Fokus Release Notes - Release 19.0

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# Introduction

## Purpose and Scope

This document describes the functional and technical changes included in version 19.0 of the Fokus system. It provides a detailed functional description of the changes and their impact.

### Major Milestones of the Version

|  |  |  |
| --- | --- | --- |
| Milestone | Date | Comments |
| UAT | 2/04/2012 |  |
| NetCom Production | 13/05/2012 | Netcom production |
| Telia Production | 20/05/2012 | Telia Production |

## Related Documentation

HLD documents – refer to the list in section ‎2.1s, “CR Summary”.

# Functional Change Summary

## CR Summary

The following table lists all the Change Requests (CRs) handled in this version by the main application.

| Main Application | CR ID | Impact on Other Applications | Short Description of Change | DC # (of the IA) | Initiated By | Comments |
| --- | --- | --- | --- | --- | --- | --- |
| AR | 1195 | CSM | Alteration Regarding Dispute | 1424108 | Telia |  |
| CSM | 1383 | Billing | Promotions on Optional SOC | 1523370 | Telia |  |
| AR | 1390 | CSM | Change in Send Collection SMS Logic | 1563764 | Telia |  |
| Billing | 1414 | CSM | Waiving RC Credit Churn Customers | 1571302 | NetCom |  |
| AmDD | 1396 | CSM | Determine bill display on SOC | 1530728 | Telia |  |
| AmDD | 1400 | CSM | Change the sorting logic of the invoice | 1551447 | Telia |  |
| CSM | 1353 |  | Prolonging Fee Improved | 1531876 | Telia |  |
| CSM | 1419 |  | Campaign History | 1577914 | Telia |  |
| Billing | 1394 |  | Username in DLG billing output file | 1542345 | Telia |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Defect Summary

### NetCom

The following defects are planned to be fixed in this version:

| Project | Defect ID | Severity | Detected on Site | Detected in | Summary | Est. Delivery Date |
| --- | --- | --- | --- | --- | --- | --- |
| Price Plan | 7225 | 4-Low | Netcom-site | Ver 18.0 | Not able to remove SMS Threshold from an existing priceplan. | 02.04.2012 |
| Reference Tables | 7247 | 4-Low | Netcom-site | Ver 18.0 | Validation in IMEI\_RANGES | 02.04.2012 |
| Csm | 7284 | 4-Low | Netcom-site | Ver 18.0 | Campaigns including discount are added without discount in CSM | 02.04.2012 |
| Csm | 6135 | 3-Medium | Netcom-site | Ver 16.0 | Leasing soc deleted when a change rating and move to another BAN is performed | 30.04.2012 |
| Billing | 7259 | 4-Low | Netcom-site | Ver 18.0 | missing feature information in unbilled usage | 30.04.2012 |
| Price Plan | 7277 | 4-Low | Netcom-site | Ver 18.0 | validation on feature\_category | 30.04.2012 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

### Netcom Total Defects

| **Severity** | **Number of Defects** |
| --- | --- |
| Critical | 0 |
| High | 0 |
| Medium | 1 |
| Low | 5 |
| **Total** | **6** |

### Telia

The following defects are planned to be fixed in this version:

| Project | Defect ID | Severity | Detected on Site | Detected in | Summary | Est. Delivery Date |
| --- | --- | --- | --- | --- | --- | --- |
| Csm | 5287 | 3-Medium | Telia\_Site | Ver 15.0 | Adjustment on BAN with VAT Exemption, is presented as + tax in Unbilled and Pending amount. | 02.04.2012 |
| Price Plan | 5965 | 3-Medium | Telia\_Site | Ver 15.2 | duplicate of Priceplan or campaign does not give option to change Network indicator - it stay grey. | 02.04.2012 |
| NP | 6177 | 4-Low | Telia\_Site | Ver 16.0 | Internal port in back is not handled by Internal porting | 02.04.2012 |
| NP | 6214 | 2-High | Telia\_Site | Ver 17.0 | ICC validation not considering Working days | 02.04.2012 |
| NP | 6272 | 3-Medium | Telia\_Site | Ver 17.0 | Furtur request failed on 26855003, for CCN from 53385163 to 26855003. | 02.04.2012 |
| NP | 6280 | 3-Medium | Telia\_Site | Ver 17.0 | Wrong NGP on Network porting | 02.04.2012 |
| Csm | 6637 | 3-Medium | Telia\_Site | Ver 17.0 | Future pp-change allows old pp optional socs on new pp eventhough they are not optional for new pp | 02.04.2012 |
| Csm | 6664 | 3-Medium | Telia\_Site | Ver 17.0 | CIT3877 - Adding or replacing soc backdated causes duplicate or overlapping features. | 02.04.2012 |
| Csm | 6785 | 2-High | Client\_Telia | Ver 18.0 | Category code in dropdown for new charge screen | 02.04.2012 |
| NP | 7302 | 2-High | Telia\_Site | Ver 18.0 | Confirms are not given on the request date on Network portings | 02.04.2012 |
| Security | 5769 | 3-Medium | Telia\_Site | Ver 15.0 | Adjustment Window not validating amount to security, when amount is pasted into amount field. | 30.04.2012 |
| Csm | 5886 | 3-Medium | Telia\_Site | Ver 15.0 | Future loan/leasing on MSISDN 25111725 should be deleted | 30.04.2012 |
| NP | 6193 | 2-High | Telia\_Site | Ver 16.0 | Starting NP port-in on same date as number has been ported out failes. | 30.04.2012 |
| Csm | 6226 | 3-Medium | Telia\_Site | Ver 17.0 | Multi Cancellation not working | 30.04.2012 |
| Csm | 6227 | 3-Medium | Telia\_Site | Ver 17.0 | Error when opening not owned subscriber | 30.04.2012 |
| Billing | 6423 | 3-Medium | Telia\_Site | Ver 17.0 | CIT3921 - CSM billed charges wrong in case of refund for backdated soc change. | 30.04.2012 |
| Security | 7052 | 2-High | Telia\_Site | Ver 18.0 | Allowed charges in security, is still not visable in CSM new charge window. | 30.04.2012 |
| Csm | 7209 | 3-Medium | Telia\_Site | Ver 18.0 | (CR1330) Error List fails to include subscriber SOC's | 30.04.2012 |
| Csm | 7287 | 3-Medium | Telia\_Site | Ver 18.0 | Charge amount for memo type 1020 is taken from market lvl and not the priceplan. | 30.04.2012 |
| Price Plan | 7293 | 2-High | Telia\_Site | Ver 18.0 | TRS - Update future version failes | 30.04.2012 |
| AR | 5101 | 3-Medium | Telia\_Site | Ver 14.0 | Error when making Refund reversal on ECA 999 | 30.04.2012 |
| AR | 6019 | 3-Medium | Telia\_Site | Ver 15.2 | Waiver indicater not removed on Invoice level, when automaticly removed by waiver expiration date. | 30.04.2012 |
| Billing | 6176 | 3-Medium | Telia\_Site | Ver 16.0 | CIT3678 - PROD - Replace RC feature doesn't charge correctly when changing same feature twice on one period | 30.04.2012 |
| MPS | 6208 | 2-High | Telia\_Site | Ver 17.0 | Some files are failing when tries to insert an entry in USAGE\_ERROR\_DETAIL table with ERROR\_DETAIL\_SEQ\_NO > 999. | 02.04.2012 |
| Billing | 6246 | 3-Medium | Telia\_Site | Ver 17.0 | CIT3902 - Rounding difference on discount vat amount calculated by billing | 30.04.2012 |
| Billing | 6259 | 3-Medium | Telia\_Site | Ver 17.0 | CIT3909 - Customers created on the 1st does not get bill first month as expected (CR1220) | 30.04.2012 |
| Billing | 7263 | 3-Medium | Telia\_Site | Ver 18.0 | CIT3895 - wrong MUP after move and cancellation | 30.04.2012 |

### Telia Total Defects

| **Severity** | **Number of Defects** |
| --- | --- |
| Critical | 0 |
| High | 7 |
| Medium | 19 |
| Low | 1 |
| **Total** | **27** |

### Netcom/Telia Rejected defects

The following defects are rejected:

| Project | Defect ID | Severity | Detected on Site | Detected in | Summary | Customer |
| --- | --- | --- | --- | --- | --- | --- |
| Csm | 6143 | 3-Medium | Telia\_Site | Ver 16.0 | Company name disappear when creating a new SOHO BAN | Telia |
| Numbers Control | 6164 | 4-Low | Telia\_Site | Ver 16.0 | Furtur request on Internal porting deleted by move subscriber | Telia |
| Numbers Control | 6248 | 3-Medium | Telia\_Site | Ver 17.0 | Number Management module is very slow after the upgrade to ver. 17.0 | Telia |
| Csm | 6404 | 3-Medium | Telia\_Site | Ver 17.0 | CIT3944 - future transaction causes feature to expire with wrong date | Telia |
| Csm | 6504 | 4-Low | Netcom-site | Ver 17.0 | Not possible to delete future changes of price plan or future adding of socs | Netcom |
| Csm | 7244 | 3-Medium | Telia\_Site | Ver 18.0 | Validation of soc backdating not validation effective date | Telia |
| Csm | 7264 | 3-Medium | Telia\_Site | Ver 18.0 | CIT3967 - unintended backdated cancellation restriction | Telia |
| Csm | 7276 | 4-Low | Netcom-site | Ver 18.0 | F&F entries not deleted | Netcom |
| Csm | 7279 | 4-Low | Telia\_Site | Ver 18.0 | Mass SOC not allowing delete SOC, when SOC has a switch feature | Telia |

### Total Rejected Defects

| **Severity** | **Number of Defects** |
| --- | --- |
| Critical | 0 |
| High | 0 |
| Medium | 5 |
| Low | 4 |
| **Total** | **9** |

# Changes Made On Site

## Changes Summary

This section describes all of the changes that were developed on site as part of the Time and Material (T&M) CRs, and not as part of the release’s scope. These changes were merged into the source area of this version; thus, they were incorporated in this release.

### NetCom

The following CR was implemented in this version:

| Main Application | CR ID | Impact on other Applications | Short Description of Change | Comments | In production |
| --- | --- | --- | --- | --- | --- |
| Billing | CHESS#1 |  | Chess job FTP of credit note |  | Y |
| Billing | CHESS#2 |  | Chess carry over issue |  | N |
| Billing | CHESS#3 |  | Chess : to handle credit note without designated invoice number populate as null in table |  | N |
| Billing | CHESS#4 |  | populate the bill\_seq\_no a single bill\_seq\_no ( maximum value ) in the presentment tables for carried over bills. Amdocs will try to do it before the next billing. Amdocs will also patch the previous entries in presentment tables bills to populate the correct bill\_seq\_no. leave the immediate credits from affecting the totals in the bill. payment made was not taken into account when a carry over decision was taken. |  | N |
| Billing | CH#01 |  | Remove debug prints from csv job |  | N |
| Billing | CHESS#DEF |  | Ban error entries for QA mode are not deleted after the ban passes the QA Added handling for Ban level credit note sum\_total for record 20 was not correct |  | N |
| ADD | Chess#requirement |  | business\_entiry has to be added as a key when fetching data from DD\_COMPANY\_DATA due to Chess new entries. |  | Y |
| Billing | TM#1505 |  | BILL\_DUA\_DATE for Bill on demand process should be calculated with parameter |  | N |
| MPS | TM#1526 | Online | Netcom wants functionality for toll consumption from IM in case of call2roamer |  | N |
| MAF | TM#1541 | N/A | Changes for np\_prefix correction in MCR |  | Y |
| Billing | TM#1542 | N/A | T&M 1542 adding a period field in record 40 |  | Y |
| MAF | TM#1551 |  | Changes for adding charging\_type in NIPS for prepaid and mapping leading\_number in UDWH for HUAWEI |  | Y |
| MAF | TM#1560 | N/A | Reduce the decimal places to 5 so that larger charge values can be supported in the TAP file events |  | N |
| Billing | TM#1566 |  | Chess CR 01 - Truncate bnumber if more than 14 digits |  | Y |
| MAF | TM#1567 |  | Changes for VOP calls flow in HUAWEI |  | N |
| MAF | TM#1571 | N/A | Changes for moving NRTRDE files creation to Main Driver |  | Y |
| MAF | TM#1580A | N/A | Call Type level population for TAP311 and the partial HUAWEI records correction for answer time |  | N |
| MAF | CR#1404 | N/A | CR 1404 - Assembly Uplink Downlink Volume Domain change |  | Y |
| MAF | CR#1413 | N/A | New SMSC format implementation |  | Y |

### Telia

The following CR was implemented in this version:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Main Application | CR ID | Impact on other Applications | Short Description of Change | Comments | In production |
| ADD | TM#1510 | N/A | Changing the rounding mechanism in ADD so that amounts with not more than 2 decimals are not rounded unnecessary |  | Y |
| ADD | TM#1511 | N/A | Changing the rules for printing Pris column in Telia invoice Level 3 |  | Y |
| ADD | TM#1518 | N/A | In Telia Paper Level 3 and PBS subscriber specification RC charges belonging to soc\_group "TOP" (hardcoded value) will be presented line by line, as they appear in the CHARGE table, instead of being grouped |  | Y |
| PP | TM#1534 | Online | The field PP\_GROUP\_CODE |  | N |
| AR | TM#1547 | N/A | Change in the SURF interface file to add - as a valid cahracter in Order Num field |  | Y |
| ADD | TM#1575 |  | TS Retail Roaming Proration RC Charges |  | N |
| AR | TM#1585 | Online | Increase the limit of payment from 300 to 2000. |  | N |
| ADD | TM#1586 | N/A | Oprettelse ' should not appear in the description. |  | N |
| MAF | 1393 |  | Drop SMSMO events to 5334 (TM#1598) |  | N |
| CSM | TM#25073 |  | Setting waiver |  | N |
| MAF | 1367 | N/A | Telia would like to change its current CDR processing for voice mail calls |  | Y |
|  |  |  |  |  |  |

## Defects Summary

### NetCom

This section describes all of the defects that were fixed on site, not as part of the release’s scope defects listed in section ‎2.2.3, “Netcom”. These changes were merged into the source area of this version; thus, they were incorporated in this release.

| Project | Defect ID | Severity | Detected on Site | Detected in | Summary | Test Instructions | In production |
| --- | --- | --- | --- | --- | --- | --- | --- |
| MPS | 6588 | 2-High | Netcom-Site | Ver18.0 | Minicomparison-R3-the tier is not getting consumed correctly | Check with TIER + FM | Y |
| CSM | 6882 | 2-High | Netcom-Site | Ver18.0 | NetCom\_ST\_unexpected answer to blGetFMSum | Test that the service returns 0 rows in the following cases: 1. Start date is greater than end date 2. End date is very old and no cycle control entry is found for it  In case when the start date is old and no cycle control entry exists for it and the start date is prior to the date in past till which the FM data is available then the start date is set as this past date and the appropriate data is queried and returned. | Y |
| MPS | 6793 | 2-High | Netcom-Site | Ver18.0 | Minicomparison-R5-Carry over should look at total amout including previous overpaiments | Please run billing and check that Account balance amount is checked against Carry over amount. | Y |
| Billing | 6629 | 2-High | Netcom-Site | Ver18.0 | Minicomparison-R4-Total amounts and Total ex.VAT is calculated and displayed wrong for TAX exempt customer | run CSV job and check that the tot\_ex\_vat field is populated. | Y |
| MPS | 6794 | 3-Medium | Netcom Site | Ver18.0 | Minicomparison-R5-Summary header for usage within Norway is displayed even if there is no usage | Check when sum total is zero and zero chg disp ind on INV\_SUM\_FMT is N | Y |
| MPS | 6796 | 2-High | Netcom Site | Ver18.0 | Minicomparison-R5-Summary line bill description for content services is incorrect | Check when the cp name and cp number both are not presenr in the external cp table for short number. | Y |
| MPS | 6814 | 2-High | Netcom Site | Ver18.0 | UAT\_R3\_Netcom Chess UAT - SMS grouping in CSV | Run rerating for SMS calls with same channel seizure date | Y |
| MPS | 6822 | 1-Critical | Netcom Site | Ver18.0 | UAT\_FV\_R4\_PET2\_BANs are rejecting after BLAUUSGRP job | Run rerating for a ban on which PP change took place | Y |
| Billing | 6913 | 3-Medium | Netcom Site | Ver18.0 | UAT\_R3\_ 'sys\_update\_date' filed in 'MANUAL\_NOTE\_REQUEST' table is null in some cases | Testing steps: 1. Creating immediate credit. 2. Running credit note jobs. 3. Verifying date updated. | Y |
| MPS | 6822 | 1-Critical | Netcom Site | Ver18.0 | UAT\_FV\_R4\_PET2\_BANs are rejecting after BLAUUSGRP job | Run rerating for a ban on which PP change took place | Y |
| Billing | 6629 | 2-High | Netcom Site | Ver18.0 | Minicomparison-R4-Total amounts and Total ex.VAT is calculated and displayed wrong for TAX exempt customers | run CSV job and check that the tot\_ex\_vat field is populated. | Y |
| Billing | 6929 | 1-Critical | Netcom Site | Ver18.0 | E2E\_Can't open invoices in Sparkle - Invalid data in presentment table in E2E (CNVPET2) environment | run the CSV upload the data in presentment and then check from sparkel if the data is fetched correctly. | Y |
| CSM | 6971 | 2-High | Netcom Site | Ver17.0 | Problems with activating as new subscriber on ban | Activate a subscriber with following conditions: 1) It must be a subscriber which was used on the ban and is now canceled  2) Reserve this subscriber on the same ban.  3) activate the reserved subscriber | Y |
| MPS | 6993 | 3-Medium | Netcom Site | Ver18.0 | Minicomparison-R6-Call made in China looks wrong in Fokus | Run csv for data (markup calls) | Y |
| Billing | 7028 | 2-High | Netcom Site | Ver18.0 | UAT\_R5\_Netcom Chess UAT - Final Bill | Add ban level credits for refund and non-refund. Run BLXTCSVSF job. Job should run successfully and ban is passed. Check CSV file for correct description in record type 40 for ban level credits. | Y |
| Billing | 6962 | 1-Critical | Netcom Site | Ver18.0 | Minicomparison - R6-CSV files are missing detailed invoice | check if the record 50 and 55 are created in CSV file. | Y |
| AR | 7024 | 2-High | Netcom Site | Ver18.0 | UAT\_E2E - Customers assign to agency with inv due date younger than 28 |  | Y |
| Billing | 6952 | 2-High | Netcom Site | Ver18.0 | Minicomparison-R6-Fokus must not generate loan/lease setelment fees fo Loan/lease with end date before migration | run the scrip on conversion date and see that the penalty for susbcribers who have settled the loan before conversion are not charged in fokus. | Y |
| MPS | 6755 | 2-High | Netcom Site | Ver18.0 | UAT\_R3\_Netcom Chess UAT - SMS Sending after finishing FM SMS bucket issue. | Check for both the threshold crossing and full consumption | Y |
| MPS | 7147 | 3-Medium | Client Netcom | Ver18.0 | Not populating origin\_id field in sms\_send table | Testing guidelines:  1. Select a subscriber having IM/FM 2. Verify in inclus\_by\_period for IM/FM soc , feature the value in im\_sms\_threshold field (entry for period\_value\_code 'T' should be checked) 3. Run a call such that the limit in im\_sms\_threshold is exceeded e.g if im\_sms\_threshold has value 20 then run a call with duration as 25 4. Check entry created in sms\_send and SMS\_orig field (go to sms\_text table with sms\_code in sms\_send and check origin\_id ) Value in origin\_id should be same as SMS\_orig field in sms\_send | Y |
| CSM | 7146 | 4-Low | Netcom Site | Ver18.0 | Fokus error opening ban 823939806 | Open a ban with has more than one subscriber with listed-ind = 'N' | Y |
| MAF | 7199 | 1-Critical | Client Netcom | Ver18.0 | No gprs TAP records in wh\_tap after Chess migration | Prepare a TAP311 incollect file having few of GPRS records.  Process the TAP311 file created above with MAF Main Driver.  The file should be processed successfully and WH\_TAP events. | Y |
| CSM | 7202 | 2-High | Netcom Site | Ver18.0 | population of subscriber\_prepay\_extract | Run the prepaid extract and check if chess prepaids are in the extract identified by the imsi prefixes defined in this defect | Y |
| CSM | 7125 | 2-High | Netcom Site | Ver18.0 | UAT\_DR\_Ban rejected in billing due to unexpected activity | Perform a SIM Change activity for a subscriber in Chess BAN and waive the activity charge - Check that no charge is created with feature code SIMCRD  Perform a SIM Change activity for a subscriber in Netcom BAN and waive the activity charge - Check that a charge & credit is created with feature code SIMCRD  Perform a SIM Change activity for a subscriber in Telia BAN and waive the activity charge - Check that no charge is created with feature code SIMCRD | Y |
| Billing | 6641 | 3-Medium | Netcom Site | Ver18.0 | Minicomparison-R4-unexpected leasing SOC on fokus invoice |  | Y |
| FBF | 6279 | 3-Medium | Netcom Site | Ver17.0 | Customer service number is not printed in the NC files | Run bill production for Netcom customer with NCNO soc and check that the NC bill copy displays the customer service numebr on first page header. | Y |
| CSM | 7215 | 3-Medium | Netcom Site | Ver18.0 | Server Crash csmUHierBill | Open a Hierachy with more than 1000 Ban's (552786204) | Y |
| CSM | 7218 | 3-Medium | Netcom Site | Ver18.0 | csmUCtn Server crash | obtain a list of available CTNs for user selection. (Service csGetCtnNm) | Y |
| MPS | 7246 | 3-Medium | Netcom Site | Ver18.0 | Getting oracle error 2112 when calling FM summmary screen | Check fm\_summary\_screen for FM SMS socs | Y |
| MPS | 7249 | 3-Medium | Netcom Site | Ver18.0 | expiration\_date in roaming translation | Check that roaming\_operator table has the setting like in production, where we have mutilple entries for the same operator\_symbol like 'INDT0" or "INDTM".  Process few calls for roaming subscribers for operators like 'INDT0' or "INDTM" through Main Driver.  The Outcollect Usage will be generated.  Process the usage with MPS and Outcollect process.  The TAP311 outcollect files should be generated with correct sequence. | Y |
| CSM | 7234 | 3-Medium | Netcom Site | Ver18.0 | Online crash after opening tree manipulation for a Hierarchy with more than 1000 Ban's | Open tree manipulation for a Hierarchy with more than 1000 Ban's (552786204) | Y |
| AR | 7256 | 3-Medium | Netcom Site | Ver18.0 | Chess Webshop Payments failing for PYB locked | 1) Create Chess webshop payments. The voucher number in PAyment\_Activity should start with PYS. 2) Create Chess and Netcom manual Batch payments. The voucher number should start with PYB. 3) Run a big batch of manual payments from CSM online more than 200 payments and simultaneously create a Chess Webshop payment. There should be no failure for PYB locking | Y |
| MPS | 7260 | 3-Medium | Netcom Site | Ver18.0 | Rating files stuck in IU | Run rating for subscriber having friends\_and\_family as well as FM | N |
| MAF | 7262 | 3-Medium | Netcom Site | Ver18.0 | MAF aborts huawei files | Following Tests should be performed:  Test#1: Recycle few errored HUAWEI events from MAF error\_ repository, and process them through MAF Main Driver. The events should processed successfully by Main Driver.  Test#2 Immidiately after processing RECYCLE files in Test#1, process few HUAWEI files through MAF Main Driver. The HUAWEI files should be processed successfully.  Test#3 Process some HUAWEI files from Main Driver. Process the HUAWEI Error files generated through error\_loader. The HUAWEI\_ERROR files should be processed successfully. Events should be loaded to Error\_Repository.  Test#4 Process some HUAWEI files with Main Driver Partial files should be handled by Merge Loader. | N |
| MPS | 7272 | 2-High | Netcom Site | Ver18.0 | Production Defect - Add condition in upgn\_audit trail to check cancel\_record\_ind | Run audit trail for cancelled records in usgae table. These should not be selected | N |
| MPS | 7273 | 2-High | Netcom Site | Ver18.0 | Production Defect - Ban rejected bu BLAUUSGRP (check on boundry condition was missing) | 1. Run audit trail for bans having exact 1000 usages 2. The ban should not be rejected by audit trail | N |
| AR | 7270 | 2-High | Netcom Site | Ver17.0 | Automatic reopen of aBAN after payment to collactionagency | 1) Select a BAN which is assigned to agency and suspended. 2) Make a payment for the BAN such that the BAN becomes non-delinquent. But the BAN shuold have past due amount which is not older than 7 days. 3) Process a case close file for the BAN. 4) The BAN should be restored from suspension. | Y |
| MAF | 4756 | 2-High | Netcom Site | Ver12.5 | Rating not populating RECORD\_TYPE correctly | To run Rating in not debug mode and to check population of record\_type | Y |
| MAF | 7289 | 3-Medium | Netcom Site | Ver18.0 | NRTRDE-failure | Process some HUAWEI and CDR13 files with Main Driver.  The files should be processed successfully, and NRTRDE files should be generated successfully. | N |
| Billing | 7288 | 4-Low | Netcom Site | Ver18.0 | Missing information - Inclusive Minutes | 1. Select a subscriber with IM feature that expired before cycle\_close\_date.  2. try to check the IM information for the feature in IM window from online.   3. The IM information should appear. | Y |
| MPS | 7280 | 3-Medium | Netcom Site | Ver18.0 | Rating files aborted with error - DL\_REC\_UNLOCKED\_S | Run some events which do not have any eligible FM along with some events that consume FM.The error should not occur in rating. | N |
| MAF | 7283 | 3-Medium | Netcom Site | Ver18.0 | Prefix VOP in subscriber number |  | N |
| NP | 7176 | 2-High | Netcom Site | Ver18.0 | Manual FIVE and ANBES is not possible to send for port in from Chess to NetCom | 1) In NP Transactions Control window send ANBES or FIVE for numbers porting from Chess to NetCom. The ANBES / FIVE must be send with success. 2) Activate a reserved subscriber on Chess bans without a port-in confimation. Activation must be done with success. | N |

### Netcom Total Defects

| **Severity** | **Number of Defects** |
| --- | --- |
| Critical | 5 |
| High | 19 |
| Medium | 17 |
| Low | 2 |
| **Total** | **43** |

### Telia

This section describes all of the defects that were fixed on site, not as part of the release’s scope defects listed in section ‎2.2.3, “Telia”. These changes were merged into the source area of this version; thus, they were incorporated in this release.

| Project | Defect ID | Severity | Detected on Site | Detected in | Summary | Test Instructions | In production |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Csm | 6906 | 2-High | Telia-Site | V18 | Resume cancelled subscriber fails | Steps Expected Results --------------------------------------------------------------------------------------------------------------- 1)Open CSM OL CSM OL opened. 2)Open a ban. Ban Folder window open 3)Go to Actions and ban level services FNF SOC added to ban level Add FNF SOC on ban level.  4) Click on New subscriber icon New subscriber window opens 5) Fill the details like subscriber no, SIM PP etc Done. 6) Add a SOC with RC FNF feature associated with it SOC added 7) Click Activate Subscriber subscriber activated 8) Change the logical date to future date and open the CSM again done 9) OPen the ban again and cancel it with a Ban cancelled reason that is marked for resume\_as\_previous  10)Change the logical date and open the CSM again Done 11) OPen the ban and go to actions->resume\_as\_previous resume as previous window opened. 12) Select the subscriber and click on OK. Subscriber resumed successfully 13) Check DB In resume\_as\_previous\_error table for above subscriber the RC FNF SOC is skipped and rest all SOCs are resumed as previous. | Y |
| CSM | 6898 | 2-High | Telia Site | Ver 18.0 | CR1364 - Remaining Months is shown as 0 in the cancellation reason screen in CSM online | Switch the CR1364 ON. Perform the cancel subscriber activity for a subscriber that has some active commitment.  In the cancellation reason screen check that the remaining months field is not zero. | Y |
| CSM | 6905 | 3-Medium | Telia Site | Ver 18.0 | Memo text is wrong | Perform the multi resume from cancel activity. In the memo that is created check that it shows the reason description for resume activity. | Y |
| MPS | 6918 | 2-High | Telia Site | Ver 18.0 | Code issues in MAF/MPS | Run rating in a env where static tables are used. The calls should consume from IM if present. | Y |
| CSM | 6914 | 2-High | Telia Site | Ver 18.0 | Bug in Future request job | Run the future request job for the port ins that failed and check that they succeed. | Y |
| NP | 6916 | 2-High | Telia Site | Ver 18.0 | Wrong Calculation of confirmdate | Execute the port out flow for a subscriber, such that the auto verify is on for the operator and the account type. The subscriber should have its commitment end date in the past and the account type should have the NP\_CALC\_METHOD set to A. Then check that the NP months are added to the run date and not to the commitment end date which is in the past. | Y |
| CSM | 6255 | 3-Medium | Telia Site | Ver 17.0 | Error in Fokus when releasing port-in back numbers to cancel NP flow | Release Port in Back | Y |
| MPS | 7143 | 2-High | Telia Site | Ver 18.0 | e kuch | Run rerating on toll rated rated records and verify that for zero rated air calls the at num of fm is not consumed | Y |
| CSM | 7122 | 3-Medium | Client Telia | Ver18.0 | Penalty preview window |  | Y |
| CSM | 6939 | 2-High | Amdocs Haifa | Ver 18.0 | NP confirmed on requested date, even on same date as sysdate. | Execute a port out flow as in the description and check that the NP confirmation date is not being set as the sysdate but 1 day ahead. | Y |
| Billing | 7222 | 3-Medium | Telia Site | Ver 18.0 | RC "not prorate" option doesn't work | 1. Set the proration\_ind of a RC feature to "No proration".   2. Check the billing results ( RC charge value ) for RC in advance.   3. Check the billing results ( RC charge value ) for RC in arrears. | Y |
| Billing | 7290 | 3-Medium | Telia Site | Ver 18.0 | CIT4032 - level difference due to wrong handling of UTC | 1. Select a ban with both tree discount and UTC.   2. Create charges that will be applicable for discounts and UTC.   3. Run billing and check bill image.  4. There should be no diff in levels. | Y |
| Billing | 6147 | 2-High | Telia Site | Ver 16.0 | CIT3538 - PP\_code does not match between level 2 and 3. | 1. Prepare the following scenarious and run billing. Check pp\_coed in bill\_ctn table to see if it is populated correctly.    1. Prepare a ctn with pp and promotion and promotion is active for the full period.   2. Prepare a ctn with pp and promotion and promotion is expired in the middle of the period.   3. Prepare a ctn with pp and promotion and promotion is active from the middle of the period.   4. Check how pp\_code is populated for a cancelled subscriber with promotion.   5. Check how pp\_code is populated for a cancelled subscriber that never had promotion.   The rule is for customers with advanced RC the PP/promotion effective on the start date of the next cycle period and for arrears customers PP/promotion effective on the cycle\_close\_date | Y |
| Billing | 7282 | 4-Low | Telia Site | Ver 18.0 | Billing Technical fixes in version 18. | 1. Run BLPREP for any cycle month year and verify the results. | N |
| MPS | 7299 | 2-High | Telia Site | Ver 18.0 | FM is used for call attempt and makes guiding fail |  | N |
| Security | 7051 | 3-Medium | Telia Site | Ver 18.0 | Charges and adjustments are wrongly inheriting settings in security screens for Charges and adjusments | 1. Create any profile inheriting from other existing profile already having few charges and adjustments allowed on it. 2. Create any User with this profile. 3. Allow some charges and adjustments from Security Observer Application. 4. Check in the Adjustment and Charge Windows that only those charges/adjustments that are allowed for this profile are visible from CSM and not those from parent profile from which it is inherited. | N |
| CSM | 7267 | 2-High | Telia Site | Ver 18.0 | Mandatory Memo in Move subscriber | 1. Open Move Subscriber window. 2. Check that the Memo field is not mandatory and no validations on this field. | N |
| ADD | 6589 | 4-Low | Telia Site | Ver 17.0 | CIT3718 –FBF not able to produce bill when the customers has many gprs records | Performance test | N |

### Telia Total Defects

| **Severity** | **Number of Defects** |
| --- | --- |
| Critical |  |
| High | 10 |
| Medium | 6 |
| Low | 2 |
| **Total** | **18** |

# Application Functional Changes

The following sections present all functional changes in the version, in accordance with the customer’s request.

Note Some requirements impact more than one application.

The following sections with associated information are available for each item:

* Requirement Overview
* Market-Specific Notes – Specifies whether the change affects both NetCom and Telia markets, or only one of them.
* Functional Specifications – Outlines the functionality modifications performed to fulfil the requirement.
* Impact on Other Applications – Specifies the impact on other applications, both inside and outside Fokus (such as Ninja). This section is optional.
* Assumptions and Constraints
* Implementation, BPT CR, and Training Notes – Lists required reference data changes (also known as BPT CRs).
* File and Record Changes – Describes changes to the input/output file structure (this section is optional).
* Database Structural Changes

## CR-1383 - Changes in Optional SOC

### Requirement Overview

* FR1 – the system should be enhanced to allow the user adding optional SOCs to campaigns when these are defined in a price plan application. When the campaign is activated on the subscriber and it includes optional SOCs, these SOCs should be added to the subscriber as well.
* FR2 – The system should allow defining all the types of promotions to optional SOCs. When the optional SOC is added to the subscriber, the user should be able to add its promotions just as is currently done for regular SOCs.

### Market-Specific Notes

The item for customization is part of the Fokus core module, and is therefore, available to both Telia and Netcom.

### Existing Functionality

Currently, it is not possible to add optional SOCs to campaigns, and it is not possible to define promotions on optional SOCs.

### Proposed Solution Functional Specifications

#### FR1 – Attach Optional SOCs to Campaigns

* The campaign definition window in the Price Plan application will be enhanced to support adding optional SOCs to campaigns:
* When the user clicks Add SOC in the Campaign window, the system validates that there is a price plan attached to the campaign before being able to open the list of SOCs.

If there is no price plan attached to the campaign, the system displays a message to the user and the user must then attach a price plan first.

* The query that retrieves those available SOCs to be added to the campaign will be enhanced to retrieve the optional SOCs in addition to the current retrieved SOCs. The query will retrieve only optional SOCs that are defined for the attached price plan.

For this, the price plan code will be sent as a parameter to the SOC list window.

* The user attaches optional SOCs to the campaign just as is currently done for regular SOCs (by drag and drop for example)
* When the user deletes the price plan from the campaign, the system will also delete all the optional SOCs. If the user adds the same price plan again, the optional SOCs will not be added automatically.
* The CSM application will be enhanced as follows:
* When activating a campaign on a subscriber, the system will handle optional SOCs just as is currently done for regular SOCs.
* If the campaign includes optional SOCs, the system will parse these SOCs on the subscriber.
* This will be done in all the activities where a new campaign can be added to the subscriber:
* Change Rating
* Reserve/Activate subscriber
* Resume from cancellation
* Move subscriber from BAN to BAN
* BAN level campaigns

#### FR2 – Promotions for Optional SOCs

* The Price Plan application will be enhanced as follows:
* When the user defines a new reduced promotion, special promotion or BOGO the system will retrieve the Optional SOCs in addition to regular SOCs and display this list in the Base SOC part of the promotion window.
* The user will be able to select regular or optional SOC and define a promotion to this SOC.
* The data will be saved just as is currently done when defining promotion for regular SOCs.
* CSM application will be enhanced as follows:
* When an optional SOC is added to a subscriber, the system will check if this SOC has reduced promotion and will add the promotion automatically.
* The user will also be able to add special promotions if these are available for this SOC.
* All the current validations made when adding promotion for regular SOCs will also be applied for optional SOCs.
* When a price plan is changed, the optional SOCs and their promotions will be removed as well.
* This will also be done for these activities:
* Change rating
* Add/remove SOC
* Reserve/Activate subscriber
* Resume from cancellation
* Move subscriber from BAN to BAN when it includes change of rating or add/remove SOCS at the same activity.
* Changes in BAN level services
* CSM adding a feature to finalize the SOC process will be enhanced to handle promotions for optional SOCs as is currently done for regular SOCs.
* Billing application will be enhanced as follows:

Billing will enhance the bill preparation process to handle the combination of optional SOC and promotion combination.

### Impact on Other Applications

The following applications are impacted by this CR:

* Price Plan
* CSM
* Billing

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

N/A

### Netcom Responsibility

Telia is responsible for attaching the required campaigns and promotions for optional SOCs.

### File and Record Changes

N/A

### Database Structural Changes

N/A

### Test Instructions

#### PP Online

Testers must perform the following procedures:

1. Create a new campaign.
2. Click Add SOCs and ensure you get a message that a PP should be selected first.
3. Select a PP and click Add SOC again.
4. Ensure that the list of SOCs includes optional SOCs as well.
5. Remove the PP and ensure that the optional SOCs are also removed.
6. Add the PP, regular SOCs and optional SOCs and save the campaign.
7. Open the reduced SOC window and ensure that you optional SOCs are in the list of base SOCs.
8. Define a new reduced SOC and ensure that it was created successfully in the database.
9. Repeat the previous step for Special promotions and for BOGO.
10. Create promotions for regular SOCs and ensure that the promotions are created properly.

#### CSM

Testers must perform the following procedures:

1. Open an active subscriber and change rating to a campaign that includes an optional SOC. Ensure that all the SOCs are saved properly in the database.
2. Repeat the above for reserve and activate a new subscriber.
3. Repeat the above for change rating for Resume subscriber, Move of subscriber and for BAN level services.
4. Add an optional SOC that has reduced promotion and ensure that the promotion is added as well.
5. Add an optional SOC that has special promotion and ensure that the promotion is added as well.
6. Repeat step 5 and 6 for new subscriber, resume subscriber and move of subscriber.
7. Repeat by adding multiple SOCs with promotions, for example one regular and one optional.
8. Define a new promotion for an optional SOC and add these to a subscriber, then change add a feature to the optional SOC and run CSM add feature to finalized SOC process. Ensure that the feature is added properly.
9. Perform a test of change rating with all the variations of PP and campaign and ensure that the SOCs are added/delete properly.

#### Billing

Tester must perform the following procedures:

1. Perform the steps mentioned by CSM and run the Billing on all the bans and subscribers created.
2. Perform the activities or cancel, suspend, resume, change CTN, change ownership, with the subscriber having the optional SOC with reduced promotion.
3. Perform the activities or cancel, suspend, resume, change CTN, change ownership, with the subscriber having the optional SOC with special promotion.
4. Ensure that the RC is created correctly for the promotion period and the base period.

## CR1390 - Change in Send Collection SMS Logic

### Requirement Overview

* FR1 – Collection logic should be enhanced to send collection reminder SMS regardless of subscriber status. A flexible solution needs to be developed according to which a Yes/No flag will decide whether to send an SMS, depending on the subscriber status.

### Market-Specific Notes

The item for customization is part of the Fokus core module, and is therefore, available to both Telia and Netcom.

### Existing Functionality

Currently, the collection logic supports sending collection reminder SMS only to active subscribers.

### Proposed Solution Functional Specifications

* A table-driven solution will be designed to configure, in accordance with the SMS code, the subscriber status according to which the SMS will be sent.
* An SMS will always be sent to active subscribers.
* Two new fields will be added to the SMS\_TEXT table to indicate whether the SMS needs to be sent to suspended and cancelled subscribers:
* SUSPEND\_SUB\_IND: ‘Y’ – Send SMS to suspended subscribers

Blank/Null/ ‘N’ – Do not send SMS to suspended subscribers

* CANCEL\_SUB\_IND: ‘Y’ – Send SMS to cancelled subscribers

Blank/Null/‘N’ – Do not send SMS to cancelled subscribers

* Initially, the SUSPEND\_SUB\_IND and CANCEL\_SUB\_IND will be set to ‘N’ for all SMS codes. These can be configured later in accordance with the requirement.
* The generic SMS creation routine will be enhanced to send a collection reminder SMS to all subscribers regardless of the subscriber status, depending on SUSPEND\_SUB\_IND and CANCEL\_SUB\_IND.
* The reference application will be enhanced by adding the two new fields to SMS\_TEXT window so the user will be able to maintain these fields as should in figure 4-3.

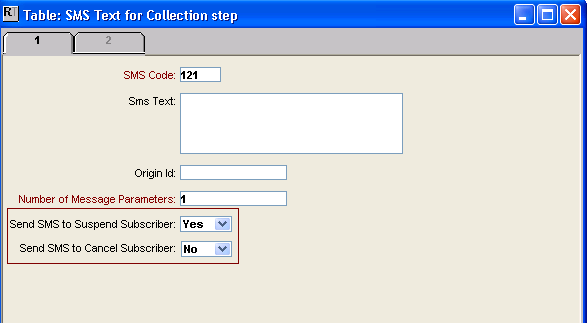


Figure ‑: SMS Text Window

### Impact on Other Applications

The following applications are impacted by this CR:

* AR
* Reference Application

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

A script should run on SMS\_TEXT table to update the CANCEL\_SUB\_IND and SUSPEND\_SUB\_IND to ‘N’ for all the SMS\_CODES

### Netcom Responsibility

* Telia and Netcom will ensure that CANCEL\_SUB\_IND and SUSPEND\_SUB\_IND in SMS\_TEXT are later updated to correct values.

### File and Record Changes

N/A

### Database Structural Changes

#### SMS\_TEXT – Modified

| Name | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- |
| SUSPEND\_SUB\_IND | Char(1) | Flag to denote whether SMS is to be sent to suspended subscribers. | **Y/N** | YESNOIND | New |
| CANCEL\_SUB\_IND | Char(1) | Flag to denote whether SMS is to be sent to cancelled subscribers. | **Y/N** | YESNOIND | New |

### Test Instructions

Testers should perform the following procedures:

#### Scenario 1

SUSPEND\_SUB\_IND – NA

CANCEL\_SUB\_IND – NA

1. A BAN whose next collection step is SMS has one active subscriber.
2. When the collection step is executed, SMS is sent to the active subscriber.

#### Scenario 2

SUSPEND\_SUB\_IND – Y

CANCEL\_SUB\_IND – N

1. A BAN whose next collection step is SMS has one suspended subscriber.
2. When the collection step is executed, SMS is sent to the suspended subscriber.

#### Scenario 3

SUSPEND\_SUB\_IND – N

CANCEL\_SUB\_IND – NA

1. A BAN whose next collection step is SMS has one suspended subscriber.
2. When the collection step is executed, SMS is not sent to the suspended subscriber.

#### Scenario 4

SUSPEND\_SUB\_IND – NA

CANCEL\_SUB\_IND – Y

1. A BAN whose next collection step is SMS has one cancelled subscriber that is not active or suspended on any other BAN.
2. When the collection step is executed, SMS is sent to the cancelled subscriber.

#### Scenario 5

SUSPEND\_SUB\_IND – NA

CANCEL\_SUB\_IND – Y

1. A BAN whose next collection step is SMS has one cancelled subscriber that is active or suspended on any other BAN.
2. When the collection step is executed, SMS is not sent to the cancelled subscriber.

#### Scenario 6

SUSPEND\_SUB\_IND – NA

CANCEL\_SUB\_IND – N

1. A BAN whose next collection step is SMS has one cancelled subscriber that is not active or suspended on any other BAN.
2. When the collection step is executed, SMS is not sent to the cancelled subscriber.

#### Scenario 7

SUSPEND\_SUB\_IND – N

CANCEL\_SUB\_IND – N

1. A BAN whose next collection step is SMS has an active, a suspended, and a cancelled subscriber.
2. When the collection step is executed, SMS is sent only to the active subscriber.

#### Scenario 8

SUSPEND\_SUB\_IND – Y

CANCEL\_SUB\_IND – Y

1. A BAN whose next collection step is SMS has an active, a suspended, and a cancelled subscriber.
2. When the collection step is executed, SMS is sent only to the active subscriber and to the suspended subscriber.

#### Scenario 9

SUSPEND\_SUB\_IND – Y

CANCEL\_SUB\_IND – Y

1. A BAN whose next collection step is SMS has a suspended and a cancelled subscriber.
2. When the collection step is executed, SMS is sent to the suspended subscriber only.

## CR-1414 Waiving RC Credit Churn Customers

### Requirement Overview

#### Functional Requirements

The following change, based on a proposal from Amdocs, is required:

FR01

Whenever there is a need to create RC credits, Billing will check the status of the subscriber (using subscriber\_id) and verify if the customer has left TSN. If he has left Fokus, Billing will:

* Create a credit for the customer and mark it as “not to print on bill”
* Create a similar charge and mark it as “not to print on bill”

The validation will be performed at the Subscriber ID level; the BAN status is not relevant.

If the subscriber\_id is still active/suspended, then no change is needed; that is, a credit will be created according to the current billing rules. This will be the case in the following situations:

* Change MSISDN
* Subscriber move from BAN to BAN
* Change price plan
* Delete SOC

FR02

NetCom should be able to define at the account type level whether or not the new RC credit behaviour should apply.

### Market-Specific Notes

The item for customization is part of the Fokus customized module; therefore, it is available to both NetCom and Telia.

### Existing Functionality

Currently when a NetCom subscriber is cancelled and the previous bill has a recurring charge ending after the cancellation date, a credit is made on the next bill (for the period cancellation date – RC end date).

### Proposed Solution Functional Specifications

#### Reference Application

A new field, “Waive RC Ind”, will be added to the Account Types definition screen in the Reference Table online application. It will be a checkbox to indicate whether the RC is to be waived during cancellation for subscribers on a BAN with this account type. The new field will be updateable and non-mandatory for new as well as existing records as shown in figure 4-4.

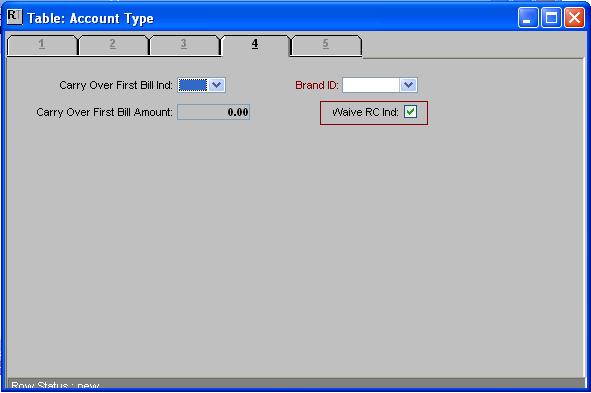


Figure ‑: Account Type Window

#### Billing

The Billing process will be enhanced to identify the subscribers that are cancelled and not in the Fokus system anymore.

For these subscribers, the Credit amount is calculated based on the current set of proration rules. A new Charge and Credit is created for the amount to balance it out. Also, this charge/credit pair will not be shown on the invoice.

For Chess Customers, these charges/credits will be skipped in the CSV creation process. According to the current process, charges not going to CSV will not be uploaded to the presentment tables either.

### Impact on Other Applications

* Reference Tables Online
* Billing

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

BPT 2828:

* New One-Time feature code will be introduced
* New adjustment reason code will be introduced
* A new entry will be placed in the PARAM\_VALUES table for the on-off indicator

### Netcom Responsibility

N/A

### File and Record Changes

N/A

### Database Structural Changes

#### ACCOUNT\_TYPE – Modified

| Name | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- |
| WAIVE\_RC\_IND | Char(1) | Indicates whether or not RC Credit is to be given in the case of subscriber cancellation | Y – Yes  N – No | YESNOIND | New |

### Test Instructions

1. Test that it is possible to set the Waive RC Ind for a new/ existing account type record via the Reference Table online application.
2. Identify/Create a few subscribers in Fokus for the NetCom/Chess market.
3. Run regular billing for these subscribers.
4. Cacel/port out a few of these subscribers so that they are no longer in the Fokus system.
5. Perform the Change MSISDN or Move Subscriber from BAN to BAN activities on a few subscribers.
6. Run Billing
7. There should be One-Time charges and credits with the same amount created for subscribers in #4 above.
8. Credit will be created for subscribers set up in #5 above as done currently.

## CR-1396 Determine bill display on SOC

### Requirement Overview

#### Functional Requirements

* FR1 - A SOC level indicator is needed to control the RC display in case of zero balance. The new flag will have 3 values:
* Y – meaning that RC zero balance is always presented
* N – meaning that RC zero balance is not presented
* Null – meaning that the presentation is done according to the feature definition
* FR2 - The price plan / SOC report should display the new SOC level indicator.

### Market-Specific Notes

The item for customization is part of the Fokus customized module; therefore, it is available to Telia only.

### Existing Functionality

Currently ADD applies the below rules in the zero balance charge bill display.

* RC Price Plan zero charge is always displayed.
* Other types of zero charges are displayed based on the value of the CHARGE\_INFO.BL\_ZERO\_CHG\_PRST\_IND field.
  + - IF CHARGE\_INFO.BL\_ZERO\_CHG\_PRST\_IND is Yes then zero balance charge will be displayed;
    - Otherwise the zero balance charge will not be displayed on the bill.

### Proposed Solution Functional Specifications

#### ADD

[FR1] ADD will apply the following rules on the zero balance charges bill display:

* RC Price Plan zero charges are always displayed. This rule applies to charges with service type “P” (Price Plan), “M” (Reduced Price Plan), and “N” (Special Promotion on Price Plan). In case billing did not create any PP charge, then ADD will continue to create a dummy PP charge of zero amount, same as today.
* For other type of RC charges and UC/OC charges the following rules will apply
  + - IF SOC. BL\_ZERO\_CHG\_PRST\_IND IS YES, THEN zero balance RC charge will be displayed on the bill;
    - IF SOC. BL\_ZERO\_CHG\_PRST\_IND IS NO, THEN zero balance RC charge will not be displayed on the bill;
    - IF (SOC. BL\_ZERO\_CHG\_PRST\_IND IS NULL AND charge IS RC) OR (charge IS UC/OC) then:
      * IF CHARGE\_INFO.BL\_ZERO\_CHG\_PRST\_IND IS YES THEN zero balance charges (RC /UC/OC) will be displayed;
      * Otherwise the zero balance charge (RC/UC/OC) will not be displayed on the bill.

### Impact on Other Applications

#### Price Plan

* The Price Plan application will be enhanced so that the SOC window, Reduced SOC window and SOC Special Promotion window will have the indicator displayed on them.
* The new indicator will be invisible for Price Plan, Reduced Plan and Price Plan Special Promotion windows.
* The new indicator will have the following three possible values:
* Display – database value will be Y
* Do Not Display – database value will be N
* Follow Feature Category Rules- database value will be empty/NULL
* The default value for this indicator will be Follow Feature Category Rules.
* The user will be able to change the value for this indicator at any time, and this will create a new version of the product.
* If the user changes the value of this indicator on the base SOC, the changes will not be reflected on the promotions defined for this SOC.
* The SOC report will be also enhanced to display the new indicator.
* The new indicator will be visible for Telia only.

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

N/A

### Netcom Responsibility

Telia must perform the first update of the new indicator for the required products.

### File and Record Changes

N/A

### Database Structural Changes

#### SOC

| Name | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- |
| BL\_ZERO\_CHG\_PRST\_IND | CHAR(1) | A Yes/No flag, to either show or not show zero rated RC charges on bill | **Y/N/NULL** | YESNOIND | New |

### Test Instructions

#### ADD

As a result of the changed functionality, the following issues should be checked:

The presence of the new “BL\_ZERO\_CHG\_PRST\_IND” field in the SOC price plan table and its availability in AmDD jobs.

The zero charge bill presentation should be as per the rules described in this CR. All of the possible combinations of charges types should be covered

Affected invoice formats which have to be tested:

1. Telia paper format
2. Telia PBS details (non paper format)
3. Telia credit note
4. Telia electronic invoice (non paper format)

#### Price Plan

Testers should open each of the following windows and ensure that the new indicator is visible and changeable:

* SOC window
* Reduced SOC
* SOC special promotion
* BOGO
* SOC report

## CR-1400 Change the sorting logic of the invoice

### Requirement Overview

#### Functional Requirements

* FR1 – Sort RC lines in a configurable priority like voice, messaging, data, others (both for regular, pro-rated and carry over invoices). This must be dynamic so we request a reference table to configure this. It must be possible to define new values and determine f each PP, SOC, etc. which “type” it is A SOC-level indicator is needed to control the RC display in cases of zero balance. The new flag will have three values.
* FR2 – Sort same SOC codes together (for pro-rated and carry over invoices). If multiple charges of the same type exist then the ones for the same SOC must be together so they will a consecutive period.
* FR3 - Refunded RC must always be presented at the top of the section of that RC type. Lines for cancelled SOC / PP must be presented before the charging of the new SOC / pp. For “abonnement” it will just be in top of the section.

### Market-Specific Notes

The item for customization is part of the Fokus customized module; therefore, it is available to Telia only.

### Existing Functionality

* Subscriber specification in Telia paper format (Level 3)
* Subscriber RC charges are grouped in Level 3 by:
* Subscriber
* Month in case of carry over;
* RC-type (Price Plan or Other charges)
* SOC bill description sequence / feature category bill description sequence (in case of discounts and UTC)
* Match tier level (\*applicable for Telia Match customers)
* User name & email address (\*applicable for ISP)
* Product type & order (GSM/ISP/etc.)
* The charges are sorted in ascending order by:
* Email address (\*applicable for ISP, ascending)
* Start date
* Match tier level (\*applicable for Telia Match customers, ascending)
* Subscriber specification in the PBS non paper format (PBS details)
* Subscriber RC charges are grouped in the PBS details the same as in Level 3 and are sorted by:
* Subscription type (descending) which is P for price plan charges and O for other charges.

This has the same effect as the splitting into two separate sub-sections done in the paper format.

* Start date (ascending).
* Level 1 in the Telia paper format and PBS non paper format
* BAN level charges are presented in two sub-sections, taxed charges ('Andet') and VAT free charges ('Andet - momsfrit').
* Within each sub-section, the charges are presented in the following order: one time charges, recurring charges and usage charges.
* RC charges are displayed ungrouped and sorted in ascending order by:
* RC order ('A' for regular RC charges, 'B' for UTC, 'C' for hierarchal discounts, 'D' for refunds)
* Start date

### Proposed Solution Functional Specifications

#### ADD

ADD will fetch the RC\_SORT\_ORDER for each RC charge from the new RC\_SORT\_TYPES table according to the SOC’s RC\_SORT\_IND and add it to the internal structure of the SOC table.

ADD will apply the following sorting rules in the bill display of RC charges:

* Subscriber specification in Telia paper format (Level 3)
* RC charges will continue to be split into two sub-sections, the first one displaying Price Plan charges and the second one showing Services and Optional packages. Within the two sub-sections the charges will be sorted by the following criteria:
* Email address (\*applicable for ISP, ascending)
* RC\_SORT\_ORDER (descending).
* Refund or not (Refunds will be displayed first). ADD will identify RC refunds using the condition ftr\_revenue\_code = ‘R’ and actv\_code='CRDT' and discount\_code = ‘NO-DISC’ actv\_reason\_code=‘REFUND’
* The month in case of carry over (ascending)
* Start date (ascending)
* Match tier level (\*applicable for Telia Match customers, ascending)
* SOC bill description sequence number/ feature category bill description sequence number (ascending). These criteria ensure that the same bill / customer will always have the RC lines in a specific order in case two charges have the same RC sort type, month and start date.

It is possible to have “split RC” for same SOC and time period since the RC charges grouping will not change.

* Subscriber specification in the PBS non paper format (PBS details)
* RC charges will be sorted using the following:
* Subscription type (descending) which is P for price plan charges and O for other charges. This has the same effect as the splitting into two2 separate sub-sections done in the paper format.
* Email address (\*applicable for ISP)
* RC\_SORT\_ORDER (descending)
* Refund or not (Refunds will be displayed first). ADD will identify RC refunds using the condition ftr\_revenue\_code = ‘R’ and actv\_code='CRDT' and discount\_code = ‘NO-DISC’ actv\_reason\_code=‘REFUND’
* The month in case of carry over (ascending);
* Start date (ascending)
* Match tier level (\*applicable for to Telia Match customers, ascending)
* SOC bill description sequence number/ Feature category bill description sequence number (ascending). These criteria ensure that the same bill / customer will always have the RC lines in a specific order in case two charges have the same RC sort type, month and start date.
* Level 1 in the Telia paper format and PBS non paper format
* The BAN level RC charges will be presented ungrouped and in the same position as is currently on the bill will be sorted in ascending order by:
  + - Subscription type (descending) which is P for price plan charges and O for other charges
    - RC\_SORT\_ORDER (descending)
    - Refund or not (Refunds will be displayed first). ADD will identify RC refunds using the condition ftr\_revenue\_code = ‘R’ and actv\_code='CRDT' and discount\_code = ‘NO-DISC’ actv\_reason\_code=‘REFUND’
    - The month in case of carry over (ascending)
    - Start date (ascending)
    - SOC bill description sequence number/ Feature category bill description sequence number (ascending). These criteria ensure that the same bill / customer will always have the RC lines in a specific order in case two charges have the same RC sort type, month and start date.

### Impact on Other Applications

#### Price Plan

* The SOC table will be enhanced with a new field - RC\_SORT\_IND - and will be include for RC sort type of the PP/SOC.
* In the Price-Plan online system, when a new SOC, price-plan or promotion is created, the user will be able to select from a list of RC sort types defined in the new RC\_SORT\_TYPES table. The new “RC Sort type” field will be mandatory and it will be initialized as blank/"null” in the PP-screens when creating a new SOC/pp.
* Amdocs will be responsible for creating a script to populate the new RC Sort Type column for the already existing SOCs/Price Plans. The final rules will be sent by Telia at the time this IA is approved or when ordering the CR.

#### Reference Application

* A new RC\_SORT\_TYPES reference table will be created, containing a list of sort types for RC charges and the priority for each one.
* A new window will be added to the online part of the reference application. The user will use this window to maintain the entries in the RC\_SORT\_TYPES table.

This window will open from the Billing section where the user will be able to add or modify entries; it will not be possible to delete entries from the table.

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

N/A

### Netcom Responsibility

Amdocs will be responsible for creating a script to populate the new RC Sort Type column for the already existing SOCs/Price Plans. The final rules will be sent by Telia at the time this IA is approved or when ordering the CR

### File and Record Changes

N/A

### Database Structural Changes

#### RC\_SORT\_TYPES – New

This is a new reference table that will be populated by the RFT application. The table will include the following fields:

| Name | PK/NN | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- | --- |
| RC\_SORT\_IND | PK | Char(2) | RC Sort type |  | RCSIND (new) | New |
| DESCRIPTION | NN | VARCHAR2(30) | Sort type description |  | DLRDSC | New |
| RC\_SORT\_ORDER | NN | NUMBER(4) | Sort type priority |  | RTPRIORITY | New |

#### SOC – Modified

This reference table will be enhanced to have the following new field:

| Name | PK/NN | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- | --- |
| RC\_SORT\_IND | NN | Char(2) | RC Sort type |  | RCSIND (new) | New |

### Test Instructions

#### ADD

As a result of the changed functionality, the following issues must be checked:

* Presence of the new “RC\_SORT\_ORDER” field in the reference extract.
* The sorting of BAN and subscriber RC charges displayed on the bill should be in accordance with the rules described in this CR. All possible combinations of RC charge types should be covered.

Affected invoice formats that must be tested are:

* Telia paper format
* Telia PBS details (non-paper format)

#### Price Plan

* Open an existing PP, SOC or promotion and ensure that you can see the new RC\_SORT\_IND field.
* Create a new PP, SOC or promotion and ensure that you can populate the new field from a dropdown list which displays the list of sort indicators from the RC\_SORT\_TYPES table.

#### RFT

* Open the RFT application and from there open the Billing section
* Ensure that you can see a new entry for RC Sort Types.
* Double click this entry and ensure that the list of entries from RC\_SORT\_TYPES table is displayed.
* Ensure that you can add and modify entries.

## CR-1353 Prolonging Fee Improved

### Requirement Overview

#### Functional Requirements

* FR1 - When the user performs change rating activity he should be able to choose between a normal change rating and prolonging.
* FR2 - If the user chooses to perform a prolonging, the Commitment button should default to “Change commitment”. Otherwise the Commitment button should default to “keep old commitment”.
* FR3 – When change rating to a PP, the prolonging fee must have a market level or price plan level rate. In case of change rating to campaign the fee should be taken from a new field added to the campaign level.
* FR4 - This activity should be available to perform from Tuxedo in the same way as is done today for Change Rating.

### Market-Specific Notes

The item for customization is part of the Fokus core module; therefore, it is available to both Telia and Netcom.

### Existing Functionality

Currently, it is not possible to create a prolonging fee when the Change Rating activity is performed.

### Proposed Solution Functional Specifications

* CSM applications will be enhanced as follows:
* A new Prolonging checkbox will be added to the Change Rating window.
* When the user opens the Change Rating window a new message will be displayed to the user asking whether or not to create a prolonging activity.
* If the user chooses to create a prolonging activity the system will set the Prolonging checkbox to be ON, and will set the commitment to be “Change commitment”.
* If the user chooses not to create a prolonging activity the system will set the Prolonging” checkbox to be OFF, and will set the commitment to be “keep old commitment”.
* The user will still have the possibility to check or un-check the “Prolonging” checkbox before saving the new rating data.
* When the user completes the new rating data and clicks OK, CSM OL will send the Prolonging activity (along with the other data) to the Tuxedo service.
* In the Tuxedo service, the system will handle the prolonging activity as follows:
* If the prolonging activity exists in the list, the system will check whether the new rating is campaign or PP.
* If the new rating is a campaign, the system will create a fee according to the rate exists on a new field that will be added to hold prolonging fee for campaigns.
* If the new rating is a price plan, the system will create the fee according to the current practice by taking the rate from the PP level or the market level.
* The same changes will be applied in the move subscriber window and move subscriber Tuxedo service; this is because it is possible to change rating during move subscriber as well.
* External systems will follow the same procedure - they will only send the prolonging indicator or activity and the Tuxedo service will create the fee if the prolonging activity exists. These systems should also send whether or not to keep the commitment (as currently done).
* The PP application will be enhanced as follows:
* A new PROLONGING\_FEE field will be added to the CAMPAIGN\_COMMITMENTS table. This field will hold the fee that should be charged when performing prolonging activity to a campaign.
* The campaign window in PP application will be enhanced to display the new PROLONGING\_FEE field to allow the user to maintain this attribute.

### Impact on Other Applications

N/A

### Collection Assumptions and Constraints

This new functionality will be developed for subscriber level rating only, not for BAN level rating.

### Implementation, BPT CR, and Training Notes

* The new PROFEE one-time charge code will be defined in the system.
* The new Prolonging activity (activity code = PRO) will be defined in CSM\_ACTIVITY table. The new PROFEE one-time charge code will be attached to this activity.

### Netcom Responsibility

* Telia and Netcom should create the new PROFEE one-time charge using price plan application.
* Telia and Netcom should attach the new PROFEE one-time charge code to the market level and assign a rate to it.
* Telia and Netcom should also attach the new PROFEE one-time charge code to the required price plans with the required rate.

### File and Record Changes

N/A

### Database Structural Changes

A new field will be added to the CAMPAIGN\_COMMITMENTS reference table:

| Name | Type (Length) | Description | Valid Values | Domain Name | New/ Delete/ Update |
| --- | --- | --- | --- | --- | --- |
| PROLONGING\_FEE | NUMBER(11,2) | The rate that should be charged when performing prolonging with a new campaign | Valid amount | AMTREG | New |

### Test Instructions

#### Price Plan

Testers should ensure that they can see the new one-time charge code and that they can create a market and price plan level rates for this code.

#### CSM

Testers must perform the following procedures in Telia and Netcom market:

* Open an active subscriber and perform Change Rating for it; ensure that a message is displayed asking whether or not to create prolonging activity.
* Choose OK in the message and ensure that the new prolonging field is visible and turned ON.
* Complete the new rating data and click Save.
* Ensure that the new rating data is saved and that a prolonging activity and fee are created.
* Repeat the change rating and choose NO in the message; ensure that the new prolonging field is visible and checked OFF (un-checked).
* Complete the new rating data and click Save.
* Ensure that the new rating data is saved and that a prolonging activity and fee are not created.
* Perform Move Subscriber activity for an active subscriber and perform change rating during the move.
* Ensure that the same message displayed in normal change rating is also displayed here.
* Choose Yes in the message, complete the move data and Save.
* Ensure that the move is performed successfully and that a prolonging activity and fee are created.
* Repeat the move flow and chose No in the message.
* Complete the data and Save
* Ensure that the move is performed successfully and that a prolonging activity and fee are not created
* Perform a BAN level change rating and ensure that the new message is not displayed and that the new field is not visible.

## CR-1419 Campaign History

### Requirement Overview

#### Functional Requirements

* FR1 – It should be possible to view the campaign history for a subscriber; this should be similar to the existing “Price Plan and Service History”.
* FR2 – The following information should be presented in the campaign history window:
* Campaign Code
* Campaign description
* Effective Date
* Expiration Date – If the campaign is not expired, the value 00.00.0000 should be presented in this field.
* Campaign Sequence

### Market-Specific Notes

The item for customization is part of the Fokus core module; therefore, it is available to both Telia and Netcom.

### Existing Functionality

Currently, it is not possible to view a subscriber’s campaign history.

### Proposed Solution Functional Specifications

* The Queries menu for the BAN window will be enhanced to have a new sub menu for “Campaign History”.
* When the user clicks the new “Campaign History” menu, a new Campaign History window will be opened.
* If the selected tab in the BAN window is either “Financial Summary” or “BAN Profile”, the Campaign History window will be opened for the BAN level, displaying the BAN’s campaign history.
* If the selected tab in the BAN window is either “Subscriber Profile” or “Subscriber Services”, the Campaign History window will be opened for the subscriber level, displaying the campaign history for the specific BAN and subscriber.
* The Campaign History window will call a new Tuxedo service in order to retrieve the required data.
* The following fields will be populated in the window:
* Campaign Code
* Campaign Description
* Effective Date
* Expiration Date - If the campaign is not expired, the 00.00.0000 value should be presented in this field.
* Campaign Sequence
* The data will be sorted according to effective date.
* A new Tuxedo service, gnLsCmpHst, will be developed to retrieve the campaign history:
* The data will be retrieved either for BAN or BAN and subscriber, depending on the input.
* The service will return a buffer with the list of campaigns.

### Impact on Other Applications

N/A

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

N/A

### Netcom Responsibility

N/A

### File and Record Changes

N/A

### Database Structural Changes

N/A

### Test Instructions

Testers must perform the following procedures:

* Perform different change rating on a subscriber, such as change from PP to campaign, and then to another campaign, and then to a new PP, and again to a campaign, and so on.
* Click the Queries menu and then select the new Campaign History menu.
* Ensure that a new window is opened, displaying the data as expected.

## CR- 1394 Username in DLG billing name Function

### Market-Specific Notes

The item for customization is part of the Fokus customized module, and is therefore available for Telia only.

### Functional Specifications

* DLG needs to have a new optional field with subscriber name in the DLG billing file.
* This field should be populated with user name for all DLG subscribers who has user name. This field will be empty like today if the DLG subscriber doesn’t have a user name.
* DLG wants to populate the DLG customer number instead of fixed string 11111111 in record type 2 and 3 for ban level charges. The customer number should be masked in front with zeroes if the length of the customer number is less than subscriber.

The location of the new field is shown in a sample file part below.

HDXLQZ2900 DEBITEL DLGSAP DEBITELF

0031-05-10333

020641782048443602 160410150510702003233 XXXXXXXXXXXXXXXXXXXXXXX

0306417820484436021250000092+000000010245+000000000000031150

0306417820484436021300000003+000000014030+000000000000002354

0306417820484436021400000019+000000001425+000000000000000000

0306417820484436021410000001+000000000235+000000000000000139

0306417820484436021441000361+000000166694+000000000000000000

0306417820484436021460000874+000000010488+000000000000

0306417820484436021462000005+000000001260+000000000000000000

### Impact on Other Applications

* N/A

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

N/A

### Netcom Responsibility

N/A

### File and Record Changes

N/A

### Database Structural Changes

N/A

### Test Instructions

#### Billing

* + - * Run DLG SAP interface for a new bill run of DLG cycle.
      * Verify that the username field is populated properly

## CR-1195 Alteration Regarding Dispute Function

### Requirement Overview

#### Functional Requirements

* FR1 – Telia requires the ability to have an expiration date for disputes that are not accepted or rejected after five days. In such cases, the dispute will be automatically rejected and will continue normally with the collection process.
* FR2 – The dispute expiration date must be displayed on the Collection window.
* FR3 – When an automatic rejection is performed, a memo will be created. The text will be "Auto-rejection of dispute created on date dd.mm.yyyy. No action taken."
* FR4 – Invoices that are paid must be removed from dispute.

### Market-Specific Notes

The item for customization is part of the Fokus customized module; therefore, it is available to Telia only.

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### Existing Functionality

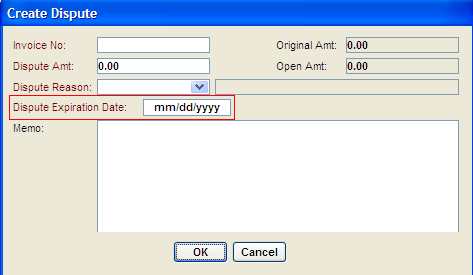
Currently, disputes that are created must be either approved or rejected by a user; until that is done, the disputed invoice will be held in the Collection process.

### Proposed Solution Functional Specifications

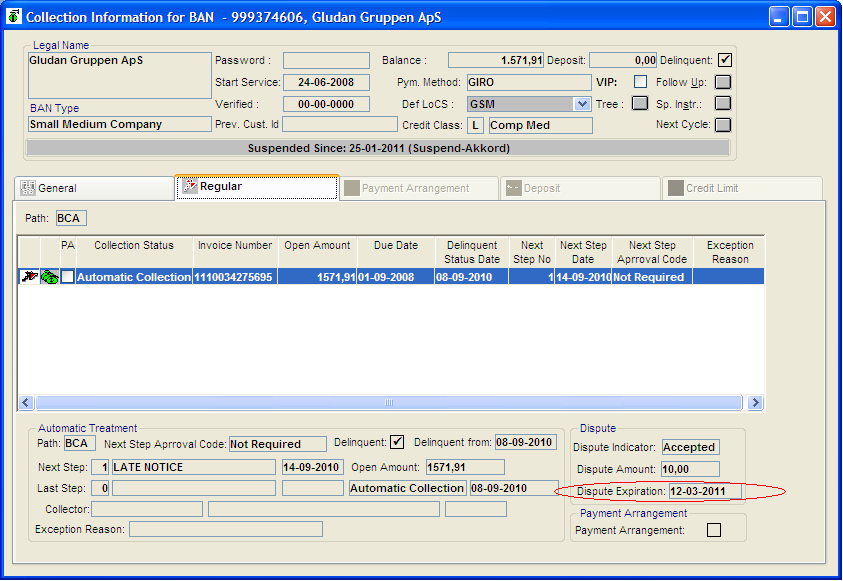
#### CSM Online

The Create Dispute window will be modified as follows:

* A new date field, “Dispute Expiration Date”, will be added to the window.
* The new “Dispute Expiration Date” will be a mandatory field, so the user must populate it every time an invoice entered into a dispute.
* When the “Create Dispute” window is opened, the new “Dispute Expiration Date” field will be populated with a default value. The default value will be calculated by adding a configurable (in the param\_values table) number of days to the Logical date. Initially, the value will be defined as 5 days.
* The “Dispute Expiration Date” field will be validated. The date must not be in the past.
* The new “Dispute Expiration Date” will be non-editable for certain users. Telia will do this by using the security profile.



* When clicking the OK button, the dispute expiration date will be sent to the Tuxedo service in a new variable, this date will be also sent in the P4 field so it will be added to the dispute creation memo.
* The “Regular” tab in the Collection window will be modified to display the “Dispute Expiration Date”, as shown below.



#### CSM UNIX

The tuxedo service that creates a dispute will be enhanced to receive the new value for “Dispute Expiration Date”, and populate it on the existing REMOVE\_DISP\_IND\_DATE field in COLLECTION\_POSITION.

#### Collection

* The “Dispute Cleanup” job (ARDISPCLN) will be enhanced to automatically remove the invoice from dispute when the “Dispute Expiration Date” is reached for disputes still in “New” status. This process will be called “Auto-rejection”.

Note This action will not remove the invoice from collection.

* Once the invoice is taken out of dispute, it will resume its collection treatment from the same point at which it was interrupted.
* A memo will be generated by the “Auto-rejection” process with the following text: "Auto-rejection of dispute created on date dd.mm.yyyy. No action taken. Invoice: <Invoice number>."
* The “Dispute Cleanup” job will be enhanced to remove disputed invoices out of collection if the open amount is zero and the invoice does not have an active payment arrangement. If the dispute is in status “New”, the system will also wait for the “Dispute Expiration Date” before removing the invoice from collection.
* A script will be created to update the dispute expiration date, based on the run date, by adding the number of days set in the param\_values table. This process is required for disputed invoices in “New” status.

### Impact on Other Applications

The following applications are impacted by the CR:

* CSM
* Collection

### Collection Assumptions and Constraints

N/A

### Implementation, BPT CR, and Training Notes

* A new script must be executed in order to populate REMOVE\_DISP\_IND\_DATE in the COLLECTION\_POSITION table for all entries in dispute with status “New”.
* A new entry must be created in CSM\_ACTIVITY and MEMO\_TYPE to allow a collection job to create the “Auto-Rejection” memo.
* A new entry, “DISPUTE\_GRACE\_PERIOD”, must be created in PARAM\_VALUES to hold the default number of days for dispute expiration.
* The current memo type (code = 2125) will be enhanced to receive a new parameter for Dispute expiration date. So the new text will be: “Dispute requested. Invoice: %s. Amount: %s. Reason: %s. *Expiration Date: %s*

### Netcom Responsibility

N/A

### File and Record Changes

N/A

### Database Structural Changes

N/A

### Test Instructions

Testers should perform the following procedures:

* Run the script to update existing entries in dispute, and make sure there are disputes in “New” status both fully paid and with open amount. Open the Collection window for several disputes. Advance logical date 5 days and run the “Dispute Cleanup” job (ARDISPCLN).
* Create new disputes.
* Ensure that the default expiration date is correct.
* Ensure that the expiration date cannot be before the run date.
* Reject and approve disputes and run the “Dispute Cleanup” job.
* Leave disputes in status “New”, advance logical date to their expiration date, and run “Dispute Cleanup” job.
* Make payments to close disputed invoices in status “New”, open Collection screen, advance logical date to “Dispute Expiration” date and run “Dispute Cleanup” job, and open Collection screen again for those disputes.

# Technical Changes

## Release Changes Summary

The changes in Release 19.0 are summarized in the following table:

|  |  |
| --- | --- |
| UNIX Executables | **√** |
| PB Executables | **√** |
| Database (GDD) | **√** |
| Third-party Tools | **X** |
| Application Patches | **√** |
| BPT Data | **√** |
| FI Data | **√** |
| OP Data | **√** |

## Third-Party Items

| Item Name | Production Version | New Version | Comments |
| --- | --- | --- | --- |
| C | A.06.16 |  |  |
| C++ | A.06.16 |  |  |
| Jolt | 8.1 (RP 264) |  |  |
| Maestro | 8.2 (patch 1.36.1.7) |  | /opt/maestro82/maestro82 |
| MF Cobol | v5.1 |  | /opt/cobol5.1 |
| Oracle | Oracle 11.2.0.2 | Oracle 11.2.0.3 | /oravl01/oracle/11.2.0.3 |
| Oracle Client | 11.2.0.2 | 11.2.0.3 |  |
| OSS ASN.1 | V8.2 | V8.2 | /opt/ossasn1/hpux-itanium-32bit.tgt/8.6.1 |
| PowerBuilder | 11.5 |  |  |
| QuickSelect | 1.9 |  | /opt/qsel1.9\_32bit |
| SQL Net | Net10.1 10.2.0.3.0 |  |  |
| SyncSort | 3.15 |  | /opt/syncsort3.15 |
| Tuxedo | 11g(10.3) |  | /opt/tuxedo10.3 |
| OS | HP-UX B.11.31 U ia64 |  |  |
| Xerces | 2\_6\_0 |  | /local/xerces-c2\_6\_0\_32b/ |
| XML-Xalan | 1\_9\_0 |  | /local/xml-xalan-c1\_9\_0\_32b |

**GNU/Public Domain SW**

| Item Name | Production Version | New Version | Comments |
| --- | --- | --- | --- |
| tcsh | 6.14.00 (Astron) |  |  |
| gzip/gunzip | 1.3.3 |  |  |
| gmake | 3.80 |  |  |
| gdiff | 2.7 |  |  |
| gfind | 3.8 |  |  |
| perl | 5.8.8 |  |  |
| emacs | 21.3 |  |  |
| xemacs | 19.13/21.1 |  | /local/bin/xemacs-19.13 |
| flex | 2.5.4 |  | /local/bin/flex2.5.4 |
| Tk | 4.2 |  |  |
| tcl | 8.4 |  |  |
| gtar | 1.14 |  |  |
| less | 416 |  |  |
| Itk | 2.2 |  |  |
| Itcl | 2.2 |  |  |
| ghostview | 1.5 |  |  |
| wish | 4.2 |  |  |

Kernel Parameters change:

N/A

## Amdocs Tools

| Item Name | Production Version | New Version | Comments |
| --- | --- | --- | --- |
| CC | V07 |  |  |
| CC tools | V07 |  |  |
| Online CC manager | EPCC2009 |  |  |
| Operational | 4.1 (Patch #74) |  |  |
| Schapi | 3.0 (Patch #2) |  |  |
| Juliet | 8.5 |  |  |
| Cell Tools | v15\_0U1 (Patches: P2\_D84 and P3\_D85) |  |  |
| Quality Center | 9 |  |  |
| Tester Choice | 4.81 (SP1) |  |  |

## Application Components Delivered

**Online (NT)**

| Application | Version | Compile Date |
| --- | --- | --- |
| Application Tables | 19.0 |  |
| CSM | 19.0 |  |
| Dealer | 19.0 |  |
| Inventory Control | 19.0 |  |
| MAF Error Handler | 19.0 |  |
| Number Management | 19.0 |  |
| Operational | 19.0 |  |
| Price Plan | 19.0 |  |
| Reference Tables | 19.0 |  |
| Security Management | 2.1 |  |
| Switch | 19.0 |  |
| Workstation Configuration | 19.0 |  |
| Customer Hierarchy | 3.15 |  |
| PB Infra | 316 |  |
| Amdocs Document Designer (previously known as FBF) GUI | 7.1 |  |
| RBMS GUI | 5 |  |
| Client – Online applications | 19.0 |  |

**Server (UNIX)**

| Physical CC Version | Logical CC Version | Last Build Date |
| --- | --- | --- |
| 19.0 | 19.0 |  |

## Environment Changes

### Changes to Environment Variables

N/A

### Changes to Environment Structure

N/A

### Changes to Environment Configuration Files

#### Netcom

N/A

#### Telia

N/A

## CC Build Instructions

RCS Source Control was replaced by ASLM 8.2(XtraC).

As result CC manager (CC tools) and CC configuration were changed also.

Master CC account is mb\_ccntm@hpx614 and CC login account is ccntm@jhpx614.

All changes should be inserted to XtraC via tasks. Updated files are refreshed to unix CC master and compiling via nightly build

## Changes to Tuxedo

### Changes to Variables

N/A

### Changes to Tuxedo Servers

N/A

## Changes to Citrix/INI Files

### Netcom

N/A

## Database Changes

### Oracle SW upgrade

Oracle version was upgraded from 11.2.0.2 to 11.2.0.3.

### Upgrade Database Patches

The following table describes the upgrade patches used for the test environments. PET/PROD environments were upgraded using a separate set of scripts.

Version 19.0 Patches:

| ID | Description | Affected Areas | Comments |
| --- | --- | --- | --- |
| 1 | DB patch #1 | Reference | Created on 1-Feb-2012 (hnd19\_0\_1) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

### Data Model Changes



### Disk Structure

N/A

### Disk Space Requirements

N/A

## Data Changes

### Reference Database

The following sections contain embedded documents listing the BPT changes.

#### NetCom Reference Changes (BPTs)

****

#### Telia Reference Changes (BPTs)



### Application Database

#### Full Init Data Changes

##### Netcom Full Init Data Changes

N/A

##### Telia Full Init Data Changes





#### NetCom Application Data Patches

N/A

#### Telia Application Data Patches

### Security DatabaseN/A

Please note –

There 6 synonyms from SEC Db to REF DB:

ADJUSTMENT\_REASON

CHARGE\_INFO

FEATURE

MARKET

ONLINE\_MESSAGES

PARAM\_VALUES

### Operational Database

#### Netcom Operational Database

N/A

#### Telia Operational Database

### Domain Changes

| Attribute Name | Attribute Type and Length | Attribute Description | Constraints/ Valid Values | Read-only (Y/N) | Mandatory (Y/N) | Add/Deleted/ Updated |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Job Definitions

The following table summarizes all of the operational jobs that are new or changed in this version.

### NetCom Job Details

| Functionality | |  |
| --- | --- | --- |
| Request Date | |  |
| Component | |  |
| Job Name | |  |
| Script | |  |
| Change Type | |  |
| Dependency | |  |
| Distribution | Logical-Name |  |
| Type |  |
| App Parameters | |  |
| Runtime | |  |
| Connect to DB Like Job <job name> | |  |
| DB to connect to… | |  |
| Description | |  |

| Functionality | |  |
| --- | --- | --- |
| Request Date | |  |
| Component | |  |
| Job Name | |  |
| Script | |  |
| Change Type | |  |
| Dependency | |  |
| Distribution | Logical-Name |  |
| Type |  |
| App Parameters | |  |
| Runtime | |  |
| Connect to DB Like Job <job name> | |  |
| DB to connect to… | |  |
| Description | |  |

### Telia Job Details

| Functionality | |  |
| --- | --- | --- |
| Request Date | |  |
| Component | |  |
| Job Name | |  |
| Script | |  |
| Change Type | |  |
| Dependency | |  |
| Distribution | Logical-Name |  |
| Type |  |
| App Parameters | |  |
| Runtime | |  |
| Connect to DB Like Job <job name> | |  |
| DB to connect to… | |  |
| Description | |  |

| Functionality | |  |
| --- | --- | --- |
| Request Date | |  |
| Component | |  |
| Job Name | |  |
| Script | |  |
| Change Type | |  |
| Dependency | |  |
| Distribution | Logical-Name |  |
| Type |  |
| App Parameters | |  |
| Runtime | |  |
| Connect to DB Like Job <job name> | |  |
| DB to connect to… | |  |
| Description | |  |

## Other Changes

### View Files in Online

N/A

Document Release Information

| Software Version | Editor | Edited Date | Comments | Sent to site | Approved By | Doc Ver. |
| --- | --- | --- | --- | --- | --- | --- |
| 19.0 | Eran Ravid | 22/02/2012 | Initial version |  |  | V0.1 |
| 19.0 | Manoj Warke | 09/02/2012 | Updated the CR details for AR and billing |  |  | V0.2 |
| 19.0 | Galina Buzeacova | 09/03/2012 | Updated the CR details for AMDD |  |  | V0.4 |
| 19.0 | Ashraf Abuleil | 14/03/12 | Updated the CR details for CSM |  |  | V0.5 |
| 19.0 | Eran Ravid | 25/03/12 | Add the changes that were made on site | 25/03/12 |  | V1.0 |
| 19.0 | Eran Ravid | 29/03/12 | Update missing production indicator in some defects | 29/03/12 |  |  |