

**Titel:** **CGS\_6.2.4 SW Release Notes**  
Title:

**Dokumenten Typ:** Technical Note  
Document Type:

**Dokumentenklasse:** N/A  
Document Class:

**Klassifikations-Nr.:** N/A  
Classification No.:

**Dokumentenkategorie:** N/A  
Document Category:

**Konfigurations-Nr.:** 1130992  
Configuration Item No.:

**Produktklassifizierungs-**  
**Nr.:Classifying Product Code:** N/A

**Freigabe Nr.:** N/A  
**Release No.:**

**Bearbeitet:** S. Marz  
Prepared by:

**Org. Einh.:** TE55 **Unternehmen:** EADS ST  
Organ. Unit: Company:

**Geprüft:** J. Bitomsky  
Agreed by:

**Org. Einh.:** TE5Q **Unternehmen:** EADS ST  
Organ. Unit: Company:

**Genehmigt:** J. Frank  
Approved by:

**Org. Einh.:** TE55 **Unternehmen:** EADS ST  
Organ. Unit: Company:

**Genehmigt:**  
Approved by:

**Org. Einh.:** **Unternehmen:**  
Organ. Unit: Company:  
Agency:

---

**Attribut-Liste/List of Attributes**

---

**Vertrags Nr.:**  
Contract No.:

**Dokument Ref.Nr.:**  
Document Ref.No.:

**Lieferbedingungs Nr.:**  
DRL/DRD No.:

**Seitenzahl Dokument-Hauptteil:** 2  
Pages of Document Body:

**Schlagwörter:**  
Headings:

**Erstellungssystem:** Word 97  
S/W Tool:

CGS SW Release Notes

**Kurzbeschreibung:**  
Abstract:

This document issue provides the description of the CGS SW release 6.2.4 (engineering release for qualification purpose) based on CGS 6.2.3 release.

**DCR Daten/Dokument-Änderungsnachweis/Data/Document Change Record**

<b>Überarbeitung Revision</b>	<b>Datum Date</b>	<b>Betroffener Abschnitt/Paragraph/Seite Affected Section/Paragraph/Page</b>	<b>Änderungsgrund/Kurze Änderungsbeschreibung Reason for Change/Brief Description of Change</b>
2/-	30.04.2004	All	Initial release (6.2.0)
2/A	13.05.2004	All	Bug Fixes (6.2.0.1)
2/B	07.07.2004	All	Extended Functionality for Aeolus (6.2.1)
2/C	27.08.2004	All	Extended UCL Debugger Functionality (6.2.2)
2/D	10.09.2004	All	Bug Fixing for 6.2.2
2/E	22.09.2004	All	Bug Fixing for 6.2.2
2/F	15.10.2004	All	Bug Fixing for 6.2.2
2/G	22.10.2004	All	Final version for 6.2.2 (B14)
2/H	17.12.2004	All	version for 6.2.3 (B15)
2/I	28.01.2005	All	version for 6.2.3 (B18)
3/-	11.02.2005	All	version for 6.2.3 (B20)
4/-	18.02.2005	All	Final version for 6.2.3
5/-	11.02.2005	All	version for 6.2.4 (B21)
6/-	22.04.2005	All	Final version for 6.2.4

## Table of Contents

<b>1</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Identification and Scope.....	1
1.2	Purpose.....	2
1.3	Document Layout.....	2
<b>2</b>	<b>APPLICABLE AND REFERENCE DOCUMENTS .....</b>	<b>3</b>
2.1	Installation Manuals .....	3
2.1.1	Software Release Order .....	3
2.2	User Manuals.....	3
2.3	Reference Manuals.....	3
2.4	Requirements Specifications .....	3
2.5	Design Documentation.....	3
2.6	Interface Definitions .....	3
<b>3</b>	<b>RELEASE OVERVIEW.....</b>	<b>4</b>
3.1	CCU Version Identification.....	4
3.2	Integrated Products.....	4
3.3	Release Media & their Contents .....	5
3.4	Identification of the Generation and Test Environment.....	5
<b>4</b>	<b>SW RELEASE STATUS.....</b>	<b>6</b>
4.1	Release Status.....	6
4.2	Commercial Baseline .....	6
4.3	Compatibility Statement .....	6
4.4	New or Updated Components.....	6
4.5	New features in CGS_6.2.4 .....	7
4.6	SW Problem Status.....	11
4.6.1	SPR Status and Impact Analysis .....	11
4.6.2	Temporary fixed Problems.....	13
4.6.3	Further Open Problems .....	13
4.6.4	Known Restrictions .....	13
4.7	Test Status.....	13
<b>5</b>	<b>INSTALLATION PROCEDURES .....</b>	<b>15</b>
5.1	Complete Installation .....	15
5.2	Patch Installation (based on CGS 6.2.3).....	15
5.2.1	Needed passwords .....	15
5.2.2	Installation steps .....	15
<b>6.</b>	<b>ACRONYMS .....</b>	<b>17</b>

## 1 Introduction

### 1.1 Identification and Scope

This document is the CGS\_6.2.4 SW Release Notes. The release is identified by document CGS SRO [AD 2.1.1].

CI Name : CGS SW

CI Number : 1130992

CI Variant : 6.2.4

## 1.2 Purpose

The purpose of this software release is a delivery to CGS AIV to qualify it.

## 1.3 Document Layout

This document has the following layout:

**Chapter 1** provides the document identification and identifies under which CI this document is prepared. It also identifies the next higher level component CI. Chapter 1 also provides an overview of the purpose of the document and the overall document structure.

**Chapter 2** provides the list of documents which are applicable or are referenced.

**Chapter 3** provides an overall description of the release. Thus in this chapter all SW products being integrated are listed including the temporary fixes necessary to run the SW. This chapter also provides the identification of CCU versions being used for the SW product integration (if any).

**Chapter 4** provides an overview of the release status. This includes a statement on the current test status and the identification of SPRs being fixed with this release.

**Chapter 5** provides the installation instruction for the CGS SW.

**Appendix A** provides a list of abbreviations being used

**Appendix B** provides a list of terms being used in a certain sense.

**Appendix C** provides the file listing of the delivery.

## 2 Applicable and Reference Documents

### 2.1 Installation Manuals

CGS-RIBRE-SUM-0002: CGS Installation Manual, Issue 2/-, 12.09.2003

#### 2.1.1 Software Release Order

CGS-RIBRE-SRO-0006: CGS Software Release Order, Issue 6/- 22.04.2005

### 2.2 User Manuals

CGS-RIBRE-SUM-0001: CGS User Manual, Issue 3/1, 15.10.2004  
COL-RIBRE-MA-0030-00 MDA Introduction Manual, Issue 3/B 4.4.1997  
CGS-RIBRE-SUM-0003 MDA Reference Manual, Issue 01/B 23.09.2004  
COL-RIBRE-MA-0018-00 MDA Administration Manual, Issue 4/B 31.03.2000  
COL-RIBRE-MA-0037-00 DADIMA Introduction Manual, Issue 3/- 4.4.1997  
CGS-RIBRE-SUM-0005 DADIMA Reference Manual, Issue 01/- 09.11.2001  
CGS-RIBRE-SUM-0006 DADIMA Administration Manual, Issue 01/- 09.11.2001  
COL-RIBRE-MA-0046 SID Range Tool Users and Operations Manual, Issue 1/- 15.09.1997  
UM-114-001-ROV GWDU User's Manual and Operations Manual, Issue 1.4, 1999

### 2.3 Reference Manuals

CGS-RIBRE-STD-0001 User Control Language (UCL) Reference Manual, Issue 2/C, 20.02.2005  
CGS-RIBRE-STD-0002 High Level Command Language (HLCL) Reference Manual, Issue 2/ C, 20.02.2005  
CGS-RIBRE-STD-0003 Virtual Stack Machine and I-Code Reference Manual, Issue 2/A, 01.09.2004  
COL-RIBRE-STD-0008 Reference Manual for Crew Procedure Language and Software, Commanding, Issue 1/F, 31.10.2001

### 2.4 Requirements Specifications

CGS-RIBRE-SPE-0001 Columbus Ground System (CGS) Requirement Specification, Issue 2/D, 23.03.2004

### 2.5 Design Documentation

COL-RIBRE-ADD-0006 Columbus Ground System (CGS) Software Architectural Design Document, Issue 4/B, 30.10.1998

### 2.6 Interface Definitions

CGS-RIBRE-ICD-0001 System to CGS ICD, Issue 1/-, 31.01.2002

## 3 Release Overview

### 3.1 CCU Version Identification

This CGS SW Release provides no mission database content.

### 3.2 Integrated Products

In following table all SW components are identified necessary to build this release of the CGS SW.

- CGSI
- CLS
- DBS / Command History
- GWDU
- HCI
- MDA / CGS\_MBD\_V6\_2\_0
- TES
- TEV
- TSCV
- TSS
- CGS\_API



### 3.3 Release Media & their Contents

The VTC SW System is delivered on a as being identified in Table 1.

<b>Data Carrier ID</b>	<b>Title / Contents</b>	<b>Receiver</b>
CGS-RIBRE-DC-0114	CGS_6.2.4 (Master)	Dcc
CGS-RIBRE-DC-0115	CGS_6.2.4 (Backup)	CGS CM
CGS-RIBRE-DC-0116	CGS_6.2.4 optional (Master)	Dcc
CGS-RIBRE-DC-0117	CGS_6.2.4 optional (Backup)	CGS CM
CGS-RIBRE-DC-0118	CGS_6.2.4 Test SW (Master)	Dcc
CGS-RIBRE-DC-0119	CGS_6.2.4 Test SW (Backup)	CGS CM

Table 1 : Identification of Data Carriers

This delivery contains online documentation only.

### 3.4 Identification of the Generation and Test Environment

The CGS SW Generation environment is described in chapter 5 of the release notes of ref. [AD 2.1].

This version is internal identified by PDB checkpoint CGS\_6.2\_B23.

## 4 SW Release Status

### 4.1 Release Status

The release status as defined by the SRO [AD 2.1.1.] is:  
ENGINEERING RELEASE

### 4.2 Commercial Baseline

- ✓ Suse Linux Enterprise Server 8 / ServicePack3
- ✓ Oracle 9.2.0.5
- ✓ Gipsy 4.2.2 based on glibc 2.2 (with patch for call pr-3437)
- ✓ Dataviews 9.9
- ✓ CGS API with gnat 5.0.2a
- ✓ CIS CORBA Server with OrbRiver for Ada (CORBA 2.5, GIOP 1.2)

This CGS SW release shall be executed on Intel PC with SUSE Linux Enterprise Server 8 (SLES8) based environments.

### 4.3 Compatibility Statement

The software is based on CGS 6.2.3.

Due to the new privileges concept in CGS, some of the system library procedures are guarded. For compatibility reasons to earlier versions like CGS 5.1.1 (usage of generated UCL user library sources, ...) the user is able to remove all key words '*guarded*' in the delivered CGS UCL system library sources without loss of functionality (except the checking of privileges).

### 4.4 New or Updated Components

All software components are updated.

## 4.5 New features in CGS\_6.2.4

What's new in CGS\_6.2.4 (in different to CGS 6.2.3)?

### 1. CGS BASELINE

- CGS is use now Gipsy 4.2.2 based on glibc 2.2

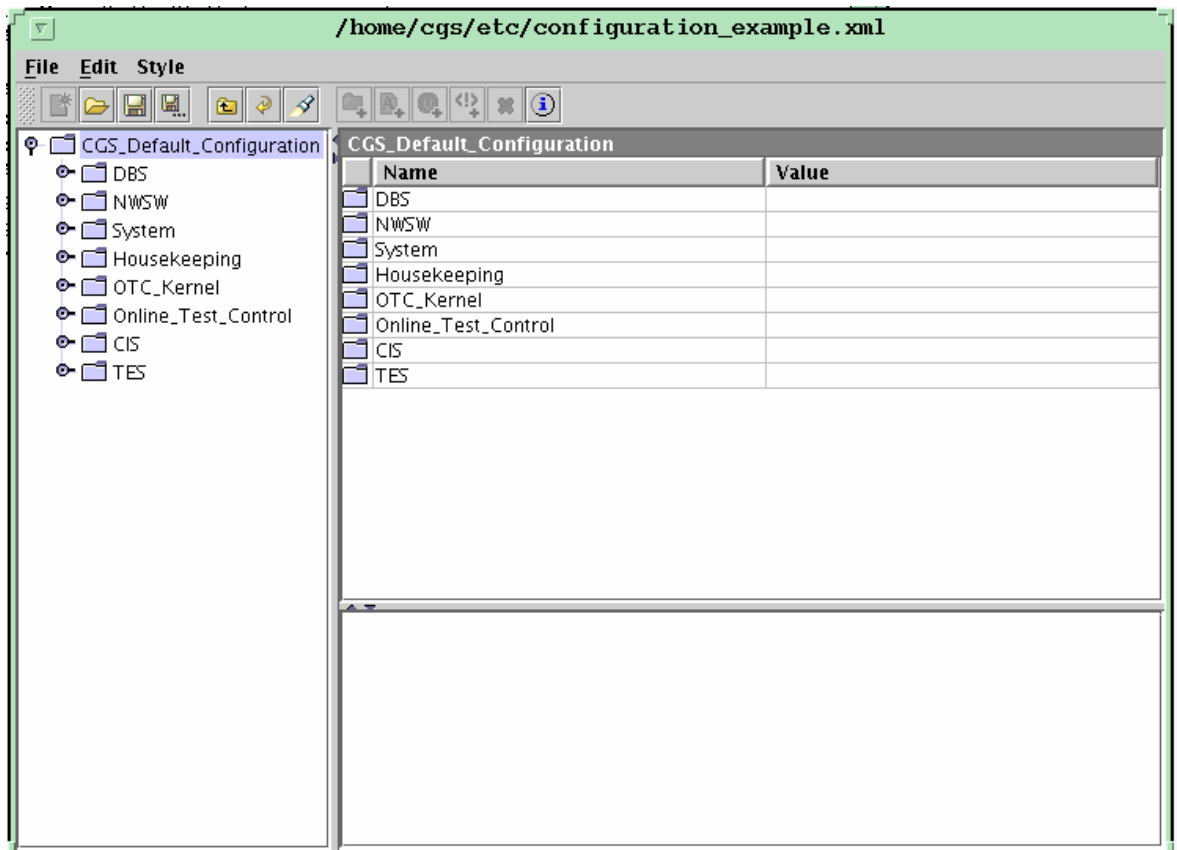
### 2. CGS CONFIGURATION

- The configuration for the products HCI, CIS and TES has been changed. They are using now a common configuration file, which can be changed by graphical means.

✓ `$CGS_HOME/gsaf/config/bin/configuration_editor [-admin] <File>`

example: `$CGS_HOME/gsaf/config/bin/configuration_editor  
$CGS_HOME/etc/configuration_example.xml.`

This file contains the CGS default configuration for documentation purposes.



Remark: The entries and changes in the configuration\_editor must be confirmed with <Enter>

- CGS provide a converter to convert the old configuration files into the new one. The current actual settings in `$CGS_HOME/etc`, `$CGS_HOME/local/config` and

\$HOME/.cgs/config for configuration files cis-properties.xml, otc-properties.xml and TES\_CONFIG\_FILE will be converted during installation of CGS.

- CGS provide a general script to convert different product configuration files into one or special executables for the different products.

✓ \$CGS\_HOME/gsaf/cgsi/bin/util/common/convert\_config\_files.sh

Usage: convert\_config\_files.sh -cis <cis\_config\_file\_name> | -hci  
<hci\_config\_file\_name> | -tes <tes\_config\_file\_name> <config\_file\_name>

✓ \$CGS\_HOME/gsaf/cgsi/bin/linuxi/tes-convert\_tes\_props\_to\_cgs

Usage: convert\_tes\_props\_to\_cgs <file\_to\_convert>  
<new\_configuration\_file> | -help | -list  
file\_to\_convert - the file you want to convert  
new\_configuration\_file - the file you want to merge to, or a new  
file  
-help - print help text  
-list - list the old and new config parameter  
names

✓ \$CGS\_HOME/gsaf/cgsi/bin/linuxi/otc-convert\_otc\_props\_to\_cgs

Usage: otc-convert\_otc\_props\_to\_cgs <otc-properties.xml>  
<configuration.xml> [cis|otc]

- Due to using of delivered style sheet \$CGS\_HOME/etc/configuration.xsl the configuration can be visualized in a browser.

### 3. UCL NICKNAME STRING CONVERSIONS

- Now it is possible to print out the nickname (alias name) of a pathname variable in UCL/HLCL (see section 4.9.4.3 of UCL RM 2/C)

✓ pathname string (Path\_Variable) -> \some\path\name

✓ alias string (Path\_Variable) -> xyz (if xyz is the database alias of  
\some\path\name)

### 4. SYSTEM LIBRARY PROCEDURE LOAD\_UCL IS OBSOLETE

- The ground\_library system library routine load\_ucl is obsolete. A TES error message like

✓ UCL\_Load not implemented

UCL system library routine UCL\_Load not implemented, use UCL Browser in  
Online Test Control instead!

will appear during usage. In HLCL the UCL\_RETURN status 103 will appear:

✓ HLCL: LOAD\_UCL \ABC\XYZ

STATUS = 103

HLCL: put status\_string(103)

NOT\_IMPLEMENTED: Addressed procedure/function is not yet implemented in  
the executing software.

### 5. IMPROVEMENT FOR PROCESS CONTROL IN TSCV

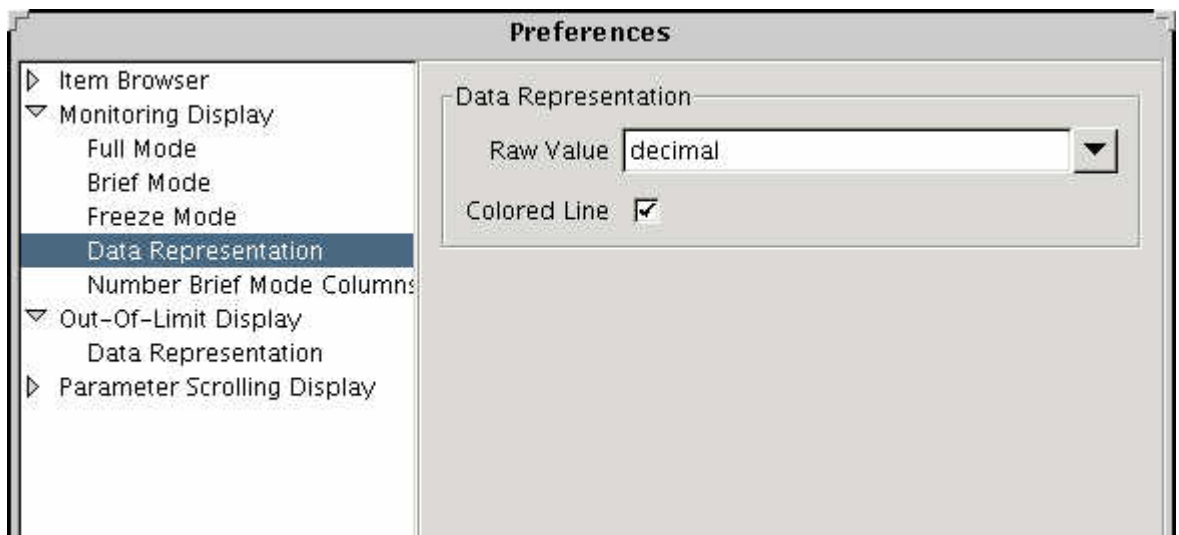
- The status information for TES, HCI and CIS in the TSCV main window has been improved. A process to process communication was established, so the displayed status information are up to date and correct now. The update interval is configurable in \$CGS\_HOME/etc/tscv\_configuration\_file.dat with parameter NODE\_STATUS\_UPDATE\_INTERVAL. The recommended value is each 5 seconds.

## 6. CIS USE HOSTNAME INSTEAD OF IP ADDRESS IN GENERATION OF IOR

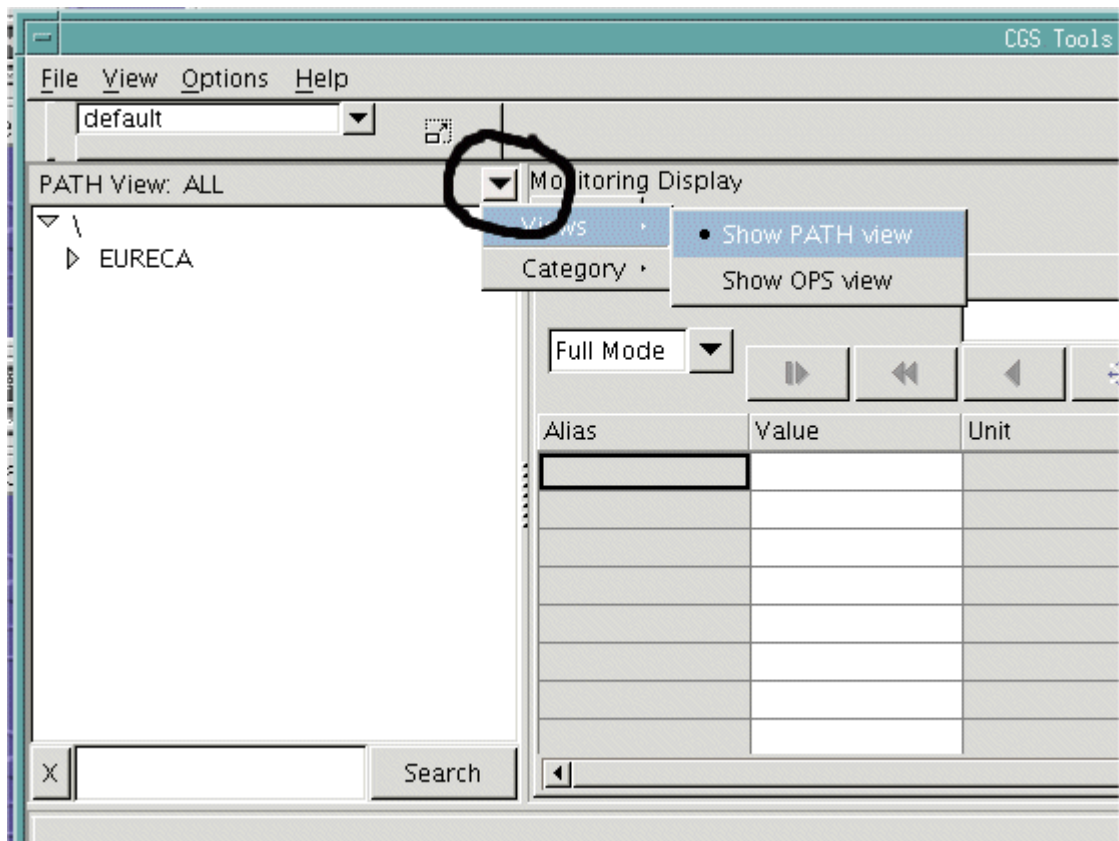
- The CGS interface server (CIS) is using for the IOR generation the hostname per default instead of the IP address. This configuration can be changed by CGS configuration parameter CIS.CorbaInterface.IIopUseHostnames (see point 2 of this section).
  - ✓ CIS.CorbaInterface.IIopUseHostnames = TRUE => use hostname = Default
  - ✓ CIS.CorbaInterface.IIopUseHostnames = FALSE => use IP

## 7. IMPROVED CONFIGURATION OPTIONS FOR CGS TOOLS

- It is possible to reconfigure the CGS Tools Monitoring Window and / or Out of Limit Display, that only the value field is coloured in case of monitoring limit violations (part 1 of SPR 16593).
  - ✓ To select coloring of the engineering value only, select Options/Preferences... on CGS Tools. On the Preferences dialog, select Monitoring Display/Data Representation and uncheck the Colored Line box. Same applies for Out-Of-Limit Display.



- ✓ The preferences for Keymap and View Options are now directly below "Item Browser" instead of having their own items (see marked selection button).



## 8. IMPROVED COMMAND HISTORY OUTPUT

- It is possible to control the command history remotely to have more debug output or statistics information. For this, it is necessary to install dbs from the optional CD before (see installation steps 5.2.2). The remote control script is named `command_cmd_history.csh` in the directory `$CGS_HOME/gsaf/dbs/util/common/command_history` after installation. A description of available commands is in the README file in same directory.

## 4.6 SW Problem Status

### 4.6.1 SPR Status and Impact Analysis

For this release 53 SPR's are solved.

ID	TITLE
<a href="#">SPR-12308</a>	Missleading parameter name in TES configuration file
<a href="#">SPR-14330</a>	TEV: Exception X_PARMS_DO_NOT_FIT_IN_LANDSCAPE_WIDTH
<a href="#">SPR-14472</a>	Synoptic display not sized to frame in HCI (rarely)
<a href="#">SPR-15618</a>	Memory Leakage for CGS Processes
<a href="#">SPR-15688</a>	HCI and TSCV: One process remains
<a href="#">SPR-16242</a>	Digits graph incorrect after Edit->Value
<a href="#">SPR-16469</a>	UCL Compiler: FATAL_ERROR when using Min function
<a href="#">SPR-16533</a>	Error during parallel HLCL sequence execution
<a href="#">SPR-16573</a>	Performance problem when displaying synoptic
<a href="#">SPR-16577</a>	AP start from HLCL too slow
<a href="#">SPR-16593</a>	JOTC Monitoring Window: Improvements
<a href="#">SPR-16603</a>	Warm start failed with 'corrupted item' message
<a href="#">SPR-16717</a>	Cannot quit TSCV after CGS shutdown
<a href="#">SPR-16756</a>	Consistency check for uniqueness of Activity ID within an activity block not working
<a href="#">SPR-16794</a>	TEV: Constraint_Error from 'Listing in one shot'
<a href="#">SPR-16797</a>	'TSS Error' at begin of replay session
<a href="#">SPR-16843</a>	TEV: 'Too long filename' message for empty list of files
<a href="#">SPR-16904</a>	Misleading cursor shape
<a href="#">SPR-16929</a>	PCS_COMM error: UNABLE_TO_RESOLVE_ENVIRONMENT_VARIABLE
<a href="#">SPR-100005</a>	HCI display stacking order not correct in synoptics.
<a href="#">SPR-100026</a>	Command history retrieval performance
<a href="#">SPR-100027</a>	Command history retrieval performance
<a href="#">SPR-100032</a>	Incorrect CSV Files
<a href="#">SPR-100036</a>	CMd History access failed after Client Reboot
<a href="#">SPR-100042</a>	Synoptic Display: Initial Refresh Problem
<a href="#">SPR-100050</a>	install_user script for CGS V6 limitation
<a href="#">SPR-100058</a>	Wrong C format string for text dynamic.
<a href="#">SPR-100059</a>	AP scope info not updated during reload
<a href="#">SPR-100075</a>	Monitoring window shows incorrect limit sets
<a href="#">SPR-100082</a>	LAYOUT_ERROR raised during CIS shutdown
<a href="#">SPR-100104</a>	Manual Stack (MCS Tools) cannot connect to Command History
<a href="#">SPR-100110</a>	CIS not terminated when switching user (Holzmichl strikes again)
<a href="#">SPR-100111</a>	CIS logfile not accessible as fct user - startup failed
<a href="#">SPR-100115</a>	mcs-dbs error and warning messages, commanding after CS failover.
<a href="#">SPR-100116</a>	I_MDB import fails in case of different MDB versions

- [SPR-100121](#) Entries in CMD History Report not ordered correctly
- [SPR-100126](#) The upgrade from CGS 4.5 to CGS 6.2 fails for SWEUs
- [SPR-100128](#) Out-of-date items after CLS batch compile
- [SPR-100142](#) Session.UnregisterService not working
- [SPR-100144](#) MTL node filter not handled correctly
- [SPR-100154](#) NWSW doesn't reuse file-descriptors in case of connection problems
- [SPR-100160](#) vicos\_cis crashed/terminated on the mcs-ctm - new problem with same behaviour
- [SPR-100161](#) CIS: new Corba & TGX error ... CIS terminated on client
- [SPR-100163](#) CIS to use hostname instead of ip address in generation of IOR
- [SPR-100164](#) TEV does not delete temporary Files
- [SPR-100176](#) Replace CGS Tools logo by new CGS logo
- [SPR-100177](#) Status Flags are overwritten by value in synoptic displays
- [SPR-100182](#) CIS constraint error when requesting more than 900 items
- [SPR-100185](#) CIS crash during TP60
- [SPR-100186](#) ORACLE error during INIT\_EXECUTION\_SESSION
- [SPR-100208](#) CommandHistory does not set LAST\_FILE flag
- [SPR-100214](#) CGS Tools monitoring window does not refresh all occurrences of end-items in display
- [SPR-100245](#) CGS Tools doesn't start



#### 4.6.2 Temporary fixed Problems

- SPR-16944

Problem:

The UCL system libraries BINARY\_FILE\_IO and TEXT\_FILE\_IO provide direct file i/o to the CGS users. A file (opened via CGS/TES) keeps open even if the AP (which has opened the file) terminates and the file was not closed properly, e.g., by aborting a running AP. The users cannot re-open or accessing an already opened file. The only way to close files which were not closed properly is to terminate the CGS/TES unix process.

Workaround:

Insert in specification of BINARY\_FILE\_IO and TEXT\_FILE\_IO following lines:

```
-----  
-- CONSTANTS  
-----  
  
constant HANDLE_IN_USE : UCL_RETURN := 200;  
  
-- temporary solution for SPR-016944  
-- This return values is given for procedure open, create or append,  
-- if this file was already opened and the handle may be in use.
```

After the changes recompile all depend sources. The procedures open, create or append return status 200 (HANDLE\_IN\_USE), if the named file was already opened and the returned handle may be in use. This is a temporary fix only to overcome the lost handles during UCL-AP crashes.

Remark: It is not guaranteed, that this constant will be useable in future versions.

#### 4.6.3 Further Open Problems

- performance of executing HLCL sequences or starting of UCL automated procedures  
If the performance of executing HLCL sequences in HLCL command windows or synoptic displays or starting of UCL automated procedures slower than you are expected try to change a configuration parameter.

```
insert in $CGS_HOME/etc/login.sh:  
export CLS_DH_NO_TREE  
CLS_DH_NO_TREE="TRUE"
```

```
insert in $CGS_HOME/etc/login.csh:  
setenv CLS_DH_NO_TREE TRUE
```

This configuration settings are temporary for this CGS version.

#### 4.6.4 Known Restrictions

- It is not possible to prepare a telecommand (SWOP, FLAP, PUS\_TC, and TC) via CIS, if this telecommand is defined with garded parameters in the parameter lists.

#### 4.7 Test Status

This CGS SW release shall be executed on Intel PC with SUSE Linux Enterprise Server 8 (SLES8) based environments. The test status is CGS - AIV tested.

## 5 Installation Procedures

This software shall be used on Intel PC with SUSE Linux Enterpriser Server 8 (SLES8).

### 5.1 Complete Installation

For a complete installation follow the instructions of CGS installation manual ref. [AD 2.1].

Remark: The actual CGS installation manual is on CD below /<mountpoint>/doc/manual.

### 5.2 Patch Installation (based on CGS 6.2.3)

For a patch installation follow the next instructions:

#### 5.2.1 Needed passwords

- <cgsadmin> (UNIX user)
- <MDB\_ADM> (oracle user)

#### 5.2.2 Installation steps

1. login as <cgsadmin> on DB server host
2. cgs shutdown via task\_selector
3. quit task\_selector
4. terminate the cgs\_daemon  
in shell: killall -9 cgs\_daemon
5. stop command history (on command history server)  
in shell: \$CGS\_HOME/gsaf/dbs/bin/common/stop\_cmd\_history  
in shell: \$CGS\_HOME/gsaf/dbs/bin/common/stop\_central\_distributor
6. Remove obsolete jar files  
in shell: rm -f \$CGS\_HOME/gsaf/cgsi/lib/common/\*
7. install GIPSY 4.2.2
8. insert CGS basic CD CGS\_6.2.4
9. mount CD
10. install all products from CD  
in shell: /<mountpoint>/installer.sh  
  
Select Continue, Continue, Install, -- for CGS  
Previous, TOOLS, Continue, Install -- for TOOLS  
Exit
11. unmount CD
12. register version

- ```
in shell: vit_manager -upd_item cgs VERSION 6.2.4
```
13. insert CGS optional CD CGS\_6.2.4  
**REMARK:** This and the next four steps are optional.
  14. mount CD
  15. install all optional products from CD  
in shell: \$CGS\_HOME/gsaf/config/bin/installer.tcl  
  
Continue  
  
Select for **Installation Source** path /<mountpoint>/gsaf  
  
Continue, Install, -- for CGS optional  
Previous,  
  
Select for **Installation Source** path /<mountpoint>/addon  
  
Continue, Install -- for add-ons (unsupported)  
Exit
  16. unmount CD
  17. register version  
in shell: vit\_manager -upd\_item cgs\_optional VERSION 6.2.4
  18. update the MDB / MDB stored procedures  
in shell:  
  
\$CGS\_HOME/patches/CGS\_6.2.4/patch\_mdb.sh  
  
-- needs ca. 2 minutes  
  
verify output: MDB patch successfully installed  
  
**REMARK:** The next command is only necessary for an update of the internal data structure of the MDB (e.g. new data structure delivery for extended databases (user defined data types)). During initialization all user entries in the flexible tool invocation and flexible reports are deleted.  
  
This command is optional and the usage shall be decided by projects.  
  
\$CGS\_HOME/gsaf/mda/config/mdb/install/admin\_scripts/initialize\_mdb  
  
\$CGS\_HOME/gsaf/mda/config/mdb/install/admin\_scripts/update\_plsql\_stored\_procedures  
  
**REMARK:** The next command is only necessary for a better performance of MDB access.  
  
This command is optional and the usage shall be decided by projects.  
  
\$CGS\_HOME/gsaf/mda/config/mdb/install/admin\_scripts/gather\_mdb\_stats
  19. update your NODE\_STATUS\_UPDATE\_INTERVAL in  
\$CGS\_HOME/etc/tscv\_configuration\_file.dat (recommended value 5)
  20. reboot server and if the server is ready, reboot all clients

## 6. Acronyms

|      |                                   |
|------|-----------------------------------|
| CCU  | <i>Configuration Control Unit</i> |
| CGS  | <i>Core Ground SW</i>             |
| MDBD | <i>Mission Data Base Data</i>     |
| PDB  | <i>Project Data Base</i>          |
| SW   | <i>Software</i>                   |