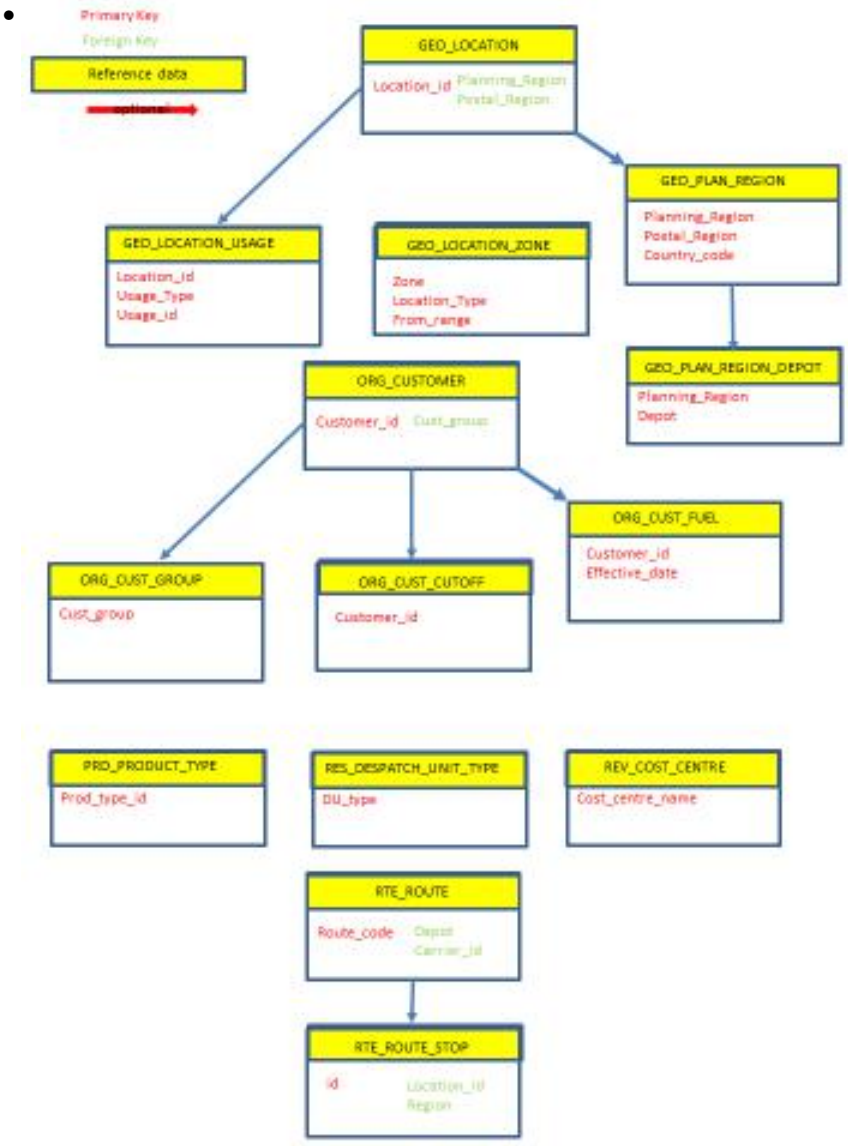
Ready for **What's Next, Now**™



Ready for **What's Next, Now**™



Ready for **What's Next, Now**™

- 

Ready for **What's Next, Now**™

3 Data Fields

The tables are listed. It is expected that each column will be delimited with a '?' symbol and that extract can be scheduled and run on with records created or updated in the last 4 days.

Note:

- Up to 50 columns may be configured per extract.
- The list below shows common fields for the tables, and these may be selected from for the 50 columns.
- If more than 50 columns are required, then an additional extract for that table may be defined.

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
CNT_CHARGE	CHRG_PARAM	VARCHAR2(12)	1
	VALUE	NUMBER(23,5)	2
	CREATED_BY	VARCHAR2(40)	3
	CREATED_DATE	DATE	4
	UPDATED_BY	VARCHAR2(40)	5
	UPDATED_DATE	DATE	6
	CHARGE_ID	NUMBER(20,0)	7
	CONDITION_NAME	VARCHAR2(12)	8
	CONDITION_VALUE	VARCHAR2(12)	9
	TIER_ID	NUMBER(12,0)	10
	CHARGEABLE_QUANTITY	NUMBER(12,0)	11
	CHARGE_TYPE	VARCHAR2(12)	12
	EFFECTIVE_FROM	DATE	13
	EXPIRY_DATE	DATE	14

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
CNT_CHARGE_TIER	UPPER_LIMIT	NUMBER(12,2)	1
	TARIFF_ID	NUMBER(20,0)	2
	TIER_NAME	VARCHAR2(20)	3
	MIN_CHARGE	NUMBER(20,2)	4
	MAX_CHARGE	NUMBER(20,2)	5
	CREATED_BY	VARCHAR2(40)	6
	CREATED_DATE	DATE	7
	UPDATED_BY	VARCHAR2(40)	8
	UPDATED_DATE	DATE	9
	TIER_ID	NUMBER(12,0)	10
	ADD_UPPER_LIMIT	NUMBER(12,2)	11
	ADD_TIER_NAME	VARCHAR2(20)	12

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
CNT_CONTRACT	CONTRACT_ID	NUMBER(20,0)	1
	CONTRACT_TYPE	VARCHAR2(12)	2
	LOCAL_PARTY	VARCHAR2(12)	3
	COUNTER_PARTY	VARCHAR2(12)	4
	EFFECTIVE_FROM	DATE	5
	CREATED_BY	VARCHAR2(40)	6
	CREATED_DATE	DATE	7
	UPDATED_BY	VARCHAR2(40)	8
	UPDATED_DATE	DATE	9
	DEFAULT_CCY	VARCHAR2(3)	10
	EXPIRY_DATE	DATE	11
	ORDER_MOVEMENT_RATE	VARCHAR2(1)	12

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
CNT_TARIFF	CONTRACT_ID	NUMBER(20,0)	1
	DEL_TYPE	VARCHAR2(35)	2
	TARIFF_ID	NUMBER(20,0)	3
	TARIFF_NAME	VARCHAR2(50)	4
	TIER_UNITS	VARCHAR2(12)	5
	EXPIRY_DATE	DATE	6
	CREATED_BY	VARCHAR2(40)	7
	CREATED_DATE	DATE	8
	UPDATED_BY	VARCHAR2(40)	9
	UPDATED_DATE	DATE	10
	CCY_CODE	VARCHAR2(3)	11
	CHARGE_TYPE	VARCHAR2(12)	12

Ready for What's Next, Now™

	EFFECTIVE_FROM	DATE	13
	SEQUENCE	NUMBER(5,0)	14
	ADD_TIER_UNITS	VARCHAR2(12)	15

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
GEO_LOCATION	LOCATION_ID	VARCHAR2(12)	1
	DEPOT	VARCHAR2(12)	2
	LOCATION_NAME	VARCHAR2(35)	3
	EXT_REF	VARCHAR2(50)	4
	ROUTE_CODE	VARCHAR2(12)	5
	ADDRESS_LINE1	VARCHAR2(50)	6
	ADDRESS_LINE2	VARCHAR2(50)	7
	ADDRESS_LINE3	VARCHAR2(50)	8
	TOWN	VARCHAR2(50)	9
	COUNTY	VARCHAR2(50)	10
	COUNTRY	VARCHAR2(50)	11
	COUNTRY_CODE	VARCHAR2(3)	12
	POSTCODE	VARCHAR2(9)	13
	POSTAL_REGION	VARCHAR2(15)	14
	PHONE	VARCHAR2(50)	15
	FAX	VARCHAR2(50)	16
	LATITUDE	NUMBER(9,5)	17
	LONGITUDE	NUMBER(9,5)	18
	LOADING_RATE	VARCHAR2(12)	19
	UNLOADING_RATE	VARCHAR2(12)	20
	SCHEDULE_OFFSET	NUMBER(2,0)	21
	RESPONSIBLE_COST_CENTRE	VARCHAR2(50)	22
	PARENT_LOC_ID	VARCHAR2(12)	23
	VENDOR_CODE	VARCHAR2(12)	24
	OPEN_MON	VARCHAR2(5)	25
	CLOSE_MON	VARCHAR2(5)	26
	OPEN_FRI	VARCHAR2(5)	27
	CLOSE_FRI	VARCHAR2(5)	28
	CREATE_EMPTIES	VARCHAR2(1)	29
	COMMENTS	VARCHAR2(255)	30
	INACTIVE	VARCHAR2(1)	31
	TRAILER_TYPE	VARCHAR2(35)	32
	ALT_COLL_LOC	VARCHAR2(12)	33
	ALT_DEL_LOC	VARCHAR2(12)	34
	DEFAULT_XDOCK	VARCHAR2(12)	35
	DFLT_SC_HANGING	VARCHAR2(12)	36
	DFLT_SC_BOXED	VARCHAR2(12)	37
	PROFILE_ID	VARCHAR2(12)	38
	CREATED_BY	VARCHAR2(40)	39
	CREATED_DATE	DATE	40
	UPDATED_BY	VARCHAR2(40)	41
	UPDATED_DATE	DATE	42
	CONTROL_TOWER	VARCHAR2(1)	43
	PLANNING_REGION	VARCHAR2(5)	44
	COST_CENTRE_NAME	VARCHAR2(12)	45

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
GEO_LOCATION_USAGE	LOCATION_ID	VARCHAR2(12)	1
	USAGE_TYPE	VARCHAR2(12)	2
	USAGE_ID	VARCHAR2(12)	3
	CREATED_BY	VARCHAR2(40)	4
	CREATED_DATE	DATE	5
	UPDATED_BY	VARCHAR2(40)	6
	UPDATED_DATE	DATE	7

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
IMP_DECODE_ENTRY	DECODE_NAME	VARCHAR2(35)	1
	SOURCE_VALUE	VARCHAR2(256)	2
	TARGET_VALUE	VARCHAR2(256)	3
	CUSTOMER_ID	VARCHAR2(12)	4
	DECODE_TYPE	VARCHAR2(12)	5
	CREATED_BY	VARCHAR2(40)	6
	CREATED_DATE	DATE	7
	UPDATED_BY	VARCHAR2(40)	8
	UPDATED_DATE	DATE	9

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
INT_BOOKING_DETAIL	INT_RECORD_ID	VARCHAR2(100)	1
	REC_NUM	NUMBER(22,0)	2

Ready for **What's Next, Now**™

	FROM_LOC	VARCHAR2(12)	3
	TO_LOC	VARCHAR2(12)	4
	QUANTITY	NUMBER(20,5)	5
	DEL_DATE	VARCHAR2(12)	6
	PRODUCT_TYPE	VARCHAR2(12)	7
	DU_TYPE	VARCHAR2(12)	8
	BOOKING_REF	VARCHAR2(20)	9
	TRANSHIP_IND	VARCHAR2(1)	10
	RECORD_STATUS	VARCHAR2(10)	11
	VALIDATION_ERROR	VARCHAR2(2000)	12
	CREATED_DATE	DATE	13
	CREATED_BY	VARCHAR2(40)	14
	UPDATED_DATE	DATE	15
	UPDATED_BY	VARCHAR2(40)	16
	IDENTIFIER	VARCHAR2(10)	17
	ACTION	VARCHAR2(1)	18
	PRODUCT_ITEM	VARCHAR2(100)	19
	UOM	VARCHAR2(3)	20
	DEL_PRIORITY	VARCHAR2(2)	21
	HANDLING_CODE1	VARCHAR2(2)	22
	HANDLING_CODE2	VARCHAR2(2)	23
	HANDLING_CODE3	VARCHAR2(2)	24
	CARRIER_CODE	VARCHAR2(3)	25
	INSP_REQ	VARCHAR2(2)	26
	TEST_REQ	VARCHAR2(2)	27
	WAREHOUSE_CODE	VARCHAR2(3)	28
	STORAGE_CODE	VARCHAR2(3)	29
	SOURCE_SYSTEM	VARCHAR2(25)	30
	DU_QTY	NUMBER(24,4)	31
	WEIGHT	NUMBER(12,2)	32
	VOLUME	NUMBER(20,5)	33
	BKG_PLANT	VARCHAR2(4)	34
	BKG_STORAGE_LOC	VARCHAR2(4)	35
	BKG_SHELF_LIFE	DATE	36
	BKG_REQUESTOR	VARCHAR2(20)	37
	BKG_TELEPHONE	VARCHAR2(30)	38
	BKG_ACCOUNT_NO	VARCHAR2(20)	39
	BKG_BUILDING	VARCHAR2(10)	40
	BKG_ROOM	VARCHAR2(8)	41
	BKG_COMMENTS	VARCHAR2(200)	42
	ASN_HANDLING_UNIT	VARCHAR2(20)	43
	OLD_MAT_NO	VARCHAR2(18)	44
	CHBNO	VARCHAR2(30)	45
	LAB_TEST	VARCHAR2(80)	46
	SHELF_LIFE_IND	VARCHAR2(1)	47
	MIN_REM_SHELF	VARCHAR2(4)	48
	TEMP_COND	VARCHAR2(20)	49
	REQ_NAME	VARCHAR2(40)	50
	REQ_PHONE	VARCHAR2(30)	51
	REQ_ACC_NO	VARCHAR2(20)	52
	REQ_BUILD	VARCHAR2(20)	53
	REQ_ROOM	VARCHAR2(10)	54
	COMMENTS	VARCHAR2(80)	55
	ADD_DATA_1	VARCHAR2(40)	56
	ADD_DATA_2	VARCHAR2(40)	57
	ADD_DATA_3	VARCHAR2(40)	58
	BKG_ADD_DATA_1	VARCHAR2(40)	59
	BKG_ADD_DATA_2	VARCHAR2(40)	60
	BKG_ADD_DATA_3	VARCHAR2(40)	61
	PRODUCT_DESC	VARCHAR2(100)	62

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
ORG_CUSTOMER	CUSTOMER_ID	VARCHAR2(12)	1
	CUSTOMER_NAME	VARCHAR2(50)	2
	CONTACT_NAME	VARCHAR2(50)	3
	LOCATION_ID	VARCHAR2(12)	4
	MTM_CUST_CODE	VARCHAR2(2)	5
	SELF_BILL	VARCHAR2(1)	6
	CUST_GROUP	VARCHAR2(12)	7
	COST_CENTRE_NAME	VARCHAR2(12)	8
	VAT_COUNTRY	VARCHAR2(3)	9
	VAT_REG_NO	VARCHAR2(50)	10
	CREATED_BY	VARCHAR2(40)	11
	CREATED_DATE	DATE	12
	UPDATED_BY	VARCHAR2(40)	13
	UPDATED_DATE	DATE	14
	COUNTRY	VARCHAR2(3)	15

	USE_LATE_ORDERS	VARCHAR2(1)	16
	USE_MANUAL_ORDERS	VARCHAR2(1)	17
	USE_URGENT_ORDERS	VARCHAR2(1)	18
	USE_TRANSACTION_CHARGING	VARCHAR2(1)	19
	TYPE	VARCHAR2(12)	20
	LATE_ORDER_DAYS_THRESHOLD	NUMBER(5)	21
	INT_ORD_TO_LOGNET	VARCHAR2(1)	22
	UNISON_IF_VALUE	VARCHAR2(3)	23
	TOK_POD_AVAIL	VARCHAR2(1)	24
	CONSOLIDATE_ORDERS	VARCHAR2(1)	25
	CONSOL_ALLOC_METHOD	VARCHAR2(12)	26
	ORDER_REVENUE_CHARGING_TYPE_ID	NUMBER	27

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
RES_CARRIER	CARRIER_ID	VARCHAR2(12)	1
	CARRIER_NAME	VARCHAR2(50)	2
	GROUP_NAME	VARCHAR2(35)	3
	COST_CENTRE_NAME	VARCHAR2(12)	4
	CARRIER_TYPE_ID	VARCHAR2(35)	5
	CURRENT_HAULAGE_UNITS	NUMBER(5,0)	6
	FIXED_COST_WEEKDAY	NUMBER(20,2)	7
	FIXED_COST_SAT	NUMBER(20,2)	8
	FIXED_COST_SUN	NUMBER(20,2)	9
	HUB_LOCATION	VARCHAR2(12)	10
	ENFORCE_START_AT_HUB	VARCHAR2(1)	11
	ENFORCE_END_AT_HUB	VARCHAR2(1)	12
	BARCODE_TYPE	VARCHAR2(12)	13
	TMS_REF	VARCHAR2(12)	14
	HQ_LOCATION	VARCHAR2(12)	15
	EXPORTFILE_TYPE	VARCHAR2(12)	16
	VAT_NUMBER	VARCHAR2(35)	17
	VAT_COUNTRY	VARCHAR2(3)	18
	STD_SHIFT_HOURS	NUMBER(4,2)	19
	STD_FACTOR	NUMBER(4,2)	20
	ALTERNATE_CARRIER	VARCHAR2(1)	21
	OVERTIME_FACTOR	NUMBER(4,2)	22
	MAX_SHIFT_HOURS	NUMBER(4,2)	23
	TRIP_THRESHOLD_HOURS	NUMBER(4,2)	24
	MAX_DRIVING_HOURS	NUMBER(4,2)	25
	ADDRESS_LINE1	VARCHAR2(35)	26
	ADDRESS_LINE2	VARCHAR2(35)	27
	CREATED_BY	VARCHAR2(40)	28
	ADDRESS_LINE3	VARCHAR2(35)	29
	CREATED_DATE	DATE	30
	TOWN	VARCHAR2(35)	31
	UPDATED_BY	VARCHAR2(40)	32
	UPDATED_DATE	DATE	33
	COUNTY	VARCHAR2(35)	34
	COUNTRY	VARCHAR2(35)	35
	COUNTRY_CODE	VARCHAR2(3)	36
	POSTCODE	VARCHAR2(9)	37
	REGION	VARCHAR2(2)	38
	PHONE	VARCHAR2(35)	39
	FAX	VARCHAR2(35)	40
	DRIVER_BREAK_THRESHOLD_HOURS	NUMBER(4,2)	41
	DRIVER_BREAK_MINS	NUMBER(3,0)	42
	WORK_BREAK_THRESHOLD_HOURS	NUMBER(4,2)	43
	WORK_BREAK_MINS	NUMBER(3,0)	44
	DISPLAY_TYPE	VARCHAR2(8)	45
	PERMIT_DEBRIEF	VARCHAR2(1)	46
	CONTACT	VARCHAR2(100)	47
	WORK_STOPOVER_THRESHOLD_HOURS	NUMBER(4,2)	48
	STOPOVER_MINS	NUMBER(3,0)	49
	DRIVE_STOPOVER_THRESHOLD_HOURS	NUMBER(4,2)	50

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
RES_CARRIER_TYPE	CARRIER_TYPE_ID	VARCHAR2(35)	1
	TRIP_COST_METHOD	VARCHAR2(12)	2
	ORD_COST_METHOD	VARCHAR2(12)	3
	CREATED_BY	VARCHAR2(40)	4
	CREATED_DATE	DATE	5
	UPDATED_BY	VARCHAR2(40)	6
	UPDATED_DATE	DATE	7

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
RES_PERSON	ID	NUMBER(22,0)	1
	SURNAME	VARCHAR2(50)	2
	FORENAME	VARCHAR2(50)	3
	JOB_TITLE	VARCHAR2(50)	4
	LOCATION_ID	VARCHAR2(12)	5
	CREATED_BY	VARCHAR2(40)	6
	CREATED_DATE	DATE	7
	UPDATED_BY	VARCHAR2(40)	8
	UPDATED_DATE	DATE	9

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
RES_TRAILER_TYPE	TRAILER_TYPE	VARCHAR2(12)	1
	TEMPERATURE_TYPE	VARCHAR2(12)	2
	DESCRIPTION	VARCHAR2(50)	3
	MAX_KG	NUMBER(20,2)	4
	VOLUME	NUMBER(20,5)	5
	MAX_RPE	NUMBER(8,2)	6
	REFRIGERATED	VARCHAR2(1)	7
	TRAILER_LENGTH	NUMBER(3,0)	8
	COST_OF_USE	NUMBER(3,0)	9
	INACTIVE	VARCHAR2(1)	10
	RIGID	VARCHAR2(1)	11
	CREATED_BY	VARCHAR2(40)	12
	CREATED_DATE	DATE	13
	UPDATED_BY	VARCHAR2(40)	14
	UPDATED_DATE	DATE	15
	DRIVE_TIME_MODIFIER	NUMBER(3,2)	16

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SAP_PRODUCT_ITEM	PRODUCT_ITEM_ID	VARCHAR2(18)	1
	PRODUCT_ITEM_DESC	VARCHAR2(100)	2
	DEF_DU_TYPE	VARCHAR2(12)	3
	DEF_PRODUCT_TYPE	VARCHAR2(12)	4
	CREATED_BY	VARCHAR2(40)	5
	CREATED_DATE	DATE	6
	UPDATED_BY	VARCHAR2(40)	7
	UPDATED_DATE	DATE	8

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_BOOKING	SOURCE	VARCHAR2(12)	1
	DESTINATION	VARCHAR2(12)	2
	DELIVERY_DATE	DATE	3
	PROD_TYPE_ID	VARCHAR2(12)	4
	SCHEDULE_DATE	DATE	5
	TOTAL_WEIGHT	NUMBER(12,2)	6
	TOTAL_VOLUME	NUMBER(20,5)	7
	EFFECTIVE_WEIGHT	NUMBER(12,2)	8
	BOOKING_REF	VARCHAR2(20)	9
	COMMENTS	VARCHAR2(100)	10
	SPECIAL_FLAG	VARCHAR2(35)	11
	PLANNED	VARCHAR2(1)	12
	ROUTE	VARCHAR2(12)	13
	BROUGHT_IN	VARCHAR2(1)	14
	CREATED_BY	VARCHAR2(40)	15
	CREATED_DATE	DATE	16
	UPDATED_BY	VARCHAR2(40)	17
	UPDATED_DATE	DATE	18
	SCHED_NAME	VARCHAR2(12)	19
	TRANSHIP_IND	VARCHAR2(1)	20
	ORIG_PROD_TYPE	VARCHAR2(12)	21

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_HAULAGE_ACTIVITY	STOP_ID	NUMBER(22,0)	1
	SEQUENCE	NUMBER(8,0)	2
	OMS_REF	VARCHAR2(12)	3
	ACTIVITY_NAME	VARCHAR2(35)	4
	COMMENTS	VARCHAR2(255)	5
	CREATED_BY	VARCHAR2(40)	6
	CREATED_DATE	DATE	7
	UPDATED_BY	VARCHAR2(40)	8
	UPDATED_DATE	DATE	9

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN

SCH_ORD	OMS_REF	VARCHAR2(12)	1
	ORDER_ID	VARCHAR2(12)	2
	STATUS	VARCHAR2(12)	3
	SOURCE_SYSTEM	VARCHAR2(12)	4
	SCHED_NAME	VARCHAR2(12)	5
	COST_CENTRE_NAME	VARCHAR2(12)	6
	CUSTOMER	VARCHAR2(12)	7
	DELIVERY_TYPE_ID	VARCHAR2(35)	8
	TEMP_COMBO_ID	VARCHAR2(12)	9
	PARENT_ORDER	VARCHAR2(12)	10
	TEMPLATE_ID	VARCHAR2(35)	11
	FROM_LOC	VARCHAR2(12)	12
	TO_LOC	VARCHAR2(12)	13
	ORIG_FROM_LOC	VARCHAR2(12)	14
	FINAL_TO_LOC	VARCHAR2(12)	15
	CONTRACT_FROM_LOC	VARCHAR2(12)	16
	CONTRACT_TO_LOC	VARCHAR2(12)	17
	TARGET_TIME	VARCHAR2(5)	18
	EARLY_AVAIL	DATE	19
	LATE_AVAIL	DATE	20
	EARLY_DEL	DATE	21
	LATE_DEL	DATE	22
	TARGET	VARCHAR2(12)	23
	DISTANCE	NUMBER(12,2)	24
	TOTAL_RPE_QTY	NUMBER(8,2)	25
	TOTAL_WEIGHT	NUMBER(20,5)	26
	TOTAL_VOLUME	NUMBER(20,5)	27
	TOTAL_PALLETS	NUMBER(24,4)	28
	TOTAL_PIECES	NUMBER(24,4)	29
	TOTAL_EFFECTIVE_WEIGHT	NUMBER(20,2)	30
	TOTAL_ACTUAL_RPE_QTY	NUMBER(8,2)	31
	CONTRACTUAL_WEIGHT	NUMBER(20,2)	32
	CONTRACTUAL_PALLETS	NUMBER(24,4)	33
	CONTRACTUAL_RPE_QTY	NUMBER(8,2)	34
	ACTUAL_WEIGHT	NUMBER(20,2)	35
	ACTUAL_VOLUME	NUMBER(20,5)	36
	ACTUAL_PALLETS	NUMBER(24,4)	37
	ACTUAL_PIECES	NUMBER(24,4)	38
	ACTUAL_EFFECTIVE_WEIGHT	NUMBER(20,2)	39
	DELIVERED_TIME	DATE	40
	ORD_STD_COST	NUMBER(20,2)	41
	DO_NOT_CALC_STD_COST	VARCHAR2(1)	42
	REVENUE_STATUS	VARCHAR2(1)	43
	ORD_REVENUE	NUMBER(20,2)	44
	REVENUE_VAT	NUMBER(20,2)	45
	COST_STATUS	VARCHAR2(1)	46
	ORD_COST	NUMBER(20,2)	47
	COST_VAT	NUMBER(20,2)	48
	COST_ALLOC	NUMBER(20,2)	49
	ORD_REVENUE_VS	NUMBER(20,2)	50
	PROFIT	NUMBER(20,2)	51
	MARGIN	NUMBER(8,2)	52
	ORD_TIER_NAME	VARCHAR2(50)	53
	SJC_DATA	VARCHAR2(2000)	54
	EXTERNAL_REF	VARCHAR2(20)	55
	COMMENTS	VARCHAR2(2000)	56
	DELIVERY_INSTRUCTIONS	VARCHAR2(60)	57
	POD_NAME	VARCHAR2(50)	58
	LAST_ERROR	VARCHAR2(256)	59
	SEND_TO_MTM	VARCHAR2(1)	60
	GROUP_NAME	VARCHAR2(12)	61
	TRANSCODE	VARCHAR2(1)	62
	MTM_SPLIT_ID	VARCHAR2(20)	63
	MTM_FLF	VARCHAR2(1)	64
	CONF_NO	VARCHAR2(12)	65
	SHIPPING_REF	VARCHAR2(12)	66
	CREATED_USER	VARCHAR2(50)	67
	CREATED_DATE	DATE	68
	CHANGED_USER	VARCHAR2(50)	69
	CHANGED_DATE	DATE	70
	INFO	VARCHAR2(255)	71
	CREATE_EMPTIES	VARCHAR2(1)	72
	NUM_ADV_NOTES	NUMBER(4,0)	73
	AETC_REF	VARCHAR2(20)	74
	DEL_POINT_REF	VARCHAR2(20)	75
	DROP_COUNT	NUMBER(8,0)	76
	COLLECTED_BY	VARCHAR2(1)	77

Ready for **What's Next, Now**™

```
                    DELIVERED_BY                    VARCHAR2(1)              78
                    POC                             VARCHAR2(1)              79
                    POD                             VARCHAR2(1)              80
                    ORDER_COMMENTS                  VARCHAR2(2000)           81
                    LANE_COMMENTS                   VARCHAR2(2000)           82
                    SCHED_DATE                      DATE                     83
                    BOOKING_REF                     VARCHAR2(20)             84
                    SAVING                          NUMBER(20,2)             85
                    LATE_ORDER                      VARCHAR2(1)              86
                    MANUAL_ORDER                    VARCHAR2(1)              87
                    URGENT_ORDER                    VARCHAR2(1)              88
                    SERVICE_TYPE                    VARCHAR2(20)             89
                    SOURCE_REF                      VARCHAR2(50)             90
                    CURRENT_DEPOT                   VARCHAR2(12)             91
                    CCY_CODE                        VARCHAR2(3)              92
                    CONTAINER_NO                    VARCHAR2(50)             93
                    BILL_OF_LADING                  VARCHAR2(50)             94
                    TOTAL_CASES                     NUMBER(8,0)              95
                    NUM_ORDER_LINES                 NUMBER(22,0)             96
                    SPECIAL_INSTRUCTIONS            VARCHAR2(4000)           97
                    BOOKED_IN                       VARCHAR2(1)              98
                    STD_COST_DATA                   VARCHAR2(2000)           99
                    ORD_REV_DATA                    VARCHAR2(2000)          100
                    INTERNAL_CHARGE_DATA            VARCHAR2(2000)          101
                    ACTUAL_DELIVERED_PALLETS        NUMBER(24,4)            102
                    ACTUAL_DELIVERED_PIECES         NUMBER(24,4)            103
                    TOTAL_ACTUAL_DELIVERED_RPE_QTY  NUMBER(8,2)             104
                    ACTUAL_DESPATCHED_PALLETS       NUMBER(24,4)            105
                    ACTUAL_DESPATCHED_PIECES        NUMBER(24,4)            106
                    TOTAL_ACTUAL_DESPTCHD_RPE_QTY   NUMBER(8,2)             107
                    BOOKING_SEQ                     NUMBER(22,0)            108
                    TRANSHIP_IND                    VARCHAR2(1)             109
                    UOM                             VARCHAR2(3)             110
                    ORIGINAL_QTY                    NUMBER(22,0)            111
                    EXC_FIXED_ROUTES                VARCHAR2(1)             112
                    DEL_PRIORITY                    VARCHAR2(2)             113
                    HANDLING_CODE1                  VARCHAR2(2)             114
                    HANDLING_CODE2                  VARCHAR2(2)             115
                    HANDLING_CODE3                  VARCHAR2(2)             116
                    CARRIER_CODE                    VARCHAR2(3)             117
                    INSP_REQ                        VARCHAR2(2)             118
                    TEST_REQ                        VARCHAR2(2)             119
                    SAP_PRODUCT_ITEM                VARCHAR2(18)            120
                    WAREHOUSE_CODE                  VARCHAR2(3)             121
                    STORAGE_CODE                    VARCHAR2(3)             122
                    EFX_REF                             VARCHAR2(50)            123

TABLE_NAME           COLUMN_NAME                     DATA_TYPE_SIZE   COLUMN_POSN
-------------------- ------------------------------- ---------------- -----------
SCH_ORD_NON_CONFORM  OMS_REF                          VARCHAR2(12)              1
                    ACTIVITY                        VARCHAR2(20)              2
                    REASON_CODE                     VARCHAR2(12)              3
                    COMMENTS                        VARCHAR2(256)             4
                    NON_CONFORM_ID                  NUMBER                    5
                    TRIP_ID                         VARCHAR2(12)              6
                    SCHED_NAME                      VARCHAR2(12)              7
                    CREATED_DATE                    DATE                      8
                    CREATED_BY                      VARCHAR2(50)              9
                    UPDATED_DATE                    DATE                     10
                    UPDATED_BY                      VARCHAR2(50)             11

TABLE_NAME           COLUMN_NAME                     DATA_TYPE_SIZE   COLUMN_POSN
-------------------- ------------------------------- ---------------- -----------
SCH_ORDER_LINE       ORDER_LINE_ID                   NUMBER(20,0)              1
                    OMS_REF                         VARCHAR2(12)              2
                    LINE_NO                         NUMBER(8,0)               3
                    PRODUCT_TYPE                    VARCHAR2(12)              4
                    DU_TYPE                         VARCHAR2(12)              5
                    QUANTITY                        NUMBER(24,4)              6
                    WEIGHT                          NUMBER(20,2)              7
                    CUBE                            NUMBER(20,5)              8
                    ACTUAL_QUANTITY                 NUMBER(24,4)              9
                    ACTUAL_WEIGHT                   NUMBER(20,2)             10
                    ACTUAL_CUBE                     NUMBER(12,5)             11
                    ACTUAL_RPE_QTY                  NUMBER(8,2)              12
                    EFFECTIVE_WEIGHT                NUMBER(20,2)             13
                    ACTUAL_EFFECTIVE_WEIGHT         NUMBER(20,2)             14
                    SCH_PROD_SUM_ID                 NUMBER(20,0)             15
```

	ORIGINAL_DEL_DATE	DATE	16
	SPECIAL	VARCHAR2(12)	17
	RPE_QTY	NUMBER(8,2)	18
	ACTUAL_CASES	NUMBER(6,0)	19
	UPDATED_BY	VARCHAR2(40)	20
	UPDATED_DATE	DATE	21
	CREATED_BY	VARCHAR2(40)	22
	CREATED_DATE	DATE	23
	CASES	NUMBER(8,0)	24
	ACTUAL_DELIVERED_QUANTITY	NUMBER(24,4)	25
	ACTUAL_DELIVERED_RPE_QTY	NUMBER(24,4)	26
	ACTUAL_DESPATCHED_QUANTITY	NUMBER(24,4)	27
	ACTUAL_DESPATCHED_RPE_QTY	NUMBER(24,4)	28
	MEDIA_RETURNS_DU_TYPE	VARCHAR2(12)	29
	MEDIA_RETURNS_QUANTITY	NUMBER(24,4)	30

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_ORD_ITEMS	OMS_REF	VARCHAR2(48)	1
	CUSTOMER	VARCHAR2(48)	2
	EXTERNAL_REF	VARCHAR2(80)	3
	PROD_TYPE_ID	VARCHAR2(48)	4
	ITEM_IDENTIFIER	VARCHAR2(80)	5
	ITEM_AKA_CODE	VARCHAR2(120)	6
	ITEM_DESCRIPTION	VARCHAR2(488)	7
	ITEM_FACTOR	VARCHAR2(48)	8
	LIFTS	NUMBER(8,2)	9
	STACK	NUMBER(3,0)	10
	QTY_ORDERED	NUMBER(8,0)	11
	QTY_TO_DELIVER	NUMBER(8,0)	12
	QTY_DELIVERED	NUMBER(8,0)	13
	WEIGHT	NUMBER(20,2)	14
	VOLUME	NUMBER(20,4)	15
	CREATED_DATE	DATE	16
	CREATED_BY	VARCHAR2(160)	17
	UPDATED_DATE	DATE	18
	UPDATED_BY	VARCHAR2(160)	19
	DU_TYPE	VARCHAR2(48)	20
	CURRENT_LOCATION	VARCHAR2(48)	21
	SAP_LINE_NO	NUMBER(12,0)	22
	DAMAGED_FLAG	VARCHAR2(4)	23
	ALTERNATIVE_ITEM_ID	VARCHAR2(80)	24
	PALLET_ID	VARCHAR2(80)	25
	ORDER_ITEM_ID	NUMBER(20,0)	26
	HEIGHT	NUMBER(5,2)	27
	WIDTH	NUMBER(5,2)	28
	LENGTH	NUMBER(5,2)	29
	CLASS	VARCHAR2(400)	30
	DG	VARCHAR2(4)	31
	ACTUAL_LENGTH	NUMBER(5,2)	32
	ACTUAL_WIDTH	NUMBER(5,2)	33
	ACTUAL_HEIGHT	NUMBER(5,2)	34
	ACTUAL_WEIGHT	NUMBER(20,2)	35
	ACTUAL_DIMENSIONAL_WEIGHT	NUMBER(20,2)	36
	CONTRACTUAL_WEIGHT	NUMBER(20,2)	37
	DIMENSIONAL_WEIGHT	NUMBER(20,2)	38
	UNITS	NUMBER(20,0)	39
	COMMODITY	VARCHAR2(200)	40
	GEL_PACK_QTY	NUMBER(8,0)	41
	DRY_ICE_QTY	NUMBER(10,2)	42
	EQ	VARCHAR2(4)	43
	PARENT_ITEM_ID	VARCHAR2(80)	44
	ITEM_LONG_DESCRIPTION	VARCHAR2(4000)	45

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_ORD_ITEMS_REASONS	OMS_REF	VARCHAR2(48)	1
	CUSTOMER	VARCHAR2(48)	2
	EXTERNAL_REF	VARCHAR2(80)	3
	PROD_TYPE_ID	VARCHAR2(48)	4
	ITEM_IDENTIFIER	VARCHAR2(80)	5
	REASON_CODE	VARCHAR2(48)	6
	QTY	NUMBER(8,0)	7
	REASON_COMMENTS	VARCHAR2(800)	8
	CREATED_DATE	DATE	9
	CREATED_BY	VARCHAR2(160)	10
	UPDATED_DATE	DATE	11
	UPDATED_BY	VARCHAR2(160)	12

	DEPOT	VARCHAR2(48)	13
	TRIP_ID	VARCHAR2(48)	14
	SCAN_TYPE	VARCHAR2(80)	15

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_PRODUCT_SUMMARY	SOURCE	VARCHAR2(12)	1
	DESTINATION	VARCHAR2(12)	2
	DELIVERY_DATE	DATE	3
	PROD_TYPE_ID	VARCHAR2(12)	4
	DU_TYPE	VARCHAR2(12)	5
	SUM_CASES	NUMBER(20,0)	6
	LEFTOFF_QTY	NUMBER(24,4)	7
	LEFTOFF_PLANNED	NUMBER(24,4)	8
	SUM_QTY	NUMBER(24,4)	9
	ADJ_SUM_QTY	NUMBER(24,4)	10
	PREV_ADV_QTY	NUMBER(24,4)	11
	PLANNED_QTY	NUMBER(24,4)	12
	VARIANCE_QTY	NUMBER(24,4)	13
	ADVANCE_QTY	NUMBER(24,4)	14
	ADV_PLANNED	NUMBER(24,4)	15
	ACTUAL_QTY	NUMBER(24,4)	16
	SCH_PROD_SUM_ID	NUMBER(20,0)	17
	LOG		18
	ORIG_SUM_QTY	NUMBER(24,4)	19
	GROUP_NAME	VARCHAR2(12)	20
	CREATED_BY	VARCHAR2(40)	21
	CREATED_DATE	DATE	22
	UPDATED_BY	VARCHAR2(40)	23
	UPDATED_DATE	DATE	24
	SCHED_NAME	VARCHAR2(12)	25
	TRANSHIP_IND	VARCHAR2(1)	26
	BOOKING_REF	VARCHAR2(20)	27
	UOM	VARCHAR2(3)	28
	ORIGINAL_QTY	NUMBER(22,0)	29
	STATUS	VARCHAR2(20)	30
	WEIGHT	NUMBER(12,2)	31
	VOLUME	NUMBER(20,5)	32
	SOURCE_SYSTEM	VARCHAR2(12)	33
	DEL_PRIORITY	VARCHAR2(2)	34
	HANDLING_CODE1	VARCHAR2(2)	35
	HANDLING_CODE2	VARCHAR2(2)	36
	HANDLING_CODE3	VARCHAR2(2)	37
	CARRIER_CODE	VARCHAR2(3)	38
	INSP_REQ	VARCHAR2(2)	39
	TEST_REQ	VARCHAR2(2)	40
	SAP_PRODUCT_ITEM	VARCHAR2(18)	41
	WAREHOUSE_CODE	VARCHAR2(3)	42
	STORAGE_CODE	VARCHAR2(3)	43
	ORIG_PROD_TYPE	VARCHAR2(12)	44

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_REASON_CODE	REASON_CODE	VARCHAR2(12)	1
	USAGE	VARCHAR2(12)	2
	DESCRIPTION	VARCHAR2(35)	3
	CREATED_BY	VARCHAR2(40)	4
	CREATED_DATE	DATE	5
	UPDATED_BY	VARCHAR2(40)	6
	UPDATED_DATE	DATE	7

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_SCHEDULE	SCHED_NAME	VARCHAR2(12)	1
	COST_CENTRE	VARCHAR2(12)	2
	SCHED_STATUS	VARCHAR2(12)	3
	UPDATES_PENDING	VARCHAR2(1)	4
	SCHED_START	DATE	5
	SCHED_END	DATE	6
	LOCKED_BY	VARCHAR2(35)	7
	CREATED_BY	VARCHAR2(40)	8
	CREATED_DATE	DATE	9
	UPDATED_BY	VARCHAR2(40)	10
	UPDATED_DATE	DATE	11

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_TRIP	SCHED_NAME	VARCHAR2(12)	1

Ready for **What's Next, Now**™

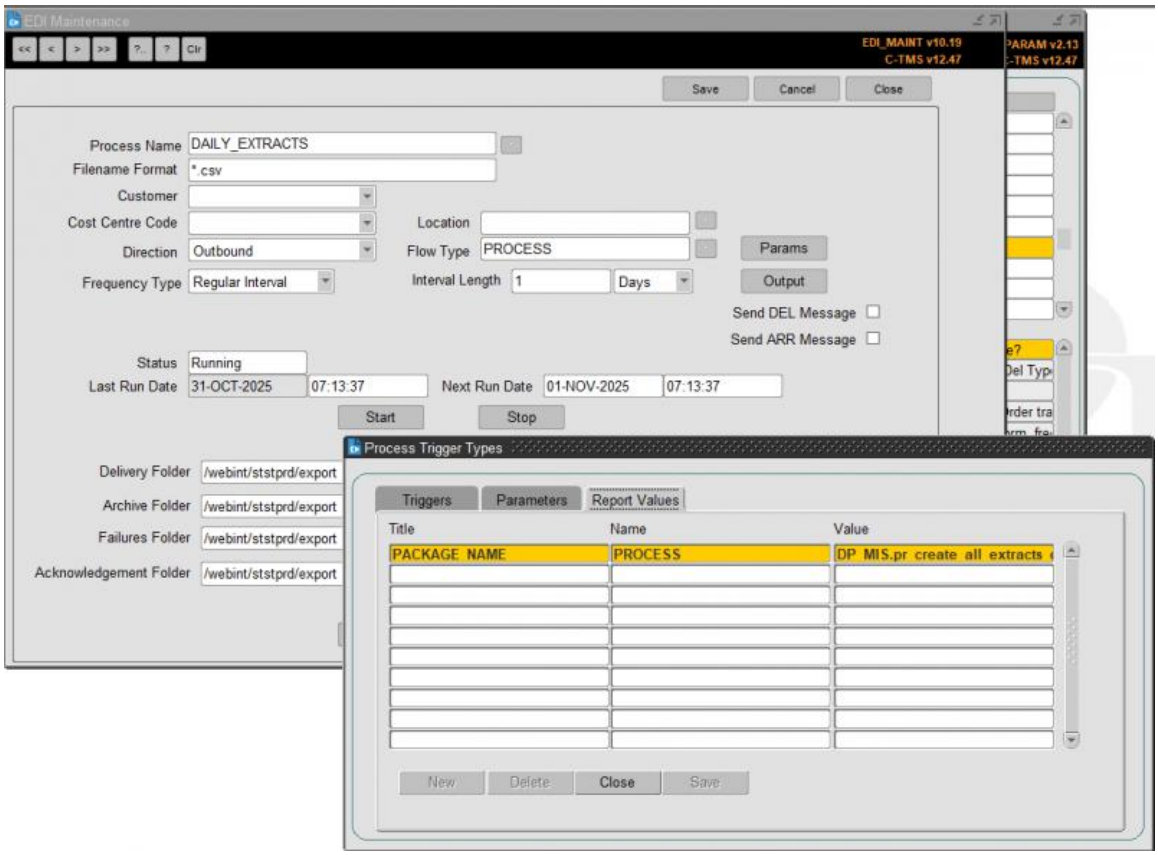
TRIP_ID	VARCHAR2(12)	2
TRIP_STATUS	VARCHAR2(12)	3
EXT_REF	VARCHAR2(50)	4
EXT_SHIP_DATE	DATE	5
COST_CENTRE	VARCHAR2(12)	6
CARRIER_ID	VARCHAR2(12)	7
OWNING_DEPOT	VARCHAR2(12)	8
HU_ID	NUMBER(10,0)	9
DRIVER_ID	NUMBER(10,0)	10
TRIP_COST	NUMBER(20,2)	11
ALLOCABLE_COST	NUMBER(20,2)	12
TRIP_COST_CCY	VARCHAR2(3)	13
TRIP_COST_UPDATED	DATE	14
COST_VAT	NUMBER(20,2)	15
TRIP_REVENUE	NUMBER(20,2)	16
TRIP_REVENUE_CCY	VARCHAR2(3)	17
TRIP_REVENUE_UPDATED	DATE	18
REVENUE_VAT	NUMBER(20,2)	19
MTM_COST	NUMBER(20,2)	20
TRIP_STD_COST	NUMBER(20,2)	21
PAYMENT_REF	VARCHAR2(50)	22
DISTANCE	NUMBER(12,2)	23
SOURCE_SYSTEM	VARCHAR2(12)	24
LAST_ERROR	VARCHAR2(256)	25
TRAILER_TYPE	VARCHAR2(12)	26
PROFIT	NUMBER(20,2)	27
MARGIN	NUMBER(8,2)	28
TRAILER_ID	VARCHAR2(50)	29
TRACTOR_ID	VARCHAR2(12)	30
BILL_OF_LADING	VARCHAR2(12)	31
START_TIME	DATE	32
END_TIME	DATE	33
ELAPSED_TIME	NUMBER(5,0)	34
DRIVE_TIME	NUMBER(5,0)	35
MANUAL_MOD	VARCHAR2(1)	36
LAST_UPDATED	DATE	37
SEAL_NO	NUMBER(35,0)	38
ODO_START	NUMBER(7,0)	39
ODO_END	NUMBER(7,0)	40
FUEL_DRAWN	NUMBER(7,1)	41
MAX_SHIFT_HOURS_BREACH	VARCHAR2(1)	42
MAX_DRIVING_HOURS_BREACH	VARCHAR2(1)	43
HOURS_BREACH_USERNAME	VARCHAR2(40)	44
HOURS_BREACH_DATETIME	DATE	45
BREAKS_BREACH	VARCHAR2(1)	46
UTILISATION	NUMBER(8,2)	47
MTM_PS_CREATED	VARCHAR2(1)	48
MTM_FEASIBLE	VARCHAR2(1)	49
ROUTE_CODE	VARCHAR2(12)	50
FIX_TRAILER	VARCHAR2(1)	51
DRIVER_ID2	NUMBER(10,0)	52
DRIVER_ID3	NUMBER(10,0)	53
SVC_TYPE	VARCHAR2(12)	54
LAST_INVITATION_DATE	DATE	55
LAST_ACCEPTED_DATE	DATE	56
LAST_REJECTED_DATE	DATE	57
TRIP_AMENDED_FLAG	VARCHAR2(1)	58
CTM_CHASER_COUNT	NUMBER(5,0)	59
ROUTE_CREATION_DAYNO	NUMBER(22,0)	60
SEND_AMENDED_EMAIL	VARCHAR2(1)	61
SJC_DATA	VARCHAR2(2000)	62
TOTAL_TRIP_WORK	NUMBER(5,0)	63
TOTAL_TRIP_BREAK	NUMBER(5,0)	64
SHIFT_START	DATE	65
SHIFT_END	DATE	66
CREATED_DATE	DATE	67
CREATED_USER	VARCHAR2(50)	68
CARRIER_REF	VARCHAR2(25)	69
CCY_CODE	VARCHAR2(3)	70
CONTAINER_NO	VARCHAR2(50)	71
OWNING_DEPOT_MAN_MOD	VARCHAR2(1)	72
SYS_DELETED	VARCHAR2(1)	73
PLANNED_ARRIVE_FIRST_STOP	DATE	74
PLANNED_ARRIVE_LAST_STOP	DATE	75
LAST_ENROUTE_DATE	DATE	76
LAST_COMPLETED_DATE	DATE	77
OUTBOUND_VEHICLE_FILL	NUMBER(5,2)	78
INBOUND_VEHICLE_FILL	NUMBER(5,2)	79

	TRIP_HAS_COLLECTION	VARCHAR2(1)	80
	TRIP_EXPIRY_TIME	DATE	81
	EFX_REF	VARCHAR2(50)	82
	EFX_SEND_FLAG	VARCHAR2(1)	83
	TRAILER_ID2	VARCHAR2(50)	84
	FULL_LOAD	VARCHAR2(10)	85

TABLE_NAME	COLUMN_NAME	DATA_TYPE_SIZE	COLUMN_POSN
SCH_TRIP_STOP	STOP_ID	NUMBER(22,0)	1
	SCHED_NAME	VARCHAR2(12)	2
	TRIP_ID	VARCHAR2(12)	3
	STOP_NO	NUMBER(13,5)	4
	STOP_TYPE	VARCHAR2(2)	5
	LOCATION_ID	VARCHAR2(12)	6
	ARRIVE	DATE	7
	LOAD_START	DATE	8
	LOAD_COMPLETE	DATE	9
	DEPART	DATE	10
	LAYOVER	VARCHAR2(6)	11
	DISTANCE_FROM_PREV_STOP	NUMBER(10,0)	12
	DRIVE_TIME_FROM_PREV_STOP	NUMBER(10,0)	13
	ACTUAL_ARRIVE	DATE	14
	ACTUAL_DEPART	DATE	15
	WEIGHT_ON_DEPART	NUMBER(20,2)	16
	VOLUME_ON_DEPART	NUMBER(20,5)	17
	RPE_ON_DEPART	NUMBER(22,2)	18
	TRAILER_ID	VARCHAR2(12)	19
	FIXED	VARCHAR2(1)	20
	TRAILER_TYPE	VARCHAR2(12)	21
	SEAL_NO	VARCHAR2(50)	22
	DT_CALC_METHOD	VARCHAR2(12)	23
	RPE_ON_DEPART_ROUND	NUMBER(20,0)	24
	MANUAL_APPLY_STOPOVER	VARCHAR2(1)	25
	MANUAL_OVERRIDE_STOPOVER	VARCHAR2(1)	26
	STOPOVER	VARCHAR2(1)	27
	WAIT_TIME_MINS	NUMBER(10,0)	28
	LOAD_TIME_MINS	NUMBER(10,0)	29
	LAYOVER_MINS	NUMBER(10,0)	30
	BOOKING_TIME	VARCHAR2(25)	31
	PICK_BY	DATE	32
	DU_QTY_ON_DEPART	NUMBER(24,4)	33
	TRAILER_ID2	VARCHAR2(12)	34
	CREATED_BY	VARCHAR2(40)	35
	CREATED_DATE	DATE	36
	UPDATED_BY	VARCHAR2(40)	37
	UPDATED_DATE	DATE	38

4 Extraction

Data is scheduled to run on an Oracle DMBS_JOB that will produce delimited flat files that will be pushed to an agreed server.



The set up must contain

- A unique Process Name
- Direction Outbound
- File Type PROCESS
- The interval should be once daily at a defined time after midnight.
- The folders should point to a known folder within the CTMS system data structure.
- The Params should be
    - Title PACKAGE_NAME, name PROCESS, Value DP_MIS.pr_create_all_extracts

The following shows the data extracted, grouped by type.

Business Area Trip

```
SCH_HAULAGE_ACTIVITY
SCH_TRIP
SCH_TRIP_STOP
```

Business Area Resources

```
IMP_DECODE_ENTRY
ORG_CUSTOMER
RES_CARRIER
RES_CARRIER_TYPE
RES_PERSON
RES_TRAILER_TYPE
```

Business Area Orders

```
SCH_ORD
```


Ready for What's Next, Now™

```
SCH_ORD_NON_CONFORM
SCH_ORDER_LINE
SCH_ORDER_ITEMS
SCH_ORDER_ITEMS_REASONS
```

Business Area Locations

```
GEO_LOCATION
GEO_LOCATION_USAGE
```

Business Area Contracts

```
CNT_CHARGE
CNT_CHARGE_TIER
CNT_CONTRACT
CNT_TARIFF
```

Business Area Bookings

```
INT_BOOKING_DETAIL
SAP_PRODUCT_ITEM
SCH_BOOKING
SCH_PRODUCT_SUMMARY
SCH_REASON_CODE
```

Business Area Schedule

```
SCH_SCHEDULE
```

The export will include all agreed columns on the agreed tables.

All tables will contain columns to identify record created date and records updated date.

Empty csv files will be produced if there is no new data to send to the MIS solution.

There is no method to identify when records are deleted. Therefore records removed from CTMS will not be extracted.