

# Lucent Gateway Platform Traffic Collection Application Release Notes 2.0.0.108



Release Content Description

255-400-409R2.0.0.108

Issue 1

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Alcatel·Lucent 

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Alcatel-Lucent, headquartered in Paris, France designs and delivers networks for the world's largest communications service providers. Backed by Bell Labs research and development, Alcatel-Lucent relies on its strengths in mobility, optical, data and voice networking technologies as well as software and services to develop next-generation networks. The company's systems, services and software are designed to help customers quickly deploy and better manage their networks and create new revenue-generating services that help businesses and consumers. For more information on Alcatel-Lucent, visit its web site at <http://www.alcatel-lucent.com>.

**Notice**

At the time of publication, this document reflects the latest information on the Billing and Traffic System offering. However, as we are continually enhancing our products and solutions, we recommend that 6 months after the date of publication you obtain the latest version of this document from your Alcatel-Lucent representative.

**Trademarks**

Not applicable.

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# 1 OVERVIEW

## 1.1 Introduction

### Overview

This document provides detailed information regarding the Lucent Gateway Platform Traffic Collection Application (TCA), software version 2.0.0.108.

The product improvements made to this release of the TCA software bear a dependency upon the various releases of the switch software. In other words, some improvements made to the TCA software may apply to all releases, while others may only apply to specific releases of the switch software. Please refer to the release notes applicable to your version of the switch software to determine which product improvements made to the TCA software apply to your version of the switch software.

### Release Notes Issue

#### Version Information

Issue	Date	Purpose
1.0	5-Mar-2007	Release Notes for the official delivery of 2.0.0.108.

## 1.2 Software Release Overview

### TCA System Requirements

Switch software version 3.1.1.3.G or higher, 3.7.0.0 or higher, or 3.5.1.6.G or 5.1.0.0 or higher must be running to be compatible with TCA 2.0.0.108. The following file is required to install the TCA software on the server:

- TCA\_2.0.0.108.tar.gz

**Caution:** When using the TCA application, it is possible to fill the server's data directory to a point where the 'ls' and other file management commands or tools will not display the contents of the data directory. To prevent this from happening, Lucent suggests that the previous month's data files be removed from the data directory during the first week of a new month.

**Switch  
Software  
Requirements**

This version of Billing and Traffic system software has been validated against switches running Version 6.2.X.X of the switch software.

Contact Lucent Technical Services at 1-866-LUCENT8 or 1-866-582-3688 regarding the specifics of managing Plexus switches running other versions of switch software.

### 1.3 Installation & Startup Procedures

For installation and startup procedures, see DLP-526 in *Task Oriented Procedures (TOP)* chapter of the *Lucent Gateway Platform Billing and Traffic Collection Guide (255-400-403)*.

## 2 CUSTOMER DOCUMENTATION

The following list describes the available customer documentation relating to this release:

Doc #	Title
255-400-000	Lucent Gateway Platform Operations Manual
255-400-011	Lucent Gateway Platform Chassis Installation Procedures
255-400-001	Lucent Gateway Platform Maintenance and Troubleshooting User Guide
255-400-002	Lucent Gateway Platform Release TL1 Commands Reference Guide
255-400-400	OMC-P for the Lucent Gateway Platform Management Reference Guide
255-400-401	OMC-P Installation and Upgrade Guide
255-400-403	Lucent Gateway Platform Billing and Traffic Collection Guide
255-400-420	OMC-P for the Lucent Feature Server 5000 Management User Guide
255-400-421	OMC-P for the Lucent Communication Manager User Guide

### 3 APPENDIX A: PRODUCT IMPROVEMENTS

This appendix describes the following product improvements made in this release.

#### 3.1 Product Improvements

**Introduction** Below are the known issues fixed in this release.

**Lucent BTS  
 Product  
 Improvements**

Tracking Number	Symptom	Fixed
53519	Ensure update_day_ptr can handle end of month (day 31->1).  Busy hour reporting fails after encountering an "Invalid duration" error.	Fixed in 2.0.0.108
53148	TSAA did not handle a bad HBR timestamp properly.	Fixed in 2.0.0.106
51609	The TGPNUM in the ccs_trsum reports for CAS interface IDs is not consistently representative of what is configured.	Fixed in 2.0.0.104
51383	Zero utilization in busy hour reports for some interfaces.	Fixed in 2.0.0.104
49667	TCA reports are being created with data corruption.	Fixed in 2.0.0.102
48417	Stats CDR populates the charge number with zeros.	Fixed in 2.0.0.102
44506	STAS base in progress determination on call_status rather than state for SCII CDR trigger (SIP leaves rel_case/state zero on release)	Fixed in 2.0.0.99
42838	TCA generates output directories dated far in the future.	Fixed in 2.0.0.97
42839	BTS calculates an invalid switch_time for TCA records.	Fixed in 2.0.0.97
42840	CDRs are generated with negative call durations.	Fixed in 2.0.0.97
41409	CCS and TRSUM reports are not being created for SIP trunk groups.	Fixed in 2.0.0.96

## 4 APPENDIX B: *pkgadd* EXAMPLE

The following table shows the lines displayed when using *pkgadd*. Responses are shown in bold.

```
root: martin 5 % gunzip TCA_2.0.0.108.tar.gz

root: martin 6 % tar -xvf TCA_2.0.0.108.tar
x TCA, 0 bytes, 0 tape blocks
x TCA/pkgmap, 658 bytes, 2 tape blocks
x TCA/pkginfo, 135 bytes, 1 tape blocks
x TCA/reloc, 0 bytes, 0 tape blocks
x TCA/reloc/PlexStats, 0 bytes, 0 tape blocks
x TCA/reloc/PlexStats/S99PLXStats, 1666 bytes, 4 tape blocks
x TCA/reloc/PlexStats/TelicaStatsSrvr, 181484 bytes, 355 tape blocks
x TCA/reloc/PlexStats/Version.txt, 49 bytes, 1 tape blocks
x TCA/reloc/PlexStats/tsaa, 1123596 bytes, 2195 tape blocks
x TCA/reloc/PlexStats/tsaa.conf, 1201 bytes, 3 tape blocks
x TCA/reloc/PlexStats/tsds.conf, 628 bytes, 2 tape blocks
x TCA/install, 0 bytes, 0 tape blocks
x TCA/install/copyright, 491 bytes, 1 tape blocks
x TCA/install/postinstall, 1020 bytes, 2 tape blocks
x TCA/install/preinstall, 2652 bytes, 6 tape blocks
x TCA/install/request, 5271 bytes, 11 tape blocks
x admin, 135 bytes, 1 tape blocks

root: martin 7 % pkgadd -a admin -d .

The following packages are available:

 1  BTS      Telica BTS application
      (sparc) 6.2.0.0.6
 2  TCA      Telica TSAA application
      (sparc) 2.0.0.102

Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]: 2

Processing package instance <TCA> from </opt/PlexDC>

Telica TSAA application
(sparc) 2.0.0.102
  Copyright (c) 2003 Telica, Inc.

  734 Forest Street
  Building G
  Marlboro, MA 01752
  Phone: (508) 480-0909
```

# RELEASE CONTENT DESCRIPTION

## TRAFFIC COLLECTION APPLICATION 2.0.0.108



Fax: (508) 480-0922

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Looking for previously installed TCA package...  
Found TCA Version=2.0.0.102 at "/opt".  
Looking for previously installed BTS package...  
Found BTS Version=6.2.0.0.6 at "/opt".

TCA product can be installed in three ways:

- (1) Just TCA  
+ Installs only the TCA (Traffic Collection Application).
- (2) TCA + BTS tsaa  
+ Installs the TCA (Traffic Collection Application)  
+ and copies the tsaa (Telica Statistical Analysis Application)  
+ that comes with the TCA package to the BTS package installation  
+ base directory as tsaaDc.
- (3) BTS tsaa  
+ Only copies the tsaa (Telica Statistical Analysis Application)  
+ that comes with the TCA package to the BTS package installation  
+ base directory as tsaaDc.

Which mode do you want  
    (1)TCA  
    (2)TCA + BTS tsaa  
    (3)BTS tsaa           [?] 2

TELICA\_OPR\_MODE=TSAAADC

Enter TCA pkg installation directory base (default: /tmp): **<ACCEPT DEFAULT>**

Enter BTS pkg installation directory base:  
(The directory name in which the PlexDC dir resides)(default: /opt):  
**<ACCEPT DEFAULT>**

BTS\_BASEDIR=/opt

GROUPNUM=802

Using </tmp> as the package base directory.

## Processing package information.

## Processing system information.

    4 package pathnames are already properly installed.

## Verifying disk space requirements.

## Checking for conflicts with packages already installed.

## Checking for setuid/setgid programs.

This package contains scripts which will be executed with super-user permission during the process of installing this package.

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```
Do you want to continue with the installation of <TCA> [y,n,?] y

Installing Telica TSAA application as <TCA>

## Executing preinstall script.
Saving the old conf files to /tmp/TCA_conf_files_2.0.0.102
Copying /tmp/PlexStats/*.conf to /tmp/TCA_conf_files_2.0.0.102
cp: cannot access /tmp/PlexStats/*.conf
total 0

## Installing part 1 of 1.
/tmp/PlexStats/S99PLXStats
/tmp/PlexStats/TelicaStatsSrvr
/tmp/PlexStats/Version.txt
/tmp/PlexStats/tsaa
/tmp/PlexStats/tsaa.conf
/tmp/PlexStats/tsds.conf
[ verifying class <util> ]
## Executing postinstall script.
Copying /tmp/PlexStats/tsaa to /opt/PlexDC as tsaaDc
Copying /tmp/PlexStats/tsaa.conf to /opt/PlexDC as tsaa_template.conf

Installation of <TCA> was successful.

The following packages are available:
 1  BTS      Telica BTS application
      (sparc) 6.2.0.0.6
 2  TCA      Telica TSAA application
      (sparc) 2.0.0.108
Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]: q
```

## 5 APPENDIX C: tsaa.conf FILE

Following is the current tsaa.conf file. The letter in the first column indicates when the line was added or changed. Refer to the legend at the end of the table for an explanation.

L	# tsaa configuration file.
	# \$Id: tsaa.conf,v 1.33 2005/08/12 21:25:04 rthornto Exp \$
	# Filename: tsaa.conf
	#
	# This file contains the configuration information for the
	# Telica Statical Analysis Application (TSAA), and should be
	# modified by authorized personnel only.
	#
	Prefix: <b>SwitchName</b>
	Input Directory: tsds_data
	Output Directory: tsaa_ <b>SwitchName</b>
	Log Directory: tsaa_ <b>SwitchName</b> /log
	Percent Blocking: 0.01
A	Peg Count Report: 1
I	Peg Count Report Header: 0
F	ASR Report: 1
A	Hold Time Report: 1
B	SS7 Trkgrp CCS Report: 3
B	Intfcgrp CCS Report: 3
L	ISDN Trkgrp CCS Report: 3
B	CAS Trkgrp CCS Report: 3
C	BICC Trkgrp CCS Report: 3
B	SIP Trkgrp CCS Report: 3
A	GR303 Intfcgrp CCS Report: 3
D	CAS Intfcgrp CCS Report: 3
G	Trsum CCS Report: 3
H	Trsum CCS Header: 1
K	Packet Statistics: 1
J	Line If/Tg Format Type: 0
B	ASCII CDR Report: 1
B	Detailed Peg Report: 1
E	Calculate DN Peg Count: 1
	Busy Hour Granularity: 30
	CCS Granularity Period: 4
	Peg Count Granularity Period: 4
F	ASR Granularity Period: 4
	Hold Time Granularity Period: 4
F	Input Storage Duration: 30
	Output Storage Duration: 30
	FTP To EMS: 0
E	FTP Transfer Interval: 60
	EMS IP Address: remotehost
	EMS Username: anonymous

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EMS Password: SwitchName  
EMS Output Directory: /tsaa\_data

**Legend**

- A Added in TCA version 2.0.0.55. "Delete Used Inputfile" was added in 2.0.0.55 but changed in 2.0.0.68 to "Input Storage Duration: 30"
- B Changed in TCA version 2.0.0.55.
- C Added in TCA version 2.0.0.56.
- D Added in TCA version 2.0.0.63.
- E Added in TCA version 2.0.0.65. "Calculate DN Peg Count" was changed from "Process DN PCR."
- F Added in TCA version 2.0.0.68. "Delete Used Inputfile" added in 2.0.0.55 was changed in 2.0.0.68 to "Input Storage Duration: 30"
- G Added in TCA version 2.0.0.69.
- H Added in TCA version 2.0.0.70.
- I Added in TCA version 2.0.0.72 (v.1.30)
- J Added in TCA version 2.0.0.80 (v.1.31).
- K Added in TCA version 2.0.0.83 (v.1.32).
- L Added in TCA version 2.0.0.93 (v.1.33).