

## FORTS\_CLR\_REPL

```
table=money_clearing
    table=clr_rate
    table=fut_pos
    table=opt_pos
+table=fut_sess_settl
+table=opt_sess_settl
    table=pledge_details
table=money_clearing_sa
    table=fut_pos_sa
    table=opt_pos_sa
    table=sys_events
```

```
[table:CustReplScheme:fut_pos]
```

```
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=isin_id,i4
    field=sess_id,i4
        field=isin,c25
    field=client_code,c7
        field=account,i1
        -field=pos_beg,i4
    field=xpos_beg,i8
        -field=pos_end,i4
    field=xpos_end,i8
        field=vm,d16.2
        field=fee,d16.2
    field=accum_go,d16.2
        field=fee_ex,d16.2
        field=vat_ex,d16.2
        field=fee_cc,d16.2
        field=vat_cc,d16.2
```

```
index=IDX_fut_pos_ID_U,UNIQUE,replID
index=IDX_fut_pos_REV_U,UNIQUE,replRev
```

```
[table:CustReplScheme:opt_pos]
```

```
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=isin_id,i4
    field=sess_id,i4
        field=isin,c25
    field=client_code,c7
        field=account,i1
        -field=pos_beg,i4
    field=xpos_beg,i8
        -field=pos_end,i4
    field=xpos_end,i8
        field=vm,d16.2
        field=fee,d16.2
    field=fee_ex,d16.2
    field=vat_ex,d16.2
    field=fee_cc,d16.2
    field=vat_cc,d16.2
```

```
index=IDX_opt_pos_ID_U,UNIQUE,replID
index=IDX_opt_pos_REV_U,UNIQUE,replRev
```

```

[table:CustReplScheme:pledge_details]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=client_code,c7
    field=pledge_name,c10
    -field=amount_beg,d10.0
    field=xamount_beg,d26.2
        -field=pay,d10.0
        field=xpay,d26.2
        -field=amount,d10.0
        field=xamount,d26.2
        field=rate,d16.5
    -field=amount_beg_money,d16.2
    field=xamount_beg_money,d26.2
        -field=pay_money,d16.2
        field=xpay_money,d26.2
    -field=amount_money,d16.2
    field=xamount_money,d26.2
    field=com_ensure,i1

```

index=IDX\_pledge\_details\_ID\_U,UNIQUE,replID  
 index=IDX\_pledge\_details\_REV\_U,UNIQUE,replRev

```

[table:CustReplScheme:fut_pos_sa]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=isin_id,i4
    field=sess_id,i4
    field=isin,c25
    field=settlement_account,c12
        -field=pos_beg,i4
        field=xpos_beg,i8
        -field=pos_end,i4
        field=xpos_end,i8
        field=vm,d26.2
        field=fee,d26.2
        field=fee_ex,d26.2
        field=vat_ex,d26.2
        field=fee_cc,d26.2
        field=vat_cc,d26.2

```

index=IDX\_fut\_pos\_sa\_ID\_U,UNIQUE,replID  
 index=IDX\_fut\_pos\_sa\_REV\_U,UNIQUE,replRev

[table:CustReplScheme:opt\_pos\_sa]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=isin\_id,i4  
field=sess\_id,i4  
field=isin,c25  
field=settlement\_account,c12  
**-field=pos\_beg,i4**  
field=xpos\_beg,i8  
**-field=pos\_end,i4**  
field=xpos\_end,i8  
field=vm,d26.2  
field=fee,d26.2  
field=fee\_ex,d26.2  
field=vat\_ex,d26.2  
field=fee\_cc,d26.2  
field=vat\_cc,d26.2

index=IDX\_opt\_pos\_sa\_ID\_U,UNIQUE,replID  
index=IDX\_opt\_pos\_sa\_REV\_U,UNIQUE,replRev

+ [table:CustReplScheme:fut\_sess\_settl]

+field=replID,i8  
+field=replRev,i8  
+field=replAct,i8  
+field=sess\_id,i4  
+field=date\_clr,t  
+field=isin,c25  
+field=isin\_id,i4  
+field=settl\_price,d16.5

index=IDX\_fut\_sess\_settl\_ID\_U,UNIQUE,replID  
index=IDX\_fut\_sess\_settl\_REV\_U,UNIQUE,replRev

+ [table:CustReplScheme:opt\_sess\_settl]

+field=replID,i8  
+field=replRev,i8  
+field=replAct,i8  
+field=sess\_id,i4  
+field=date\_clr,t  
+field=isin,c25  
+field=isin\_id,i4  
+field=volat,d16.5  
+field=theor\_price,d16.5

index=IDX\_opt\_sess\_settl\_ID\_U,UNIQUE,replID  
index=IDX\_opt\_sess\_settl\_REV\_U,UNIQUE,replRev

---

## FORTS DEALS REPL

```
[table:CustReplScheme:deal]
  field=replID,i8
  field=replRev,i8
  field=replAct,i8
  field=sess_id,i4
  field=isin_id,i4
  field=id_deal,i8
    -field=pos,i4
  field=xpos,i8
  -field=amount,i4
  field=xamount,i8
  field=id_ord_buy,i8
  field=id_ord_sell,i8
  field=price,d16.5
  field=moment,t
  field=moment_ns,u8
  field=nosystem,i1
```

index=IDX\_deal\_ID\_U,UNIQUE,replID  
index=IDX\_deal\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:multileg_deal]
  field=replID,i8
  field=replRev,i8
  field=replAct,i8
  field=sess_id,i4
  field=isin_id,i4
  field=id_deal,i8
  field=id_ord_buy,i8
  field=id_ord_sell,i8
  -field=amount,i4
  field=xamount,i8
  field=price,d16.5
  field=rate_price,d16.5
  field=swap_price,d16.5
  field=buyback_amount,d16.2
  field=moment,t
  field=moment_ns,u8
  field=nosystem,i1
```

index=IDX\_multileg\_deal\_ID\_U,UNIQUE,replID  
index=IDX\_multileg\_deal\_REV\_U,UNIQUE,replRev

---

## FORTS\_FUTCOMMON\_REPL

```
[table:CustReplScheme:common]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=sess_id,i4
    field=isin_id,i4
    field=best_buy,d16.5
    -field=amount_buy,i4
    field=xamount_buy,i8
    field=orders_buy_qty,i4
    -field=orders_buy_amount,i4
    field=xorders_buy_amount,i8
        field=best_sell,d16.5
        -field=amount_sell,i4
        field=xamount_sell,i8
        field=orders_sell_qty,i4
    -field=orders_sell_amount,i4
    field=xorders_sell_amount,i8
        field=open_price,d16.5
        field=close_price,d16.5
            field=price,d16.5
            field=trend,d16.5
            -field=amount,i4
            field=xamount,i8
            field=deal_time,t
        field=deal_time_ns,u8
        field=min_price,d16.5
        field=max_price,d16.5
        field=avr_price,d16.5
    -field=contr_count,i4
    field=xcontr_count,i8
        field=capital,d26.2
        field=deal_count,i4
    field=old_kotir,d16.5
        -field=pos,i4
        field=xpos,i8
        field=mod_time,t
    field=mod_time_ns,u8
        field=cur_kotir,d16.5
    field=cur_kotir_real,d16.5
        field=local_time,t

    index=IDX_common_ID_U,UNIQUE,replID
    index=IDX_common_REV_U,UNIQUE,replRev
```

---

## FORTS\_FUTINFO\_REPL

```
    table=rates
table=fut_sess_contents
    table=fut_vcb
    table=fut_instruments
table=fut_bond_registry
    table=diler
    table=sys_messages
    table=prohibition
    table=multileg_dict
table=fut_rejected_orders
    table=fut_intercl_info
    table=fut_bond_nkd
    table=fut_bond_nominal
    table=fut_bond_isin
        +table=user
    table=usd_online
    table=investr
-table=fut_sess_settl
    table=fut_margin_type
table=fut_settlement_account
    table=session
        +table=sma_master
+table=sma_pre_trade_check
    table=dealer
    table=investor
    table=sys_events
```

[table:CustRepIScheme:fut\_rejected\_orders]

```
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=order_id,i8
    field=sess_id,i4
    field=moment,t
    field=isin_id,i4
    field=client_code,c7
        field=dir,i1
-field=amount,i4
    field=xamount,i8
    field=price,d16.5
    field=date_exp,t
    field=id_ord1,i8
    field=moment_reject,t
        field=ret_code,i4
    field=ret_message,c255
        field=comment,c20
    field=login_from,c20
        field=ext_id,i4
```

index=IDX\_fut\_rejected\_orders\_ID\_U,UNIQUE,replID  
index=IDX\_fut\_rejected\_orders\_REV\_U,UNIQUE,replRev

```

+[table:CustReplScheme:user]
  +field=replID,i8
  +field=replRev,i8
  +field=replAct,i8
  +field=login,c20
  +field=start_date,t
  +field=end_date,t
  +field=client_code,c7
  +field=operation_mask,i4
    +field=lang,i2
  +field=sma_flags,i4
  +field=sma_status,i4
    +field=aspref,i4

  +index=IDX_user_ID_U,UNIQUE,replID
  +index=IDX_user_REV_U,UNIQUE,replRev

-[table:CustReplScheme:fut_sess_settl]
  -field=replID,i8
  -field=replRev,i8
  -field=replAct,i8
  -field=sess_id,i4
  -field=date_clr,t
  -field=isin,c25
  -field=isin_id,i4
  -field=settl_price,d16.5

  -index=IDX_fut_sess_settl_ID_U,UNIQUE,replID
  -index=IDX_fut_sess_settl_REV_U,UNIQUE,replRev

[table:CustReplScheme:fut_margin_type]
  field=replID,i8
  field=replRev,i8
  field=replAct,i8
  field=code,c12
    +field=type,i1
  field=margin_type,i1
  field=UCP_type,i1
  field=prohibit_coeff,d16.2
    field=prohibit_type,i4
  field=settlement_account_type,i1

  index=IDX_fut_margin_type_ID_U,UNIQUE,replID
  index=IDX_fut_margin_type_REV_U,UNIQUE,replRev

+[table:CustReplScheme:sma_master]
  +field=replID,i8
  +field=replRev,i8
  +field=replAct,i8
  +field=sma_asp,c20
  +field=sma_aspref,i4
  +field=master_asp,c20
  +field=master_aspref,i4

  +index=IDX_sma_master_ID_U,UNIQUE,replID
  +index=IDX_sma_master_REV_U,UNIQUE,replRev

```

```

+[table:CustReplScheme:sma_pre_trade_check]
    +field=replID,i8
    +field=replRev,i8
    +field=replAct,i8
    +field=check_id,i8
    +field=sma_asp,c20
    +field=sma_aspref,i4
    +field=check_number,i1
    +field=base_contract_code,c25
    +field=instrument_type,i1
    +field=client_code_check,c7
    +field=value,d26.2

+index=IDX_sma_pre_trade_check_ID_U,UNIQUE,replID
+index=IDX_sma_pre_trade_check_REV_U,UNIQUE,replRev

```

---

## FORTS\_FUTTRADE\_REPL

```

[table:CustReplScheme:orders_log]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=id_ord,i8
    field=sess_id,i4
    field=isin_id,i4
    -field=amount,i4
    field=xamount,i8
    -field=amount_rest,i4
    field=xamount_rest,i8
    field=id_deal,i8
    field=xstatus,i8
    -field=status,i4
    field=price,d16.5
    field=moment,t
    field=moment_ns,u8
        field=dir,i1
        field=action,i1
    field=deal_price,d16.5
    field=client_code,c7
    field=login_from,c20
    field=comment,c20
        field=hedge,i1
        field=trust,i1
        field=ext_id,i4
    field=broker_to,c7
    field=broker_to_rts,c7
    field=broker_from_rts,c7
        field=date_exp,t
        field=id_ord1,i8
    field=local_stamp,t
    +field=aspref,i4

```

```

index=IDX_orders_log_ID_U,UNIQUE,replID
index=IDX_orders_log_REV_U,UNIQUE,replRev

```

[table:CustReplScheme:multileg\_orders\_log]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=id\_ord,i8  
field=sess\_id,i4  
field=isin\_id,i4  
**-field=amount,i4**  
field=xamount,i8  
**-field=amount\_rest,i4**  
field=xamount\_rest,i8  
field=id\_deal,i8  
field=xstatus,i8  
**-field=status,i4**  
field=price,d16.5  
field=moment,t  
field=moment\_ns,u8  
field=dir,i1  
field=action,i1  
field=deal\_price,d16.5  
field=rate\_price,d16.5  
field=swap\_price,d16.5  
field=client\_code,c7  
field=login\_from,c20  
field=comment,c20  
field=hedge,i1  
field=trust,i1  
field=ext\_id,i4  
field=broker\_to,c7  
field=broker\_to\_rts,c7  
field=broker\_from\_rts,c7  
field=date\_exp,t  
field=id\_ord1,i8  
field=local\_stamp,t  
**+field=aspref,i4**

index=IDX\_multileg\_orders\_log\_ID\_U,UNIQUE,replID  
index=IDX\_multileg\_orders\_log\_REV\_U,UNIQUE,replRev

```

[table:CustReplScheme:user_deal]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=sess_id,i4
    field=isin_id,i4
    field=id_deal,i8
    field=id_deal_multileg,i8
    field=id_repo,i8
    -field=pos,i4
    field=xpos,i8
    -field=amount,i4
    field=xamount,i8
    field=id_ord_buy,i8
    field=id_ord_sell,i8
    field=price,d16.5
    field=moment,t
    field=moment_ns,u8
    field=nosystem,i1
    field=xstatus_buy,i8
    field=xstatus_sell,i8
    -field=status_buy,i4
    -field=status_sell,i4
    field=ext_id_buy,i4
    field=ext_id_sell,i4
    field=code_buy,c7
    field=code_sell,c7
    field=comment_buy,c20
    field=comment_sell,c20
        field=trust_buy,i1
        field=trust_sell,i1
        field=hedge_buy,i1
        field=hedge_sell,i1
    field=fee_buy,d26.2
    field=fee_sell,d26.2
    field=login_buy,c20
    field=login_sell,c20
    field=code_rts_buy,c7
    field=code_rts_sell,c7

index=IDX_user_deal_ID_U,UNIQUE,replID
index=IDX_user_deal_REV_U,UNIQUE,replRev

```

```




---



```

## **FORTS\_INFO\_REPL**

```
    table=currency_params
    table=base_contracts_params
        table=futures_params
    table=virtual_futures_params
        table=options_params
            table=investor
            table=dealer
    table=common_params
+table=option_series_params
    table=sys_events
```

```
+[table:CustReplScheme:option_series_params]
```

```
    +field=replID,i8
    +field=replRev,i8
    +field=replAct,i8
    +field=isin,c25
    +field=isin_base,c25
        +field=a,f
        +field=b,f
        +field=c,f
        +field=d,f
        +field=e,f
        +field=exp_date,t
    +field=use_null_volat,i1
        +field=s,f
        +field=strike_step,f
    +field=exp_clearings_sa,i4
    +field=exp_clearings_bf,i4
    +field=exp_clearings_cc,i4
        +field=volatility_risk,f
    +field=volatility_risk_mismatch,f
    +field=time_to_expiration,f
```

```
+index=IDX_option_series_params_ID_U,UNIQUE,replID
+index=IDX_option_series_params_REV_U,UNIQUE,replRev
```

---

## FORTS\_MM\_REPL

```
[table:CustReplScheme:fut_MM_info]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=isin_id,i4
    field=sess_id,i4
    field=spread,d16.5
    field=price_edge_sell,d16.5
    -field=amount_sells,i4
    field=xamount_sells,i8
    field=price_edge_buy,d16.5
    -field=amount_buys,i4
    field=xamount_buys,i8
    field=mm_spread,d16.5
    -field=mm_amount,i4
    field=xmm_amount,i8
    field=spread_sign,i1
    field=amount_sign,i1
    field=percent_time,d6.2
    field=period_start,t
    field=period_end,t
    field=client_code,c7
    field=active_sign,i4
    field=fulfil_min,d6.2
    field=fulfil_partial,d6.2
    field=fulfil_total,d6.2
    field=is_fulfil_min,i1
    field=is_fulfil_partial,i1
    field=is_fulfil_total,i1
    field=agmt_id,i4
    field=is_rf,i1
    field=id_group,i4
```

index=IDX\_fut\_MM\_info\_ID\_U,UNIQUE,replID  
index=IDX\_fut\_MM\_info\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:opt_MM_info]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=isin_id,i4
    field=sess_id,i4
    field=spread,d16.5
field=price_edge_sell,d16.5
    -field=amount_sells,i4
    field=xamount_sells,i8
field=price_edge_buy,d16.5
    -field=amount_buys,i4
    field=xamount_buys,i8
    field=mm_spread,d16.5
    -field=mm_amount,i4
    field=xmm_amount,i8
    field=spread_sign,i1
    field=amount_sign,i1
field=percent_time,d6.2
    field=period_start,t
    field=period_end,t
    field=client_code,c7
field=cstrike_offset,d16.5
    field=active_sign,i4
    field=fulfil_min,d6.2
field=fulfil_partial,d6.2
    field=fulfil_total,d6.2
    field=is_fulfil_min,i1
field=is_fulfil_partial,i1
    field=is_fulfil_total,i1
    field=agmt_id,i4
    field=is_rf,i1
    field=id_group,i4
```

```
index=IDX_opt_MM_info_ID_U,UNIQUE,replID
index=IDX_opt_MM_info_REV_U,UNIQUE,replRev
```

---

## FORTS\_OPTCOMMON\_REPL

```
[table:CustReplScheme:common]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=sess_id,i4
    field=isin_id,i4
    field=best_buy,d16.5
    -field=amount_buy,i4
    field=xamount_buy,i8
    field=orders_buy_qty,i4
    -field=orders_buy_amount,i4
    field=xorders_buy_amount,i8
    field=best_sell,d16.5
    -field=amount_sell,i4
    field=xamount_sell,i8
    field=orders_sell_qty,i4
    -field=orders_sell_amount,i4
    field=xorders_sell_amount,i8
    field=open_price,d16.5
    field=close_price,d16.5
    field=price,d16.5
    field=trend,d16.5
    -field=amount,i4
    field=xamount,i8
    field=deal_time,t
    field=deal_time_ns,u8
    field=min_price,d16.5
    field=max_price,d16.5
    field=avr_price,d16.5
    -field=contr_count,i4
    field=xcontr_count,i8
    field=capital,d26.2
    field=deal_count,i4
    field=old_kotir,d16.5
    -field=pos,i4
    field=xpos,i8
    field=mod_time,t
    field=mod_time_ns,u8
    field=local_time,t
```

```
index=IDX_common_ID_U,UNIQUE,replID
index=IDX_common_REV_U,UNIQUE,replRev
```

---

## **FORTS\_OPTINFO\_REPL**

```
table=opt_sess_contents
      table=opt_vcb
table=opt_rejected_orders
      table=opt_intercl_info
      table=opt_exp_orders
      -table=opt_sess_settl
      table=sys_events

[table:CustReplScheme:opt_vcb]
      field=replID,i8
      field=replRev,i8
      field=replAct,i8
      field=code_vcb,c25
      field=name,c75
      field=exec_type,c1
      field=curr,c3
      field=trade_scheme,c1
      -field=coeff_out,d7.3
      -field=min_vol,i4
      field=rate_id,i4

index=IDX_opt_vcb_ID_U,UNIQUE,replID
index=IDX_opt_vcb_REV_U,UNIQUE,replRev

[table:CustReplScheme:opt_rejected_orders]
      field=replID,i8
      field=replRev,i8
      field=replAct,i8
      field=order_id,i8
      field=sess_id,i4
      field=moment,t
      field=isin_id,i4
      field=client_code,c7
      field=dir,i1
      -field=amount,i4
      field=xamount,i8
      field=price,d16.5
      field=date_exp,t
      field=id_ord1,i8
      field=moment_reject,t
      field=ret_code,i4
      field=ret_message,c255
      field=comment,c20
      field=login_from,c20
      field=ext_id,i4

index=IDX_opt_rejected_orders_ID_U,UNIQUE,replID
index=IDX_opt_rejected_orders_REV_U,UNIQUE,replRev
```

```
[table:CustReplScheme:opt_exp_orders]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=exporder_id,i8
    field=client_code,c7
        field=isin_id,i4
        -field=amount,i4
    field=xamount,i8
    field=sess_id,i4
        field=date,t
        -field=amount_apply,i4
    field=xamount_apply,i8
```

```
index=IDX_opt_exp_orders_ID_U,UNIQUE,replID
index=IDX_opt_exp_orders_REV_U,UNIQUE,replRev
```

```
-[table:CustReplScheme:opt_sess_settl]
    -field=replID,i8
    -field=replRev,i8
    -field=replAct,i8
    -field=sess_id,i4
    -field=date_clr,t
        -field=isin,c25
        -field=isin_id,i4
    -field=volat,d16.5
    -field=theor_price,d16.5
```

```
-index=IDX_opt_sess_settl_ID_U,UNIQUE,replID
-index=IDX_opt_sess_settl_REV_U,UNIQUE,replRev
```

---

## FORTS\_OPTTRADE\_REPL

```
[table:CustReplScheme:orders_log]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=id_ord,i8
    field=sess_id,i4
    field=isin_id,i4
    -field=amount,i4
    field=xamount,i8
    -field=amount_rest,i4
    field=xamount_rest,i8
        field=id_deal,i8
        field=xstatus,i8
        -field=status,i4
        field=price,d16.5
        field=moment,t
        field=moment_ns,u8
            field=dir,i1
            field=action,i1
        field=deal_price,d16.5
        field=client_code,c7
        field=login_from,c20
        field=comment,c20
            field=hedge,i1
            field=trust,i1
            field=ext_id,i4
        field=broker_to,c7
        field=broker_to_rts,c7
        field=broker_from_rts,c7
            field=date_exp,t
            field=id_ord1,i8
            field=local_stamp,t
            +field=aspref,i4
```

index=IDX\_orders\_log\_ID\_U,UNIQUE,replID  
index=IDX\_orders\_log\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:user_deal]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=sess_id,i4
    field=isin_id,i4
    field=id_deal,i8
    field=id_deal_multileg,i8
        -field=pos,i4
        field=xpos,i8
        -field=amount,i4
        field=xamount,i8
    field=id_ord_buy,i8
    field=id_ord_sell,i8
        field=price,d16.5
        field=moment,t
    field=moment_ns,u8
        field=nosystem,i1
    field=xstatus_buy,i8
    field=xstatus_sell,i8
        -field=status_buy,i4
        -field=status_sell,i4
        field=ext_id_buy,i4
        field=ext_id_sell,i4
        field=code_buy,c7
        field=code_sell,c7
    field=comment_buy,c20
    field=comment_sell,c20
        field=trust_buy,i1
        field=trust_sell,i1
        field=hedge_buy,i1
        field=hedge_sell,i1
        field=fee_buy,d26.2
        field=fee_sell,d26.2
        field=login_buy,c20
        field=login_sell,c20
    field=code_rts_buy,c7
    field=code_rts_sell,c7
```

```
-----  
index=IDX_user_deal_ID_U,UNIQUE,replID  
index=IDX_user_deal_REV_U,UNIQUE,replRev
```

## FORTS\_ORDLOG\_REPL

[table:CustReplScheme:orders\_log]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=id\_ord,i8  
field=sess\_id,i4  
field=isin\_id,i4  
**-field=amount,i4**  
field=xamount,i8  
**-field=amount\_rest,i4**  
field=xamount\_rest,i8  
field=id\_deal,i8  
field=xstatus,i8  
**-field=status,i4**  
field=price,d16.5  
field=moment,t  
field=moment\_ns,u8  
field=dir,i1  
field=action,i1  
field=deal\_price,d16.5

index=IDX\_orders\_log\_ID\_U,UNIQUE,replID  
index=IDX\_orders\_log\_REV\_U,UNIQUE,replRev

[table:CustReplScheme:multileg\_orders\_log]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=id\_ord,i8  
field=sess\_id,i4  
field=isin\_id,i4  
**-field=amount,i4**  
field=xamount,i8  
**-field=amount\_rest,i4**  
field=xamount\_rest,i8  
field=id\_deal,i8  
field=xstatus,i8  
**-field=status,i4**  
field=price,d16.5  
field=moment,t  
field=moment\_ns,u8  
field=dir,i1  
field=action,i1  
field=deal\_price,d16.5  
field=rate\_price,d16.5  
field=swap\_price,d16.5

index=IDX\_multileg\_orders\_log\_ID\_U,UNIQUE,replID  
index=IDX\_multileg\_orders\_log\_REV\_U,UNIQUE,replRev

---

## FORTS\_ORDBOOK\_REPL

[table:CustReplScheme:orders]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=id\_ord,i8  
field=sess\_id,i4  
field=moment,t  
field=moment\_ns,u8  
field=xstatus,i8  
**-field=status,i4**  
field=action,i1  
field=isin\_id,i4  
field=dir,i1  
field=price,d16.5  
**-field=amount,i4**  
field=xamount,i8  
**-field=amount\_rest,i4**  
field=xamount\_rest,i8  
field=init\_moment,t  
**-field=init\_amount,i4**  
field=xinit\_amount,i8  
**+field=aspref,i4**

index=IDX\_orders\_ID\_U,UNIQUE,replID  
index=IDX\_orders\_REV\_U,UNIQUE,replRev

---

## FORTS\_FUTORDERBOOK\_REPL

```
[table:CustReplScheme:orders]
  field=replID,i8
  field=replRev,i8
  field=replAct,i8
  field=id_ord,i8
  field=sess_id,i4
  field=client_code,c7
  field=moment,t
  field=moment_ns,u8
  field=xstatus,i8
  -field=status,i4
  field=action,i1
  field=isin_id,i4
  field=dir,i1
  field=price,d16.5
  -field=amount,i4
  field=xamount,i8
  -field=amount_rest,i4
  field=xamount_rest,i8
  field=comment,c20
  field=hedge,i1
  field=trust,i1
  field=ext_id,i4
  field=login_from,c20
  field=broker_to,c7
  field=broker_to_rts,c7
  field=date_exp,t
  field=id_ord1,i8
  field=broker_from_rts,c7
  +field=aspref,i4
  field=init_moment,t
  -field=init_amount,i4
  field=xinit_amount,i8
```

```
index=IDX_orders_ID_U,UNIQUE,replID
index=IDX_orders_REV_U,UNIQUE,replRev
```

---

## FORTS\_POS\_REPL

[table:CustReplScheme:position]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=client\_code,c7  
field=isin\_id,i4  
**-field=pos,i4**  
field=xpos,i8  
**-field=buys\_qty,i4**  
field=xbuys\_qty,i8  
**-field=sells\_qty,i4**  
field=xsells\_qty,i8  
**-field=open\_qty,i4**  
field=xopen\_qty,i8  
field=waprice,d16.5  
field=net\_volume\_rur,d26.2  
field=last\_deal\_id,i8  
field=account\_type,i1

index=IDX\_position\_ID\_U,UNIQUE,replID  
index=IDX\_position\_REV\_U,UNIQUE,replRev

[table:CustReplScheme:position\_sa]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=client\_code,c12  
field=isin\_id,i4  
**-field=pos,i4**  
field=xpos,i8  
**-field=buys\_qty,i4**  
field=xbuys\_qty,i8  
**-field=sells\_qty,i4**  
field=xsells\_qty,i8  
**-field=open\_qty,i4**  
field=xopen\_qty,i8  
field=waprice,d16.5  
field=net\_volume\_rur,d26.2  
field=last\_deal\_id,i8

index=IDX\_position\_sa\_ID\_U,UNIQUE,replID  
index=IDX\_position\_sa\_REV\_U,UNIQUE,replRev

---

## **RTS\_INDEX REPL**

[table:CustReplScheme:rts\_index]

field=replID,i8

field=replRev,i8

field=replAct,i8

field=name,c25

field=moment,t

field=value,d18.4

field=prev\_close\_value,d18.4

field=open\_value,d18.4

field=max\_value,d18.4

field=min\_value,d18.4

field=usd\_rate,d10.4

field=cap,d18.4

field=volume,d18.4

+field=value\_highprec,d18.6

+field=prev\_close\_value\_highprec,d18.6

+field=open\_value\_highprec,d18.6

+field=max\_value\_highprec,d18.6

+field=min\_value\_highprec,d18.6

index=IDX\_rts\_index\_ID\_U,UNIQUE,replID

index=IDX\_rts\_index\_REV\_U,UNIQUE,replRev

---

## **MCXCC\_MDCOMMON\_REPL**

```
[table:CustReplScheme:COMMON]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SECBOARD,c4
    field=SECCODE,c12
        field=BID,d16.6
        field=BIDDEPTH,i8
        field=BIDDEPTHHT,i8
            field=NUMBIDS,i4
            field=OFFER,d16.6
            field=OFFERDEPTH,i8
            field=OFFERDEPTHHT,i8
                field=NUMOFFERS,i4
                    field=OPEN,d16.6
                    field=HIGH,d16.6
                    field=LOW,d16.6
                    field=LAST,d16.6
                    field=LASTNEG,d16.6
                    field=CHANGE,d16.6
                        field=QTY,i8
                        field=TIME,t
                    field=VOLTODAY,i8
                    field=VALTODAY,i8
                    field=VALUE,d16.2
                    field=WAPRICE,d16.6
                    field=HIGHBID,d16.6
                    field=LOWOFFER,d16.6
                    field=NUMTRADES,i4
                    field=PRICEMINUSPREVWAPRICE,d16.6
                    field=CLOSEPRICE,d16.6
                        field=LASTBID,d16.6
                        field=LASTOFFER,d16.6
                    field=LASTSETTLECODE,c12
                        field=BASEPRICE,d16.6
                        field=MARKETPRICE,d16.6
                    field=MARKETPRICETODAY,d16.6
                        field=SETTLECODE,c12
                        field=MARKETPRICE2,d16.6
                    field=ADMITTEDQUOTE,d16.6
                    -field=SETTLEDATE,t

    index=IDX_COMMON_ID_U,UNIQUE,replID
    index=IDX_COMMON_REV_U,UNIQUE,replRev
```

---

## **MCXCC\_INFO\_REPL**

```
[table:CustReplScheme:SECURITIES]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SECBOARD,c4
    field=SECCODE,c12
    field=SECNAME,c30
    field=REMARKS,c8
    field=SHORTNAME,c10
        field=STATUS,c1
    field=TRADINGSTATUS,c1
        field=MARKETCODE,c4
            field=INSTRID,c4
            field=SECTORID,c4
            field=LOTSIZE,i4
            field=MINSTEP,d16.6
            -field=FACEVALUE,d16.6
            +field=FACEVALUE,f
            field=FACEUNIT,c4
            field=PREVDATE,t
            field=PREVPRICE,d16.6
            field=DECIMALS,i1
    field=PREVWAPRICE,d16.6
        field=CURRENCYID,c4
        field=LATNAME,c30
```

index=IDX\_SECURITIES\_ID\_U,UNIQUE,replID  
index=IDX\_SECURITIES\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:SETTLECODES]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SETTLECODE,c12
    field=DESCRIPTION,c30
        field=SETTLEDATE,t
        +field=FIXINGDATE,t
```

index=IDX\_SETTLECODES\_ID\_U,UNIQUE,replID  
index=IDX\_SETTLECODES\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:STATS]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SESSION,i8
    -field=TEVERSION,i8
    +field=TEVERSION,c10
        field=SYSTEMID,c1
        field=TESTSYSTEM,c1
```

index=IDX\_STATS\_ID\_U,UNIQUE,replID  
index=IDX\_STATS\_REV\_U,UNIQUE,replRev

[table:CustReplScheme:TRADETIME]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=TIME,t  
field=MARKETID,c4  
field=INSTRID,c4  
field=BOARDID,c4  
field=SECCODE,c12  
**-field=TYPE,c1**  
**+field=TYPE,c2**  
field=STATUS,c1

index=IDX\_TRADETIME\_ID\_U,UNIQUE,replID  
index=IDX\_TRADETIME\_REV\_U,UNIQUE,replRev

[table:CustReplScheme:TRDTIMETYPES]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
**-field=TYPE,c1**  
**+field=TYPE,c2**  
field=DESCRIPTION,c50

index=IDX\_TRDTIMETYPES\_ID\_U,UNIQUE,replID  
index=IDX\_TRDTIMETYPES\_REV\_U,UNIQUE,replRev

---

### **MCXCC\_MDTTRADE\_REPL**

[table:CustReplScheme:ALL\_TRADES]

field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=TRADENO,i8  
field=TRADETIME,t  
field=SECBOARD,c4  
field=SECCODE,c12  
field=PRICE,d16.6  
field=QUANTITY,i8  
field=VALUE,d16.2  
field=PERIOD,c1  
field=SETTLECODE,c12  
field=BUYSELL,c1  
field=MICROSECONDS,i4  
field=SETTLEDATE,t  
**+field=FIXINGDATE,t**

index=IDX\_ALL\_TRADES\_ID\_U,UNIQUE,replID  
index=IDX\_ALL\_TRADES\_REV\_U,UNIQUE,replRev

---

## **MCXSPOT\_MDCOMMON\_REPL**

[table:CustReplScheme:COMMON]  
field=replID,i8  
field=replRev,i8  
field=replAct,i8  
field=SECBOARD,c4  
field=SECCODE,c12  
field=BID,d16.6  
field=BIDDEPTH,i8  
field=BIDDEPTHHT,i8  
field=NUMBIDS,i4  
field=OFFER,d16.6  
field=OFFERDEPTH,i8  
field=OFFERDEPTHHT,i8  
field=NUMOFFERS,i4  
field=OPEN,d16.6  
field=HIGH,d16.6  
field=LOW,d16.6  
field=LAST,d16.6  
field=CHANGE,d16.6  
field=QTY,i8  
field=TIME,t  
field=VOLTODAY,i8  
field=VALTODAY,i8  
field=VALUE,d16.2  
field=WAPRICE,d16.6  
field=HIGHBID,d16.6  
field=LOWOFFER,d16.6  
field=NUMTRADES,i4  
field=YIELDATWAPRICE,d9.2  
field=PRICEMINUSPREVWAPRICE,d16.6  
field=CLOSEPRICE,d16.6  
field=CLOSEYIELD,d9.2  
field=LASTBID,d16.6  
field=LASTOFFER,d16.6  
field=LASTSETTLECODE,c12  
field=MARKETPRICE,d16.6  
field=MARKETPRICETODAY,d16.6  
field=DURATION,d7.2  
field=SETTLECODE,c12  
field=LOPENPRICE,d16.6  
field=LCURRENTPRICE,d16.6  
field=LCLOSEPRICE,d16.6  
field=MARKETPRICE2,d16.6  
field=ADMITTEDQUOTE,d16.6  
field=OPENPERIODPRICE,d16.6  
field=CLOSING\_AUCTION\_PRICE,d16.6  
field=CLOSING\_AUCTION\_VOLUME,i8  
field=DPVALINDICATORBUY,c1  
field=DPVALINDICATORSELL,c1  
**-field=SETTLEDATE,t**

index=IDX\_COMMON\_ID\_U,UNIQUE,replID  
index=IDX\_COMMON\_REV\_U,UNIQUE,replRev

---

## MCXSPOT\_INFO\_REPL

```
[table:CustReplScheme:INDEXES]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=INDEXBOARD,c4
    field=INDEXCODE,c12
        field=NAME,c30
        field=SHORTNAME,c10
    field=CURRENTVALUE,d16.6
        field=LASTVALUE,d16.6
            field=DECIMALS,i1
            field=LATNAME,c30
                field=TIME,t
    field=OPENVALUE,d16.6
        field=VALTODAY,i8
            field=MIN,d16.6
            field=MAX,d16.6
+field=INDEXCROSSRATE,d9.4
```

index=IDX\_INDEXES\_ID\_U,UNIQUE,replID  
index=IDX\_INDEXES\_REV\_U,UNIQUE,replRev

```
[table:CustReplScheme:SECURITIES]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SECBOARD,c4
    field=SECCODE,c12
    field=SECNAME,c30
    field=REMARKS,c8
    field=SHORTNAME,c10
        field=STATUS,c1
    field=TRADINGSTATUS,c1
    field=MARKETCODE,c4
        field=INSTRID,c4
        field=LOTSIZE,i4
        field=MINSTEP,d16.6
-field=FACEVALUE,d16.6
+field=FACEVALUE,f
    field=FACEUNIT,c4
    field=PREVDATE,t
    field=PREVPRICE,d16.6
        field=DECIMALS,i1
        field=YIELD,d9.2
    field=ACCRUEDINT,d16.6
    field=PRIMARYDIST,c1
        field=MATDATE,t
    field=COUPONVALUE,d13.2
    field=COUPONPERIOD,i4
        field=NEXTCOUPON,t
        field=ISSUESIZE,i8
    field=PREVWAPRICE,d16.6
field=YIELDATPREVWAPRICE,d9.2
    field=REPO2PRICE,d16.6
        field=CURRENCYID,c4
    field=BUYBACKPRICE,d16.6
```

```
    field=BUYBACKDATE,t
        field=AGENTID,c12
        field=QUOTEBASIS,c1
            field=ISIN,c12
            field=LATNAME,c30
            field=REGNUMBER,c20
    field=PREVLEGALCLOSEPRICE,d16.6
    field=PREVADMITTEDQUOTE,d16.6
        field=SECTYPE,c1
    field=ACTIVATIONDATE,t
        field=PREVLOTSIZE,i4
    field=LOTSIZECHANGEDATE,t
    field=ORIGINTRADINGSTATUS,c1
        field=ISSUESIZEPLACED,i8
        field=FULLCOVEREDFLAG,c1
            field=LISTLEVEL,i1
            field=COMMENTS,c128
    field=DIVIDENDVALUE,d16.2
        field=DIVIDENDDATE,t
```

```
index=IDX_SECURITIES_ID_U,UNIQUE,replID
index=IDX_SECURITIES_REV_U,UNIQUE,replRev
```

```
[table:CustReplScheme:STATS]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
    field=SESSION,i8
    -field=TEVERSION,i8
    +field=TEVERSION,c10
        field=SYSTEMID,c1
        field=TESTSYSTEM,c1
```

```
index=IDX_STATS_ID_U,UNIQUE,replID
index=IDX_STATS_REV_U,UNIQUE,replRev
```

```
[table:CustReplScheme:TRADETIME]
    field=replID,i8
    field=replRev,i8
    field=replAct,i8
        field=TIME,t
    field=MARKETID,c4
    field=INSTRID,c4
    field=BOARDID,c4
    field=SECCODE,c12
    -field=TYPE,c1
    +field=TYPE,c2
    field=STATUS,c1
```

```
index=IDX_TRADETIME_ID_U,UNIQUE,replID
index=IDX_TRADETIME_REV_U,UNIQUE,replRev
```

[table:CustRepIScheme:TRDTIMETYPES]

field=replID,i8

field=replRev,i8

field=replAct,i8

-field=TYPE,c1

+field=TYPE,c2

field=DESCRIPTION,c50

field=GROUPTYPE,c1

field=LAT\_DESCRIPTION,c50

index=IDX\_TRDTIMETYPES\_ID\_U,UNIQUE,replID

index=IDX\_TRDTIMETYPES\_REV\_U,UNIQUE,replRev

---