

Technical Note

Titel:
Title:

Columbus Ground System (CGS) Release Notes V4.5.1

Dokument Nr.: COL-RIBRE-TN-1197
Document No.:

Klassifikations Nr.: 8-QA
Class. Prod. Code:

Ausgabe Nr.: 10
Issue No.:

Ausgabedatum: 18.4.2002
Issue Date:

Überarbeitung: —
Revision:

Überarbeitungsdatum: 18.4.2002
Revision Date:

Liste der zu liefernden Dokumente / Dok.-Anforderungs-Beschreibung (LLD/DAB):
Document Requirements List / Doc. Requirements Description (DRL/DRD):

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1 Identification of Delivery

This delivery contains the necessary files to install updates to the Columbus Ground System (CGS) CI Number 1214 597, in its version CGS_V4.5.1 . PDB checkpoint: CGS_4.5.1.3

The version includes fixes to a number of corrections to overcome problems reported in SPRs (see chapter 2). It also includes some functional extensions (see chapter 6)

The delivery comprises a delta CGS system (Service Release) with the following components:

- o CGSI
- o CLS
- o CSS
- o DBS
- o FWDU
- o GWDU
- o HCI
- o MDA / MDB_V4_5_0
- o NWSW
- o SWES
- o TES
- o TSCV
- o TEV
- o TSS
- o CGS_API

The software has been verified running specific SPR regression testing as well as rerunning a subset of the CGS qualification procedures as described in the Testreport, see chapter 3.7.

2 List of fixed SPRs

2.1 List of SPRs

SPRs **fixed** in this delivery and formally **released**:

<u>ID</u>	<u>TITLE</u>	<u>PRODUCT</u>
SPR-5422	array of WORD parameters treated incorrectly	CLS
SPR-5891	Constrained pathname types as FLAP and LIB-routine para	CLS
SPR-6352	Provide CCU Freeze and unfreeze functionality in SDDF	CGS
SPR-6381	FWDU – Pathnames are lost in LIST & MENU DFDs	FWDU
SPR-6852	can't compile AP	CLS
SPR-7231	Over enthusiastic checking of point-pair calibration	MDA
SPR-7455	After BDE export/import synoptics do not work	GWDU
SPR-7800	Communication Problems	CGS
→ The remaining fixes (internal wrap ups) have only been included in CGS Version 5		
→ For CGS Version 4.5.1, however, the problem can also be considered as closed.		
SPR-7912	Workstation HCI has no visibility of testnode	CGS
SPR-8311	MDB Report: CCU_VERSIONS_REPORT failure	MDA
SPR-8399	Coupling between Synoptics and Enditem Definitions	GWDU
SPR-8428	CDU deifference report does not detect changed date/time within one day	MDA
SPR-8471	UCL Batch Compile didn't Store I-Code in MDB	CLS
SPR-8821	MDA: No CLS Batch Compile when missing BDE temporary SID Range	MDA
SPR-8843	C SWEU/SWRU load functions ignore the MDB ownership concepts.	SWES
SPR-8844	CGS load SWRU/SWEU in batch mode not usable	SWES
SPR-8872	DDED: API_SET_STATUS_ERROR	MDA
SPR-8900	FWDU – different behavior of DFDs with edit_cmd_popup	FWDU
SPR-8901	FWDU – loss of onboard commands	FWDU
SPR-8902	FWDU – unexpected behavior of select list DFD	FWDU
SPR-8935	Waste of disk space	TEV
SPR-8936	FWDU: Select list DFD commands mixed and/or lost	FWDU
SPR-8939	TEV: Old User Manual Displayed	TEV
SPR-8949	TEV: Statistics Generation fails when disk is full	TEV
SPR-8991	No error status returned from DBS	DBS
SPR-9024	UCL extension: statecode null value (\$\$)	CLS
SPR-9032	Pathname dependencies not recognized by CLS Editor	CLS
SPR-9150	Derived Parameter: incorrect i-code after I_MDB copy-paste	MDA
SPR-9242	Missing data information	CLS
SPR-9387	BDE-CEI/I_MDB: End item naming constraints different	MDA
SPR-9388	Missing batch compile function for ground synoptic displays	GWDU
SPR-9457	Complete Message hidden in I_MDB window	MDA
SPR-9502	Null pathname not stored into MDB aggregates	MDA
SPR-9524	HCI: Synoptic display does not inherit default testnode from HLCL command window	HCI
SPR-9543	The selected execution session is not selected	TEV
SPR-9613	CPL scripts: compilation fails for comparisons containing state code values	CLS
SPR-9649	Missing functions for TRDB archive/export tools	DBS
SPR-9671	dbb_central_exec : semop: REQUEST: Invalid argument	DBS
SPR-9681	TSCV: Strange Refresh Operation	TSCV
SPR-9699	Lot of errors for FA when closing test session	DBS
SPR-9754	BDE out data file generation	MDA
SPR-9816	TES is hanging after opening a synoptic picture	TES

SPR-9818	Session exported to non selected device	DBS
SPR-9836	Exception Constraint_Error/Numeric_Error in p_data_processor	TES
SPR-9842	Deadlock during Withdraw ADU Services	TES
SPR-9846	Unable to retrieve automatic final archived test sessions	DBS
SPR-9847	Manual final archiving of some test sessions not possible	DBS
SPR-9862	I_MDB: Copy/Move should reset compilation status for CLS end items	MDA
SPR-9932	Failed to setup test node in simulation mode	TES
SPR-9969	Selecting DFD causes FWDU crash	FWDU
SPR-9987	I_MDB crash when leaving aggregate window	MDA
SPR-9990	New CC: missing error messages in Post Processor	MDA
SPR-9991	New CC: wrong details shown for error message in postprocessor	MDA
SPR-9993	Failed to start the Automated Procedure on MTP	TSCV
SPR-10004	CGS consistency check CGS-ERR-102 does not work correctly	MDA
SPR-10007	Could not load SWRU	SWES
SPR-10021	CLS Dependency Handler reports end item to be out of date, but it isn't	CLS
SPR-10027	CLS installation raises error	CLS
SPR-10042	Problem in CSS library installation	CSS
SPR-10108	New CC: no report file without output on screen possible	MDA
SPR-10113	New CC causes delayed working in I-MDB and other input tools	MDA
SPR-10147	New CC crashes when pressing the right mouse button	MDA
SPR-10215	FWDU – wrong pathname in cross reference list	FWDU
SPR-10251	MDA: Unable to Retrieve MAX(LONG_REAL)	MDA
SPR-10253	CLS: Error after System Library Copy/Move	CLS
SPR-10254	CLS: Used Derived Value Item not Compiled with Make	CLS
SPR-10255	CLS: Inconsistent Cross References not Checked	CLS
SPR-10262	CLS: Batch Compile Misses Out Of Date Items	CLS
SPR-10279	Error in "Check MDB Item" function	MDA
SPR-10323	New CC: Chosen item types erroneously evaluated from profile	MDA
SPR-10326	I_MDB crash when deleting used CCU version	MDA
SPR-10349	CC does not select the selected enditem	MDA
SPR-10403	MDA Data API Procedure Convert_CDU behaviour ambiguous	MDA
SPR-10411	CLS: UCL compiler does not accept DURATION as function return type	CLS
SPR-10416	FWDU swallows parameter and causes an error in the LAPAP MCD software.	FWDU
SPR-10417	FWDU enforces an empty parameter list	FWDU
SPR-10437	CLS batch compile/make tool is unable to store	CGS
SPR-10457	CLS editor make mode aborts with unexpected exception	CLS
SPR-10477	internal error: Exception TYPE_ERROR	CLS
SPR-10500	I_MDB: Crash when trying to change ownership of CCU	MDA
SPR-10543	Checks CGS-ERR-10/-77 lead to abort of Consistency Checker	MDA
SPR-10548	Invalid Type Conversion	CLS
SPR-10554	CLS/HLCL: Optional Semicolon Not Always Allowed	CLS
SPR-10596	Multiplied number of end items in ground synoptic displays	GWDU
SPR-10603	No support of local variables, aliases etc in HLCL	CLS
SPR-10681	CLS batch compilation (forced) as CMUSER does not work	MDA
SPR-10714	No support for nested command packets	CGS
SPR-10775	S/W command blocks testnode	CGS
SPR-10802	BDE CEI aborts with end item descriptions of 80 chars length	MDA
SPR-10823	CSS not participating	TSCV
SPR-10849	BDE does not check for consecutive entry numbers	MDA
SPR-10880	Conversion (String of Byte) Failure	CLS
SPR-10961	Difference Report Fails on CCU Comparison (2)	MDA
SPR-10980	Wrong return status for procedure INIT_APPLICATION	TES
SPR-11024	Export problem with splitting paramfile	MDA
SPR-11031	GWDU background colour	GWDU
SPR-11074	Start time of cls editor extremely increased after installation of p. 12	CLS
SPR-11093	CLS Editor unable to work with references outside Owner CDU	MDA

SPR-11149	BDE cannot load NULL enumeration values	MDA
SPR-11232	Change of SMT not recognized by front end equipment	CGS
SPR-11295	Extend CSS functionality implemented for SPR 9675	CGS
SPR-11300	UCL: Wrong code for UNTYPED (parameterized pathname)	CLS
SPR-11325	CLS_Editor Compiler found cyclic reference in up to now perfect AP	CLS

SPRs **partially fixed** in this delivery, and kept **formally open** for next delivery:

<u>ID</u>	<u>TITLE</u>	<u>PRODUCT</u>
SPR-8927	UCL extension: 'string of BYTE'	CLS
SPR-9228	MDA: CCU EI XREF REPORT runs for days on APM configurations	MDA
SPR-9866	Gap in TRDB event log (MetOp NCR 165)	DBS
SPR-9922	TEV does not display GDU's	TEV
SPR-9926	Inappropriate ioctl for device	CGSI
SPR-9978	trace back of SWRU End Items not possible	SWES
SPR-9992	New CC: messages not appearing in the texteditor output in the postprocessor	MDA
SPR-10096	Locking of enditems not complete	FWDU
SPR-10316	install_mdb.exec: "unalias" Used Incorrectly	MDA
SPR-10322	BDE-CU: Unable to create scope	MDA
SPR-10334	'Permission denied' error for recovery scripts after installation of CGS 4.3.1p15	CGS
SPR-10426	missing CGS ICD for CGS 4.5	CGS
SPR-10551	Faulty consistency checker error messages (CGS-ERR-010)	MDA
SPR-10710	CC CGS-77/78 take too long	MDA
SPR-10711	CC CGS-005 takes too long	MDA
SPR-10768	CC CGS-55 takes too long	MDA
SPR-10855	CC aborts during CGS-ERR-005 checks	MDA
SPR-10978	MDBD 6.1.1 on Int1dbs (SIVQ Test Site 1) corrupted	MDA
SPR-11414	Execution of AP which imports library before AP header raises exception	TES

2.2 Covered Quick Patches

Several of the implemented SPRs have been provided as Quick Patches to CGS_4.5.0 already, but are now formally released in this delivery. The following Quick Patches are included into CGS_V4.5.1:

CGS_4.5.0P1 .. CGS4.5.0P16

2.3 List of Issues

Change-Issues implemented in this release.

<u>Status</u>	<u>Author</u>	<u>CHANGE-ID</u>	<u>DATE</u>	<u>SYNOPSIS</u>
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refer to Attachment

3 Documents

3.1 Installation Manuals

COL-RIBRE-MA-0025: CGS Installation Manual, Issue 4/H, 21.06.2001

3.2 User Manuals

COL-RIBRE-MA-0028: CGS User Manual, Issue 2/M, 30.05.2001

COL-RIBRE-MA-0030-00 MDA Introduction Manual, Issue 3/B 4.4.1997

COL-RIBRE-MA-0031-00 MDA Reference Manual, Issue 4/D 26.06.2001

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

COL-RIBRE-MA-0032-00 DADIMA Reference Manual, Issue 4/- 1.9.1997

COL-RIBRE-MA-0036-00 DADIMA Administration Manual, Issue 4/- 1.9.1997

COL-RIBRE-MA-0032-00 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

UM-114-002-ROV FWDU User's Manual Manual, Issue 2.3 , 26.2.2001

3.3 Reference Manuals

COL-RIBRE-STD-0010 User Control Language (UCL) Reference Manual, Issue 4/A, 31.10.2001

COL-RIBRE-STD-0009 High Level Command Language (HLCL) Reference Manual,
Issue 2/B 31.10.2001

COL-RIBRE-STD-0008 Reference Manual for Crew Procedure Language and Software,
Commanding, Issue 1/E, 1998

3.4 Requirements Specifications

COL-RIBRE-SPE-0032 Columbus Ground System (CGS) Requirements Specification,
Issue 6/C, 31.3.1999

3.5 Design Documentation

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

3.6 Interface Definitions

COL-RIBRE-ICD-0069-00 MDB Standard Entities and Application Program Interface,
Issue 4/C, 31.10.2001

COL-RIBRE-ICD-0025-00 System to CGS ICD, 4/C, 31.10.2001
+ IRNs:

COL-RIBRE-IRN-CGS-8134 Issue 1/- Extended GROUND_CMD_TO_OB_LIB

3.7 Testreport

COL-RIBRE-RP-0457 CGS Regression Testreport for CGS V4.5.1,
Issue 1/A, 18.04.2002

4 Installation of the CGS Delivery

4.1 Installation

The installation is to be performed for a Service Release installation.

4.1.1 Install CGS Service Release V4.5.1 by executing the following instructions:

1. Prepare Installation:
 - Ensure all CGS software is shutdown and no user are logged in
 - Passwords needed:
 - cgsadmin password
 - Oracle MDB account password (if default MPS is not used)
2. login as **cgsadmin**
3. insert the CGS delivery CD-ROM, the CD is mounted by the volume daemon to the directory /cdrom
4. Stop CGS by selecting "CGS System Shutdown" from the CGS Task Selector
5. setenv DISPLAY <host>:0 — if not locally logged in
6. **cd /cdrom/cdrom0/CGS_4.5.1SR**
7. **install_cgs_patch**
8. enter all requested inputs

The current GSAF_HOME directory is "Your_GSAF_HOME".

Is this correct (y/n) [y] ? **y**

Install CGS Patch

Please check the whole directory path of the patch location
The generic name is /cdrom/CDROMname/ptNumber

Enter patch location [/cdrom/cdrom0/CGS_4.5.1SR]: **<your_answer>**

Preparing installation of patch CGS_4.5.1

Do you want to save your previous files (yes|no)?[no]:**<your_answer>**

If **<your_answer>** = **yes** then

Please enter the directory for the backup file.

Enter directory [/cgs/gsaf/PatchedFiles]: **<your_answer>**

Compression of the backup tar file saves space on disk.
But during compression a temporary amount of space is needed.

Do you want to compress your saved files (yes|no) ? [no] : **yes**

Saving previous files in "/cgs_user/cgsadmin/CGS_4.5.1.tar"...done.

Compress backup file as "/cgs_user/cgsadmin/CGS_4.5.1.tar.Z"...done.

Installing Patch CGS_4.5.1 to GSAF_HOME ...

Copy files... /
Base installation was successful.

Executing /cdrom/cgs/CGS_4.5.1/postinstall_patch_CGS_4.5.1

Performing post-installation activities for dbs

... trace of post-installation for DBS

Performing post-installation activities for mda

Enter system password:

Enter OWNER NAME of the Oracle MDB account [MPS] <your owner>

Enter OWNER PASSWORD of the Oracle MDB account [MPS] <your password>

... trace of post-installation for MDA

New version of <CSS,FWDU,GWDU,HCI,SWES,TEV,TSCV,TSS> is now registered.

Patch CGS_4.5.1 installation finished.

Please check postinstallation output for errors.

4.1.2 Install CSS Product by executing the following instructions:

The CSS product –if needed – requires specific installation via the install_css script (as CGS administrator user):

1. login as **cgsadmin**
2. cd \$CSS_HOME/util/common
3. install_css

CSS Installation

-- Preinstallation/Installation/Deinstallation product css of version 4.5

Change access rights of files ...

Copy predefined configuration file to CSS config directory ...

This script will increase now on machine <your host> the CPU usage ...
changing <gsaf_home>/css/user-env/cshrc

Now you can work again ...

Installation of Ada Library for sun5

CSS installation succeeded

4.1.3 Remove CD-ROM

4. cd
5. eject
6. logout

4.1.4 Update MDB (for more than one MDB only)

If you have installed more than one MDB, you need to perform an upgrade for each of them. Call for all other MDBs:

\$MDA_HOME/config/mdb/upgrade/upgrade_from_CGS_MDB_Vx_to_CGS_MDB_V4_5_0.sql

5 Post Installation Steps

5.1 MDB Updates

Refer to CGS Installation Manual.

5.2 Install New UCL Libraries / Recompile APs

5.2.1 UCL System Libraries

The **GROUND_TO_OB_LIB** has been updated in this delivery (refer to COL-RIBRE-IRN-8134). The source code of the library is delivered as UNIX file under \$CGS_HOME/config. It has to be replaced in the MDB at all locations, where the onboard library exists. Subsequent compilation of all libraries/APs referencing the library is needed.

The following operations are new for CGS 4.5.1

- BUILD_SW_COMMAND
- ABORT_SW_COMMAND

Library Replacement

The source code for the new version of the libraries must be installed in the database (MDB) and replace any old version of the Library.

As the Library may exist in different locations in your database, it is necessary to search for all locations and replace it everywhere within the MDB. To achieve this, perform the following steps:

1. Start I_MDB Navigator (“Test Preparation” in CGS Task Selector).
2. For each element configuration the following steps shall be done:
3. For each system tree version the following steps shall be repeated as well:
4. In those cases where the Library is part of a frozen CDU, you will have to create a new CDU version first (otherwise the library would be read-only and thus could not be updated). Remember to specify the latest old version of the CDU in the “Copy from CDU Version” field of the “Create new CDU version” window.
5. In those cases where the library has not been frozen, simply replace the old source code by the new, as described below.
6. Navigate to the library end item. You may want to use the File→Direct End Item Access search facility of I_MDB to locate all libraries within a CDU automatically: Simply type UCL_SYSTEM_LIBRARY into the “End Item Type” field of the “Direct End Item Access” window and click on Search

& Edit. The Items list in the lower half of the window then displays all UCL System Libraries in the currently open CDU.

7. Start the CLS Editor by using the “UCL Compiler & Editor...” menu point from the pop-up menu that is displayed after pressing the right mouse button on the library end item.
8. In the CLS Editor, delete the old source code: Click four times (fast) on the source code window pane. This should select the whole source code. (Alternatively: Select first part of source code, scroll to end of the source code and select all with right mouse button). Then press the Cut key or use Edit→Cut from the editor’s pop-up menu.
9. Insert the new source code via File→Include File... pop-up menu point: In the “Text:Include” window enter:
Directory: \$GSAF_HOME/cgs/config
File: ground_to_ob_lib_ucl
10. Now click on the “Include File” button. The new source code is then loaded into the CLS Editor. Then click on Command→Compile button.
11. *N/A: For UCL User Library, switch to ‘body’ and perform step 9 and 10 for the file*
Directory: \$GSAF_HOME/cgs/config
File: N/A
12. After the compilation of the library is finished, click on the Command→Store button of the CLS Editor
13. Quit the CLS Editor.
14. In those cases where the library was part of a frozen CDU: All your CCUs that reference the old CDU need to be changed as well: They should now reference the newly created CDU instead of referencing the old obsolete one. Replace these references now using I_MDB. If the CCUs are frozen, you have to create new CCU versions first.
15. Re-compile all your APs that reference the new system libraries. If your APs are part of a frozen CDU, you will have to copy them into a new CDU version in advance. Otherwise you will not be able to store your recompiled code into the database.
16. Repeat the above steps for all system tree versions.
17. Repeat the above steps for all element configurations.
18. Exit I_MDB.
19. Logout.

Recompilation

All APs and Libraries referring to the a.m. updated libraries need to be recompiled.

5.3 Adaptation of Configuration Files

CGS_4.5.1 allows to enable/suppress error messages for ADU Suspension. The following configuration parameters may be set (additionally) in the \$TES_HOME/config/TES_CONFIG_FILE:

!!

!! (E) Enable/disable the message generation in case of ADU suspend

```
!! to message handler log. Independ of this settings all messages
!! will be logged to TRDB.
!! Range: true/false
!! Recommended value: true
DATA_PROCESSOR.SHOW_ADU_SUSPEND_MESSAGE      4      true
!!
!! (E) Enable/disable the message generation in case of ADU resumed
!! to message handler log. Independ of this settings all messages
!! will be logged to TRDB.
!! Range: true/false
!! Recommended value: false
DATA_PROCESSOR.SHOW_ADU_RESUME_MESSAGE      4      false
```

5.4 Generate SCOE Files

To activate changes in the generation of SCOE files recreate the SCOE files of all CCU with the MDB. Therefore perform following steps:

1. Start I_MDB Navigator ("Test Preparation" in CGS Task Selector).
2. For each element configuration the following steps shall be done:
3. For each system tree version the following steps shall be repeated as well:
4. select the CCU version and navigate to each enditem of type EGSE_TEST_CONFIGURATION.
To simplify this work use the "File"→"Direct End Item Access" window, enter the enditem type EGSE_TEST_CONFIGURATION and press the "Search&Edit" button. All enditem within this CCU of the given type will be listed in the lower part of the window.
5. select the enditems which are used to start the test configuration one by one and select from the pull down menu (with right mouse button) "Tools"→"Generate Scoe Files...". The "LoadSCOE" progress window will appear. Wait until the generation is finished, than press the "Close" button.
6. Repeat the above steps, beginning with step 3 for all system tree versions.
7. Repeat the above steps, beginning with step 2 for all element configurations.
8. Exit I_MDB.

5.5 Recompile SAS

The CGS_API has been modified internally. Especially the underlying Communication Software has been modified. To ensure correct working of the SAS using the CGS_API, all SAS using the **TES_API are required to be recompiled** using the CGS_API delivered with this patch. Refer to CGS Installation Manual.

After installation, the CGS_API library **for Sun** needs to be recompiled. For installation and recompilation procedure refer to CGS Installation Manual, Issue 4/F, ch. 7. Afterwards, the SAS can be recompiled.

6 CGS 4.5.0 to CGS 4.5.1 Compatibility Issues

The following is a description of CGS 4.5.0 to CGS 4.5.1 compatibility and functional extensions implemented in CGS_4.5.1

6.1 New Features in CGS 4.5.1

- Updated Commercial Baseline
- MDB Data Structures
- MDB Interactive Interface / MDA Functions
 - **BDE Output File Creation:** Allow for selection of enditem types / aggregates (SPR-9754)
 - **Consistency Checker** Corrections/ Performance Improvements
 - *(*) "XML Report Generation" Tool provided as Utility for CGS (User definable and printable reports on MDB Contents)*
 - **FWDU Batch / Upgrade Mode**
(Call FWDU for all flight=ht synoptics to re-align with changes made to referenced data)
 - **GWDU Batch Mode**
(Call GWDU for all synoptics to re-align with changes made to referenced data)
 - **CU Based Upgrade** of MDB Data: Allow for single CDU/CCU to be upgraded to a new CGS version
 - New **CU Version Manager** to allow for easy generation of new CDU/CCU versions and for copy of CDU/CCU versions.
- TRDB Improvements
 - **Ask for Label** on Final Archive Media
- Stimuli, TC, SW Commanding
 - New commands **BUILD_SW_COMMAND** and **ABORT_SW_COMMAND**
- User Interface Updates
 - Synoptic Displays **inherit default test nodes** from HLCL windows
- Monitoring / Calibration / Data Processing
 - Additional message when **resuming suspended ADUs** (configurable)
- HLCL/UCL/CPL Language Support
 - **Local Variables** allowed in HLCL Sequences
 - New data types BYTE, LONG_WORD, BYTE_STRING in UCL/HLCL
 - *Note: Implementation is completed: Full functionality in this service release*
 - New NULL-Statecode in UCL/HLCL ("\$\$")
 - *Note: Implementation is completed: Full functionality in this service release*
 - New low level conversion in UCL/HLCL ("UNTYPED")

- *Note: Implementation is completed: Full functionality in this service release*
- Allow imports and declarations in advance to AP declarations
 - *Note: Implementation is completed: Full functionality in this service release*
- Software Development Support
 - SWES Load Interface extended to **load PDB Label** concatenated with **SWOP Executable Name and Checksum** (SPR-9978)
- Test Evaluation
- Simulation Model Execution (CSS)
 - Signal **Running/Stopped Status** to CMAS also **in realtime mode**
- External Interface
 - TES_API: **Bug fixes in the underlying network software** (SPR-9829)
- Major Bug Fixes
 - The **bug fixes** implemented in CGS_4.4.1 to overcome problems in the communication software **during Metop testing at ESTEC** have been included, except for the workaround to store specific messages in a log file on the testnode (instead of sending them to the message handler).
- Removal/Extension of Restrictions

Note: (*) Software is available on a separate “ADD-ON SOFTWARE” CD

6.2 Old Features No Longer Available

6.3 Incompatibilities with CGS 4.5.0 Data

6.3.1 MDB Structures

From 4.5.0, no change has been made in the MDB structures. Some SQL procedures stored in the MDB have changed. This is covered by the installation of the 4.5.1 version.

Note: For upgrading from previous MDB versions specific scripts are provided in \$MDA_HOME/config/mdb/upgrade.

6.3.2 TRDB Structures

There is no change in the TRDB structures in this version.

Appendix A: List of PDB Issues

Change-Issues implemented in this release.

Status	Author	CHANGE-ID	DATE	SYNOPSIS
—P—I—,—	danne	CGS-ENH-149	02/03/25	CGS_4.5.1SR Installation Scripts and Data.
—P—I—,—	volker	CSS-SPR-8005	02/03/15	Monitoring tables etc. lost with each delivery of SIMM
—P—I—,—	ilenz	MDA-SPR-10768	02/03/15	CC CGS-55 takes too long
—P—I—,—	franz	CLS-SPR-11379	02/03/15	INDEX_ERROR when compiling library body
—P—I—,—	werner	TES-ENH-514	02/03/14	Fixed bug in RELEASE_WAIT_EVENT
—P—I—,—	ilenz	MDA-ENH-4529	02/03/14	Performance optimization of CGS-ERR-005
—P—I—,—	marz	TES-ENH-512	02/03/14	correct TES_CONFIG_FILE
—P—I—,—	franz	CLS-SPR-11325.1	02/03/11	CLS_Editor Compiler found cyclic reference in up to now perfect AP
—P—I—,—	danne	HCI-ADP-5	02/03/08	HCI-ENH-350
—P—I—,—	franz	CLS-SPR-11325	02/03/08	CLS_Editor Compiler found cyclic reference in up to now perfect AP
—P—I—,—	franz	CLS-SPR-11300	02/03/07	UCL: Wrong code for UNTYPED (parameterized pathname)
—P—I—,—	werner	CSS-SPR-11295	02/03/07	Extend CSS functionality implemented for SPR 9675
—P—I—,—	athmann	CGS-IRN-8134	02/03/06	New Commands in GRN_CMD_TO_OB_LIB
—P—I—,—	franz	!CLS-ENH-395	02/03/05	Tools update
—P—I—,—	werner	!TES-IRN-8134	02/03/04	UCL Ground Cmd to OB Updates
—P—I—,—	franz	CLS-SPR-11298	02/03/01	CLS Editor: Bad error message if identifier is not imported
—P—I—,—	franz	CLS-SPR-11028.1	02/03/01	CLS Editor: IMPORT fails when using alias
—P—I—,—	franz	CLS-SPR-11028	02/03/01	CLS Editor: IMPORT fails when using alias
—P—I—,—	franz	CLS-SPR-11081	02/02/27	Recursive parameterized pathnames not allowed in UCL
—P—I—,—	ilenz	MDA-SPR-11259	02/02/27	ExcelMDB Tool Read Failure
—P—I—,—	bier	MDA-SPR-11276	02/02/27	bde pathname syntax check does not work
—P—I—,—	ilenz	MDA-SPR-11272	02/02/26	install_mdb: grant select any table is missing for MDB owner
—P—I—,—	marz	TES-SPR-10824	02/02/26	Resume message for Suspend-ADU message missing
—P—I—,—	jstammi	MDA-SPR-11263	02/02/26	I_MDB import does not find import file in home directory
—P—I—,—	franz	CLS-SPR-10624	02/02/22	Wrong i-code generation for UCL case statement
—P—I—,—	franz	CGSI-ENH-600	02/02/22	Spec enhancement of SORT_MERGE
—P—I—,—	ilenz	MDA-SPR-10791.1	02/02/21	Files created trough create BDE Files cannot be imported via BDE !
—P—I—,—	bier	MDA-SPR-11244.1	02/02/21	CU Version Manager: error clicking background of browser
—P—I—,—	ilenz	MDA-SPR-11236.1	02/02/20	BDE failure: aggregate T_PATHNAME_CONSTRAINTS and T_WDU_GR_STATE_CODE_LISTS
—P—I—,—	grotheer	MDA-SPR-9667.1	02/02/19	MDB Check C22 failure (Max Alarm Counter)
—P—I—,—	mata	CLS-ENH-394	02/02/15	tool update
—P—I—,—	ilenz	MDA-SPR-11176.1	02/02/12	Recreate CLS files (i-code-generation) failure: AP-Parameter parameterized pathname
—P—I—,—	franz	CLS-ENH-391	02/02/08	TOOL_SUPPORT: don't support pathnames /.../.../...
—P—I—,—	franz	CGSI-ENH-595	02/02/08	Byte/Char. string conversions moved from Byte_String_Lib to Support_Li- brary
—P—I—,—	volker	GWDU-SPR-9388.1	02/02/08	Missing batch compile function for ground synoptic displays
—P—I—,—	bier	MDA-SPR-11149	02/02/08	BDE cannot load NULL enumeration values
—P—I—,—	franz	CLS-ENH-390	02/02/07	Tools update
—P—I—,—	mata	CLS-ENH-387	02/02/07	tool update
—P—I—,—	volker	GWDU-SPR-11031	02/02/04	GWDU background colour
—P—I—,—	bier	MDA-ENH-4528.1	02/02/01	DADIMA v5.2
—P—I—,—	ilenz	MDA-SPR-11093	02/01/31	CLS Editor/Compiler unable to work with references outside Owner CDU
—P—I—,—	bier	MDA-ENH-4528	02/01/31	DADIMA v5.2
—P—I—,—	dcarl	FWDU-ENH-50	02/01/29	CGS patch CGS_4.5.0P14: FWDU upgrade tool
—P—I—,—	bier	MDA-SPR-11082	02/01/29	CU version manager cannot handle identical item references
—P—I—,—	ilenz	MDA-ENH-4527	02/01/28	Performance optimization of CC_SETUP.REMOVE_CHECK
—P—I—,—	mata	CLS-ENH-381	02/01/24	tools update
—P—I—,—	ilenz	MDA-SPR-10711.2	02/01/21	CC CGS-005 takes too long
—P—I—,—	franz	CLS-ENH-377	02/01/17	Added UCL/HLCL/CPL Reference Manuals
—P—I—,—	jstammi	MDA-SPR-10978.1	02/01/17	MDBD 6.1.1 on Int1dbs (SIVQ Test Site 1) corrupted
—P—I—,—	jstammi	MDA-SPR-10978	02/01/17	MDBD 6.1.1 on Int1dbs (SIVQ Test Site 1) corrupted
—P—I—,—	jstammi	MDA-SPR-11024.1	02/01/17	Export problem with splitting paramfile
—P—I—,—	jstammi	MDA-SPR-11024	02/01/17	Export problem with splitting paramfile
—P—I—,—	svogel	CLS-ENH-374	02/01/17	interpreter
—P—I—,—	franz	CGSI-ENH-590	02/01/16	Correction
—P—I—,—	franz	CLS-ENH-372	02/01/15	Some corrections and enhancements
—P—I—,—	ilenz	MDA-SPR-10802.1	02/01/14	BDE CEI aborts with end item descriptions of 80 chars length
—P—I—,—	franz	CLS-SPR-10989	02/01/14	Internal Error When Setting HLCL Flags
—P—I—,—	marz	TES-SPR-10980	02/01/10	Wrong return status for procedure INIT_APPLICATION
—P—I—,—	franz	CLS-ENH-366	02/01/10	Correction of DB -> UCL type conversion for parameterized types
—P—I—,—	ilenz	MDA-SPR-10498.1	02/01/10	BDE: Virtual Nodes Not Loaded
—P—I—,—	franz	CLS-ENH-365	02/01/09	Correction
—P—I—,—	franz	CLS-ENH-363	02/01/09	Two optimizations (time comparison + UPDATE in COMMAND_PANEL)
—P—I—,—	ilenz	MDA-SPR-10958.2	02/01/09	Difference Report Fails on CCU Comparison (2)
—P—I—,—	franz	CGSI-ENH-586	02/01/07	New UCL user library Byte_String_Lib

—P-I-— marz	TES-SPR-9932	02/01/07	Failed to setup test node in simulation mode
—P-I-— bier	MDA-SPR-10961	02/01/07	Difference Report Fails on CCU Comparison (2)
—P-I-— ilenz	MDA-ENH-5198.1	01/12/21	delete_invalid_data: fixed problem in del_invalid_foreign_key_aggregates.sql
—P-I-— ilenz	MDA-ENH-4526	01/12/20	install_mdb: MDA_PROCS and BDE added
—P-I-— ilenz	MDA-ENH-4525	01/12/20	cp_mda_mdb (preinstall_mda): BDE and MDA_PROCS added
—P-I-— ilenz	MDA-ENH-4524	01/12/20	\$MDA_HOME/oracle_env/get_system_password added
—P-I-— froese	MDA-SPR-10948.1	01/12/19	I_MDB: create (copy from) system tree version fails
—P-I-— ilenz	MDA-ENH-4523	01/12/19	preinstall_mda corrected
—P-I-— froese	MDA-ENH-5185.1	01/12/19	IMDB: Tool invocation for System Tree Version
—P-I-— bier	MDA-ENH-4522	01/12/19	CUVM: fixed problem with scope > 100 CDUs
—P-I-— ilenz	MDA-ENH-4521.1	01/12/18	DADIMA: cp_mda_dadi: load_cgs_standard_agg added
—P-I-— ilenz	MDA-ENH-4521	01/12/18	DADIMA: load_cgs_standard_agg added
—P-I-— franz	CLS-ENH-361.1	01/12/18	Comment for last change added.
—P-I-— franz	CLS-ENH-361	01/12/18	Reference handling corrected, update handling optimized
—P-I-— franz	CLS-ENH-360	01/12/17	Correction to parameter decoding
—P-I-— pesch	CGSI-SPR-9926	01/12/14	Inappropriate ioctl for device
—P-I-— franz	CLS-ENH-359	01/12/13	MDB emulation update: rudimentary nickname support
—P-I-— ilenz	MDA-SPR-10710	01/12/12	CC CGS-77/78 take too long
—P-I-— ilenz	MDA-ENH-4520	01/12/11	bde: fixed target_dependencies2 file
—P-I-— svogel	CLS-ENH-355	01/12/11	interpreter
—P-I-— franz	CLS-SPR-10262	01/12/10	CLS: Batch Compile Misses Out Of Date Items
—P-I-— franz	CLS-ENH-354	01/12/10	MDB emulation update
—P-I-— athmann	MDA-ENH-9846	01/12/06	Check-MDB-Item V4.5.01: SPR-10279 and Reference / Print extensions
—P-I-— pdbcgs	CGS-ENH-119	01/12/05	PDB: new source container mda/cu_version_manager
—P-I-— werner	DBS-ENH-128	01/12/04	Error when creating already existing session
—P-I-— bier	MDA-ENH-4519	01/12/04	CU Version Manager
—P-I-— franz	CGSI-ENH-577	01/12/03	New Time_Library and library correction
—P-I-— franz	CLS-SPR-10880	01/12/03	Conversion (String of Byte) Failure
—P-I-— ilenz	MDA-SPR-10855	01/11/29	CC aborts during CGS-ERR-005 checks
—P-I-— bier	MDA-SPR-10849	01/11/27	BDE does not check for consecutive entry numbers
—P-I-— adt_3	!TSCV-SPR-10823	01/11/27	CSS not participating
—P-I-— bier	MDA-SPR-10322	01/11/27	BDE-CU: Unable to create scope
—P-I-— bier	MDA-SPR-10819	01/11/26	Pathname Support kills GWDU
—P-I-— volker	GWDU-SPR-10819	01/11/23	Pathname Support kills GWDU
—P-I-— ilenz	MDA-ENH-4518	01/11/23	Change cp_mda_dadi
—P-I-— ilenz	MDA-ENH-4517	01/11/23	DADI-MA: version 5.1
—P-I-— ilenz	MDA-ENH-4516	01/11/22	DADI-MA: Add Attribute default and alias
—P-I-— franz	CLS-SPR-9242	01/11/22	Missing data information
—P-I-— athmann	CGS-SPR-10426	01/11/21	missing CGS ICD for CGS 4.5
—P-I-— franz	CLS-SPR-10603.2	01/11/20	No support of local variables, aliases etc in HLCL
—P-I-— ilenz	MDA-ENH-4515	01/11/20	CC: Add CC_PROGRESS and CC_DEBUG
—P-I-— volker	GWDU-SPR-10596.1	01/11/16	Multiplied number of end items in ground synoptic displays
—P-I-— franz	CLS-SPR-10603	01/11/16	No support of local variables, aliases etc in HLCL
—P-I-— volker	GWDU-SPR-10596	01/11/16	Multiplied number of end items in ground synoptic displays
—P-I-— ilenz	MDA-SPR-10342.2	01/11/15	DDED crashes with oracle error
—P-I-— froese	MDA-SPR-10491.1	01/11/14	I_MDB: Badly formed error message
—P-I-— froese	MDA-SPR-10342.1	01/11/14	DDED crashes with oracle error
—P-I-— dcarl	FWDU-ENH-49	01/11/14	FWDU 3.2.8 for CGS 4.5.0P11
—P-I-— bier	MDA-ENH-4514	01/11/14	common MDA tcl and PL/SQL functions
—P-I-— svogel	CLS-ENH-353	01/11/12	new dialog procedures
—P-I-— franz	CLS-SPR-5422	01/11/11	array of WORD parameters treated incorrectly
—P-I-— ilenz	MDA-ENH-4513	01/11/06	CC: performance optimization 1
—P-I-— danne	HCI-SPR-9524	01/11/05	HCI: Synoptic display does not inherit default testnode from HLCL command
window			
—P-I-— grotheer	SWES-SPR-9978	01/11/02	trace back of SWRU End Items not possible
—P-I-— ilenz	MDA-SPR-10681	01/11/01	CLS batch compilation (forced) as CMUSER does not work
—P-I-— jstammi	MDA-ENH-9841.6	01/10/31	P10: CU based upgrade
—P-I-— jstammi	MDA-ENH-9841.5	01/10/31	P10: CU based upgrade
—P-I-— jstammi	MDA-ENH-9841.4	01/10/31	P10: CU based upgrade
—P-I-— jstammi	MDA-ENH-9841.3	01/10/31	P10: CU based upgrade
—P-I-— froese	MDA-ENH-9841.2	01/10/30	P10: Cu based upgrade
—P-I-— jstammi	MDA-ENH-9841.1	01/10/30	P10: CU based upgrade
—P-I-— jstammi	MDA-ENH-9841	01/10/30	P10: CU based upgrade
—P-I-— werner	DBS-SPR-9866.2	01/10/29	Gap in TRDB event log (MetOp NCR 165)
—P-I-— ilenz	MDA-SPR-10316	01/10/26	install_mdb.exec: "unalias" Used Incorrectly
—P-I-— werner	DBS-SPR-9866.1	01/10/25	Gap in TRDB event log (MetOp NCR 165)
—P-I-— franz	CLS-SPR-10554.2	01/10/24	CLS/HLCL: Optional Semicolon Not Always Allowed
—P-I-— franz	CLS-SPR-10625	01/10/18	UCL Compiler Reports Constraint_Error for Invalid Statecode
—P-I-— froese	MDA-SPR-10496.2	01/10/16	Consistency Date on CCUs mis-used / makes BATCH CC processing impossi-
ble			

—P-I-— franz	CLS-SPR-10548	01/10/15	Invalid Type Conversion
—P-I-— franz	CLS-SPR-10554	01/10/15	CLS/HLCL: Optional Semicolon Not Always Allowed
—P-I-— bade	TSS-ENH-43.1	01/10/15	Fixed bug in start_tss_tsp
—P-I-— ilenz	MDA-SPR-10496	01/10/15	Consistency Date on CCUs mis-used / makes BATCH CC processing impossi- ble
—P-I-— froese	MDA-SPR-10592	01/10/12	Wrong used check categories data in CC result file
—P-I-— ilenz	MDA-SPR-10543	01/10/11	Checks CGS-ERR-10/-77 lead to abort of Consistency Checker
—P-I-— svogel	CLS-ENH-352	01/10/02	onboard lib
—P-I-— svogel	CLS-ENH-351	01/10/02	hlcl window
—P-I-— froese	MDA-SPR-10500.1	01/09/27	I_MDB: Crash (STORAGE_ERROR) when trying to change ownership of CCU
—P-I-— franz	CLS-SPR-10021	01/09/24	CLS Dependency Handler reports end item to be out of date, but it isn't
—P-I-— edvin	CLS-ENH-349	01/09/24	Tools update
—P-I-— franz	CLS-SPR-10477	01/09/21	internal error: Exception TYPE_ERROR
—P-I-— bade	!NWSW-ENH-48	01/09/21	Just a TES simulator
—P-I-— ilenz	MDA-SPR-10437	01/09/21	CLS batch compile/make tool is unable to store
—P-I-— franz	CLS-ENH-347	01/09/20	MDB emulation update
—P-I-— franz	CLS-SPR-8927.16	01/09/20	UCL extension: 'string of BYTE'
—P-I-— froese	MDA-SPR-10147.2	01/09/20	New CC crashes when pressing the right mouse button
—P-I-— edvin	CLS-ENH-345	01/09/19	Tools update
—P-I-— volker	GWDU-SPR-7455.3	01/09/18	After BDE export/import synoptics do not work
—P-I-— froese	MDA-SPR-10147	01/09/18	New CC crashes when pressing the right mouse button
—P-I-— froese	MDA-SPR-10349	01/09/17	CC does not select the selected enditem
—P-I-— ilenz	MDA-SPR-10403	01/09/17	MDA Data API Procedure Convert_CDU behaviour ambiguous
—P-I-— franz	CLS-SPR-8927.14	01/09/14	UCL extension: 'string of BYTE'
—P-I-— ilenz	MDA-ENH-4512	01/09/14	together with MDA-ENH-4511
—P-I-— ilenz	MDA-SPR-9862.1	01/09/14	I_MDB: Copy/Move should reset compilation status for CLS end items
—P-I-— franz	CLS-SPR-10411	01/09/13	CLS: UCL compiler does not accept DURATION as function return type
—P-I-— franz	CLS-SPR-8927.12	01/09/13	UCL extension: 'string of BYTE'
—P-I-— franz	!CLS-ENH-342	01/09/12	Tools update for various language extensions
—P-I-— franz	CLS-SPR-8927.10	01/09/12	UCL extension: 'string of BYTE'
—P-I-— danne	HCI-ADP-4	01/09/12	CGSI-SPR-10282
—P-I-— franz	CLS-SPR-8927.8	01/09/12	UCL extension: 'string of BYTE'
—P-I-— dcarl	FWDU-ENH-48	01/09/11	FWDU 3.2.7 for CGS 4.5 QP06
—P-I-— franz	CLS-ENH-340	01/09/11	Tools update for various language extensions
—P-I-— franz	CLS-SPR-8927.6	01/09/11	UCL extension: 'string of BYTE'
—P-I-— edvin	CLS-ENH-338	01/09/10	Check tool
—P-I-— franz	CLS-SPR-8927.5	01/09/09	UCL extension: 'string of BYTE'
—P-I-— franz	CLS-SPR-8927.4	01/09/07	UCL extension: 'string of BYTE'
—P-I-— franz	CLS-SPR-8927.3	01/09/07	UCL extension: 'string of BYTE'
—P-I-— franz	CLS-SPR-10346	01/09/07	HLCL: Internal error in CHECK
—P-I-— franz	CLS-SPR-8927.2	01/09/05	UCL extension: 'string of BYTE'
—P-I-— franz	CLS-SPR-5891.2	01/09/04	Constrained pathname types as FLAP and LIB-routine para
—P-I-— franz	CLS-SPR-5891.1	01/09/03	Constrained pathname types as FLAP and LIB-routine para
—P-I-— franz	CLS-SPR-5891	01/09/03	Constrained pathname types as FLAP and LIB-routine para
—P-I-— franz	CLS-SPR-8927.1	01/09/03	UCL extension: 'string of BYTE'
—P-I-— ilenz	MDA-ENH-4511	01/09/03	performance optimization of table PATHNAME_SID_REL
—P-I-— volker	GWDU-SPR-7455.2	01/08/31	After BDE export/import synoptics do not work
—P-I-— froese	MDA-SPR-10323	01/08/31	New CC: Chosen item types erroneously evaluated from profile
—P-I-— froese	MDA-SPR-10326	01/08/31	I_MDB crash when deleting used CCU version
—P-I-— ilenz	MDA-SPR-7435	01/08/31	CGS/HLCL: Returned statecode type not complete
—P-I-— froese	MDA-SPR-8872.4	01/08/30	DDED: API_SET_STATUS_ERROR
—P-I-— froese	MDA-SPR-9507.5	01/08/29	I-MDB does not allow data maintenace
—P-I-— grotheer	MDA-ENH-9837	01/08/29	ADT_TEST_CONFIGURATION limits
—P-I-— franz	CLS-SPR-8927	01/08/28	UCL extension: 'string of BYTE'
—P-I-— ilenz	MDA-SPR-9754.3	01/08/28	BDE out data file generation
—P-I-— athmann	CGS-ENH-103	01/08/27	New Version of Add-On_Tools (IDE,Reports)
—P-I-— ilenz	MDA-SPR-9150	01/08/27	Derived Parameter: incorrect i-code after I_MDB copy-paste
—P-I-— bade	TSS-ENH-44	01/08/27	Bug fixed in asynchronous SMT notification function
—P-I-— bier	MDA-SPR-9754.1	01/08/27	BDE out data file generation
—P-I-— froese	MDA-SPR-10108	01/08/27	New CC: no report file without output on screen possible
—P-I-— bier	MDA-SPR-9754	01/08/27	BDE out data file generation
—P-I-— volker	GWDU-SPR-7455.1	01/08/24	After BDE export/import synoptics do not work
—P-I-— bade	TSS-ENH-43	01/08/24	PID-file for TSP added
—P-I-— ilenz	MDA-SPR-10251	01/08/24	MDA: Unable to Retrieve MAX(LONG_REAL)
—P-I-— froese	MDA-SPR-9507	01/08/23	I-MDB does not allow data maintenace
—P-I-— ilenz	MDA-SPR-9507.1	01/08/23	I-MDB does not allow data maintenace
—P-I-— ilenz	MDA-ENH-4380	01/08/20	new DADIMA
—P-I-— volker	GWDU-SPR-7455	01/08/16	After BDE export/import synoptics do not work
—P-I-— franz	CLS-SPR-9024	01/08/16	UCL extension: statecode null value (\$\$)

—P-I,—,— edvin	CLS-ENH-323	01/08/16	Implementation for derived values
—P-I,—,— werner	CSS-ENH-121	01/08/14	Invalid CSS versionfile
—P-I,—,— ilenz	MDA-SPR-8311	01/08/14	MDB Report: CCU_VERSIONS_REPORT failure
—P-I,—,— halwick	TEV-SPR-8939.1	01/08/14	TEV: Old User Manual Displayed
—P-I-T,—,— marz	TES-ENH-433	01/08/13	undo previous issue
—P-I-T,Q,— marz	TES-ENH-432		
01/08/13 change target_dependencies2 to see correct versions			
—P-I,—,— halwick	TEV-SPR-8939	01/08/10	TEV: Old User Manual Displayed
—P-I,—,— ilenz	MDA-SPR-9228	01/08/09	MDA: CCU EI XREF REPORT runs for days on APM configurations
—P-I,—,— ilenz	MDA-SPR-8428	01/08/09	CDU deifference report does not detect changed date/time within one day
—P-I,—,— franz	CLS-ENH-322	01/08/09	Tools update
—P-I,—,— franz	CLS-ENH-321	01/08/09	Tools update
—P-I,—,— franz	CLS-SPR-9418.1	01/08/08	GET_APPLICATION_STATUS causes "Internal error" in HLCL and AP/TES
to hang			
—P-I,—,— franz	CLS-ENH-319	01/08/08	Tools update
—P-I,—,— halwick	TEV-SPR-9543	01/08/07	The selected execution session is not selected
—P-I,—,— halwick	TEV-SPR-8949.2	01/08/07	TEV: Statistics Generation fails when disk is full
—P-I,—,— ilenz	MDA-SPR-9387	01/08/07	BDE-CEI/I_MDB: End item naming constraints different
—P-I,—,— werner	DBS-SPR-8991	01/08/07	No error status returned from DBS
—P-I,—,— halwick	TEV-SPR-8935.2	01/08/07	Waste of disk space
—P-I,—,— halwick	TEV-SPR-8949.1	01/08/07	TEV: Statistics Generation fails when disk is full
—P-I,—,— werner	DBS-SPR-9866	01/08/06	Gap in TRDB event log (MetOp NCR 165)
—P-I,—,— franz	CLS-SPR-10027	01/08/06	CLS installation raises error
—P-I,—,— ilenz	MDA-SPR-10113	01/08/06	New CC causes delayed working in I-MDB and other input tools
—P-I,—,— svogel	CLS-ENH-315	01/08/03	onboard library
—P-I,—,— svogel	CLS-ENH-314	01/08/03	confirm
—P-I,—,— werner	DBS-SPR-9699	01/07/31	Lot of errors for FA when closing test session
—P-I,—,— werner	CSS-SPR-10042	01/07/26	Problem in CSS library installation
—P-I,—,— grotheer	SWES-SPR-8843	01/07/26	C SWEU/SWRU load functions ignore the MDB ownership, consistency and
locking concepts.			
—P-I,—,— grotheer	SWES-SPR-8844	01/07/26	CGS load SWRU/SWEU in batch mode not usable
—P-I,—,— werner	DBS-SPR-9649	01/07/26	Missing functions for TRDB archive/export tools
—P-I,—,— adt_2	!CLS-SPR-9570	01/07/19	FWDU rejects software commands with timestamps
—P-I,—,— marz	TES-ENH-428	01/07/18	do not print stop_smt_error
—P-I,—,— werner	DBS-SPR-9847	01/07/18	Manual final archiving of some test sessions not possible
—P-I,—,— volker	GWDU-SPR-9388	01/07/17	Missing batch compile function for ground synoptic displays
—P-I,—,— bade	HCI-ENH-288	01/07/17	Fixed bug in vcs_adt_physical_address
—P-I,—,— werner	DBS-SPR-9671.1	01/07/16	dbb_central_exec : semop: REQUEST: Invalid argument
—P-I,—,— ilenz	MDA-SPR-9992	01/07/13	New CC: messages not appearing in the texteditor output in the postprocessor
—P-I,—,— svogel	CLS-ENH-311	01/07/11	mdb iterate
—P-I,—,— ilenz	MDA-SPR-10004.2	01/07/11	CGS consistency check CGS-ERR-102 does not work correctly
—P-I,—,— ilenz	MDA-SPR-10004.1	01/07/06	CGS consistency check CGS-ERR-102 does not work correctly
—P-I,—,— ilenz	MDA-SPR-10004	01/07/06	CGS consistency check CGS-ERR-102 does not work correctly
—P-I,—,— adt_3	TSCV-SPR-9993.1	01/07/04	Failed to start the Automated Procedure on MTP
—P-I,—,— froese	MDA-SPR-9991	01/07/04	New CC: wrong details shown for error message in postprocessor
—P-I,—,— froese	MDA-SPR-9990	01/07/04	New CC: missing error messages in Post Processor
—P-I,—,— svogel	CLS-ENH-308	01/07/04	deadlock on onboard_lib
—P-I,—,— halwick	TEV-SPR-9922	01/07/04	TEV does not display GDU's
—P-I,—,— froese	MDA-SPR-9987	01/07/04	I_MDB crash when leaving aggregate window
—P-I,—,— svogel	CLS-ENH-306	01/07/03	new onboard library
—P-I,—,— ilenz	MDA-ENH-4382	01/07/02	change of /pdb/cgs/mda/dadi/cp_mda_dadi
—P-I,—,— ilenz	MDA-ENH-4383	01/06/29	New DADIMA tool
—P-I,—,— danne	HCI-ENH-286	01/06/29	Documented proxy attributes
—P-I-T,—,— adt_3	TSCV-SPR-9681	01/06/28	TSCV: Strange Refresh Operation
—P-I-T,—,— danne	HCI-ENH-285	01/06/28	Repaired 4.4 changes of HCI-SPR-9784
—P-I-T,—,— ilenz	MDA-ENH-4384	01/06/28	initialize_mdb: Add execution of user defined initialization procedures
—P-I-T,—,— ilenz	!MDA-ENH-4385	01/06/28	Issue 4/D of MDA User and Operations manual
—P-I-T,—,— marz	TES-ENH-406	01/06/28	undo TES-ENH-405 for 4.5
—P-I-T,Q,— marz	TES-ENH-405		
01/06/28 change target_dependencies2			
—P-I-T,—,— marz	TES-ENH-403	01/06/27	undo TES-SPR-9840
—P-I-T,Q,— marz	TES-SPR-9840		
01/06/27 RPC usage in Error services seems to disturb ADA RTS			
—P-I-T,—,— adt_2	CLS-SPR-9613	01/06/26	CPL scripts: compilation fails for comparisons containing state code values
—P-I-T,Q,— danne	HCI-SPR-9784		
01/06/26 OpenWindows blocks update of synoptics			
—P-I-T,—,— athmann	!CGS-ENH-91	01/06/25	CGS User Manual 2/M for CGS_4.5.0
—P-I-T,—,— athmann	CGS-ENH-90	01/06/22	Align scripts for CD generation of Add On Tools
—P-I-T,—,— athmann	CGS-ENH-89	01/06/22	New version of IDE/Report Generator ("addontools") from A.Grunwald

Appendix B: Open SPRs

SPR-5554	Select more than 1 session in Test Session Maintenance	TSCV
SPR-5568	HLCL does not support subitems of array types	CLS
SPR-6336	HCI is blocked when sending TC with 255 parameters	MDA
SPR-6544	Consistency checker misses out-of-date references	CGS
SPR-6642	Unexpected end of UCL batch compiler	MDA
SPR-6763	HCI crash	MDA
SPR-6784	Integer Value of Integer Definition of EGSE_PREDEFINED_TC	MDA
SPR-7188	FA_SAS tries to write to an unformatted disc (CALL-820)	DBS
SPR-7376	CGS TSCV – Communication break-down not signaled to the operator	TSCV
SPR-7435	CGS/HLCL: Returned statecode type not complete	MDA
SPR-7730	UCL Interpreter: error in INCL and EXCL instructions	CLS
SPR-7745	TSS not configured after CGS installation	TSS
SPR-7764	Monitoring Colour 'soft limited violated' when 'Value=low soft limit'	HCI
SPR-7828	Could not load synoptic (OVERVIEW1).	HCI
SPR-7837	No data maintained by TES_02.	HCI
SPR-7845	NWSW Blocks HCI Process	NWSW
SPR-7848	Could not create a CDU under the system tree	MDA
SPR-7853	After DEVICE_ERROR no system recovery possible	DBS
SPR-7913	Unexpected termination of Online Test Control	HCI
SPR-7940	Used Position Number in Bit Stream Layout must be unique	MDA
SPR-7969	EGSE_PREDEFINED_TC: Missing checks for General Bitstream Layout	MDA
SPR-7989	GWDU ignores defined variable range	GWDU
SPR-8006	Unexpected Exception in HLCL Command window	CLS
SPR-8031	CLS Batch Compiler doesn't report UCL Sources in frozen CDUs	MDA
SPR-8102	Execution time of HLCL commands too long	CGS
SPR-8146	CGS does not work after disconnect/connect the TN LAN	CGS
SPR-8215	CSS garbage collection loops	CSS
SPR-8618	GWDU editor / synoptic display	HCI
SPR-8684	Installation of new Load SW IF incomplete	SWES
SPR-8695	CDI editor for init. CDIs not usable	MDA
SPR-8702	BDE: Logfiles deleted in case of errors	MDA
SPR-8888	MDA export.info file incomplete	MDA
SPR-8932	Select on SMT not working in TEV events logging tool	CGS
SPR-8934	FWDU – wrong MCD title line	FWDU
SPR-8982	BDE tool raises undocumented error messages	MDA
SPR-9012	HLCL Command window hangs	HCI
SPR-9018	UCL Automated Proc. MMI Ext. can not be defined	MDA
SPR-9023	Load SCOE fails if no Console is available	MDA
SPR-9028	TEV_SAS not up to date	CGS
SPR-9031	Errors during Load SCOE	CGS
SPR-9042	SCOE file generator produces lot of errors with new MDBD 5.1.0	MDA
SPR-9051	I_MDB: Changes of the float value format without any reason	MDA
SPR-9091	Installation Manual: Upgrade Procedure, Deinstallation of DADIMA tool	CGS
SPR-9092	Start of test session in TSCV failed due to wrong HP UX configuration	CGS
SPR-9095	Load_Application timeout error	CGSI
SPR-9139	Derived Values: Inconsistent end items	MDA
SPR-9204	P_MDB: MDB_ITEMS.READ_CHILDREN returns a node out of scope	MDA
SPR-9263	HCI blocked during 24 hour test	CGSI
SPR-9296	Not all packet types for commands are allowed	MDA
SPR-9382	GWDU crashes on ULTRA10/Creator3D machine	GWDU
SPR-9404	HCI freezes workstation if HLCL window quit before finished	CLS
SPR-9480	TEV Data Set Generation Problem	TEV
SPR-9490	GWDU: Why is display color of high limit influenced by low limit?	GWDU
SPR-9507	I-MDB does not allow data maintenance	MDA
SPR-9570	FWDU rejects software commands with timestamps	CLS
SPR-9638	Testnode 2 disappears during test	CGS
SPR-9646	EGSE end item of type MONITOR_LIST seems to contain errors	CGS
SPR-9653	TES_API improvements	TES
SPR-9707	Different behaviour of CLS User Libraries when called from AP or HLCL Command Sequence	CLS
SPR-9733	PLCU could not be booted (no FLAPS on MMI)	MDA
SPR-9755	BDE: storage of composite aggregates not allowed	MDA
SPR-9756	BDE: multirecord not deleted	MDA

SPR-9765	Create CCU Version Fails	MDA
SPR-9784	OpenWindows blocks update of synoptics	HCI
SPR-9847	Manual final archiving of some test sessions not possible	DBS
SPR-9919	Monitoring not possible when connecting to a running simulation model	CSS
SPR-9925	wrong access permissions for file opcodes_a	CGS
SPR-9928	Nominal Low Limit monitoring Exception	TES
SPR-9934	CGS daemon not active	CGSI
SPR-9939	time needed for read data from SUN test node greater 1 sec	TES
SPR-9954	Empty confirmation window pops up	CGS
SPR-9970	CPL Parser: Superfluous syntax errors reported	CLS
SPR-10026	FWDU not failsafe against Oracle error	FWDU
SPR-10032	Possible damage of data base?	CGS
SPR-10035	Generic PDB version string in motd	CGSI
SPR-10097	No info when install script is aborted	CGSI
SPR-10133	CGS/CLS: HLCL handles imported variables in a wrong way	CLS
SPR-10137	CLS: UCL does not accept \ for parameterized pathnames	CLS
SPR-10138	Oracle system password missing in inst_a_init_mdb	MDA
SPR-10155	GWDU loose not failsafe against Oracle error	GWDU
SPR-10247	CLS: Error in String Concatenation for Param. Pathname	CLS
SPR-10256	MDA: Cannot Store UCL Items Simultaneously	MDA
SPR-10386	CLS Editor Reports Constraint_Error	CLS
SPR-10409	Conversion to string not working in several cases	CLS
SPR-10428	Connect_To_CSS_UI not implemented	CGS
SPR-10496	Consistency Date on CCUs mis-used / makes BATCH CC impossible	MDA
SPR-10532	CLS: Problems with unitized types with range constraint	CLS
SPR-10568	Filter of CGS message not working correctly	CGSI
SPR-10592	Wrong used check categories data in CC result file	MDA
SPR-10625	UCL Compiler Reports Constraint_Error for Invalid Statecode	CLS
SPR-10651	Predefined function HIGH works only for open structures	CLS
SPR-10654	Multiple reference of a CDU	MDA
SPR-10700	can not use (special) TC in HLCL – segmentation fault	CLS
SPR-10705	access of CC in batch	MDA
SPR-10709	CC CGS-006 takes too long	MDA
SPR-10785	Unreadable information in Multi Records of MDA	MDA
SPR-10810	BDE cannot handle large number of input files	MDA
SPR-10811	BDE uses not writable temporary directory	MDA
SPR-10821	Foolish errormessage	CSS
SPR-10824	Resume message for Suspend-ADU message missing	TES
SPR-10847	MDB Upgrade Script: Hard-Coded Tablespace	MDA
SPR-10848	bde_load does sometimes not report oracle error	MDA
SPR-10868	Compilable FLAP cannot be stored into the MDB	MDA
SPR-10918	MDB Upgrade: Compressed Export	MDA
SPR-10929	Check Tool missing in CGS 4.5	CLS
SPR-10937	FWDU upgrade tool not working properly	FWDU
SPR-10986	CGS 4.5.0 P 10 Patch Grants Privileges Incorrectly	MDA
SPR-10987	compile_invalid_sql_objects.sql: Infinite Loop	MDA
SPR-10998	CSS uses 64 kB for long and long raw values	CSS
SPR-11015	CC Output File Selection: Extension??	MDA
SPR-11053	bde_load/bde_store does not work	MDA
SPR-11259	ExcelMDB Tool Read Failure	MDA
SPR-11263	I_MDB import does not find import file in home directory	MDA
SPR-11272	install_mdb: grant select any table is missing for MDB owner	MDA
SPR-11276	bde pathname syntax check does not work	MDA
SPR-11309	UCL: Wrong code for UNTYPED (scalar)	CLS
SPR-11333	No constraint defined for set_CCSDS_APIID	CGS
SPR-11345	FWDU crash after 'Preview' selection	FWDU
SPR-11373	FWDU Preview – FWDU_SERVER not running	FWDU
SPR-11376	Assignment of minimal integer value not possible in HLCL command window	CLS
SPR-11388	'I-code for User Library not found' message in TSCV	MDA
SPR-11397	HLCL Window Hag-Up	HCI
SPR-11400	GWDU Batch Upgrade not selectable	MDA
SPR-11426	GWDU hangs in endless loop	GWDU

SPR-11428 DDED could not open end items
SPR-11432 FWDU: Unexpected message window
SPR-11441 TES returns an erroneous status after unload_application
SPR-11492 Flex. Reports sort descending does not work
SPR-11495 SWES: Unexpected exception during loading SRWU in batch
SPR-11498 SWES: Process waits

MDA
FWDU
TES
MDA
SWES
SWES

Appendix C: Workarounds for known Problems

[1] COL-RIBRE-SPR-6763

MDA: HCI crash

Description:

Starting an AP from a synoptic button. The AP starts some sub APs. 5 Synoptic pictures will be displayed. At the end of this scenario HCI crashes. A CORE dump is available(int2dbs: ~cgs2dbs/core.hci_crash).

Workaround:

The processes associated with the synoptic continue to work in the background. To start the synoptics go into the CGS Task Selector and restart the Online Test Control tool. The synoptics will automatically come up in the active state.

[2] COL-RIBRE-SPR-7848

MDA: Could not create a CDU under the system tree

Description:

As defined in step TP-4.2.1, it is not possible to create a CDU direct under the system tree.

After the CDU Version Window is opened to create a new CDU version, an error message "Wrong MDB instance" is shown in the footer of the window Create CDU Version.

Checking the instance with

```
select * from t_system_tree_nodes where f_node_name='EURECA';
```

shows the correct MDB-Instance.

Navigating down in the system tree shows, that it is possible to create a CDU at any level in the MDB (but not under the system tree).

The behaviour could be reproduced, also on SIVQ environment.

Workaround:

From SPA:

Open the CDU node via double click on the CDU list item.

[3] COL-RIBRE-SPR-8146

CGS: CGS does not work after disconnect/connect the TN LAN

Description:

In testprocedure COL-SEA-QTP-001-ABT issue 6 step 7.5-64 ff failed.

After disconnect the Lan from the Test Node and reconnect after a time, no CGS operations works (e.g. Stop_acquisition 'enditem'). It looks like the enditem is not known any more by the system.

Workaround:

Call System Advisory Window to reestablish connections to the test nodes.

[4] COL-RIBRE-SPR-9382

GWDU: GWDU crashes on ULTRA10/Creator3D machine

Description:

GWDU started remote (setenv DISPLAY=...) with display on Sun ULTRA10 with Creator 3D graphic adapter.

The GWDU comes up with the nominal screen layout plus an additional window in the middle of the GWDU window titled:

"PaletteExposeCB". Then, three error messages are generated to the console as follows:

<severe>: Can't open the file.

VIfopen: emptyBW.v

<severe>: Can't open the file.

VIfopen: emptyBW.v

The color palette initially comes up blank, with title line 'Index xxx'.

To get the normal palette, the editor window has to be e.g. has to be put into background and then back into the front again.

In addition, during editing a synoptic, the GWDU editor occasionally crashes with 'segmentation fault-core dumped' for no apparent reason

when pressing 'Accept' after editing a display element.

Stack trace from core dump follows:

Core was generated by '/gsaf/gwdu/bin/sun5/GWDU CCU 60000014 60006656 WDU_GROUND_SYNOPTIC_DISPLAY svfb'.

Program terminated with signal 9, Killed.

(gdb) where

#0 0x2f80d8 in VGdgdffarg_value ()

#1 0x94d74 in CloseDgEditCB ()

#2 0x39ae00 in ActivateCommon ()

#3 0x497388 in HandleActions ()

#4 0x497ec8 in _XtTranslateEvent ()

#5 0x47b85c in DispatchEvent ()

#6 0x47bf2c in DecideToDispatch ()

#7 0x47bffc in XtDispatchEvent ()

#8 0x47c324 in XtAppMainLoop ()

#9 0x101900 in main ()

Workaround:

Do not start GWDU on the machine where GWDU is displayed together with the Netscape Communicator!

Before starting the the GWDU, quit all Netscape Communicator processes/tools. The same is valid for the acrobat reader version 3 and 4.

[5] COL-RIBRE-SPR-9638

CGS: Testnode 2 disappears during test

Description:

1) It happened 3 to 4 times during the last 3 weeks that TN2 disappeared during test. The effect has been noticed that sending a command

to CC_Bus2 via TN2 is not possible anymore (no ready message in synoptic display, 'Cannot contact testnode' in HLCL command window).

After starting TSCV window a message window appears:

'Failed to check TSP status on node TN2'

Verifying TSCV window shows 'No contact' for TES_02.

2) Shutting down the complete ETM and the EGSE by APs result in some error messages in message handler 'cannot stop AP' also on other TNs.

Stopping the test configuration with TSCV results in error messages like 'Test node TES_01 rejected the stop request' or 'Failed to stop test on node TES_03'.

Sometimes 2) happened without occurrence of 1).

A complete TSCV and CGS shutdown is now necessary to recover the system. It takes approx. 1,5 hours to get back to the state before the error occurred.

The message handler log file is attached (see apmws8.03-Apr-01.07:49:22.log).

Workaround:

Increase physical memory (RAM) of test nodes to 256 MB as a minimum.
Increase MAXDSIZE parameter for HP_UX.

[6] COL-RIBRE-SPR-9925

CGS: wrong access permissions for file opcodes_.a

Description:

When installing CGS 4.5 using the script install_gsaf, the following error is reported:

```
# cgs/util/common/install_gsaf
```

```
Installation of CGS products [GSAF version 4.4.0]
```

```
=====
```

This script configures the CGS procured products.

CGS is already installed and registered on "18.06.2001 11:47:01 "

Do you want to re-install this product (y/n) ? [n] y

CGS installation

Please wait while copying many files (see "ps -ef | grep cp").....cp: cannot create /export/sivq_cgs/gsaf/opcodes_.a: Permission denied

Verification of the access rights gave:

```
cgsadmin@sivq-dbs] (export/sivq_cgs/gsaf) 67 : ls -al cgs/lib/cgs_api/sun5/EXT_ICD.sun.source_tree/css/kernel/
common_sources/
```

```
total 44
```

```
drwxr-xr-x 2 cgsadmin cgs 512 Jun 18 11:45 .
```

```
drwxr-xr-x 3 cgsadmin cgs 512 Jun 1 17:07 ..
```

```
-r--r--r-- 1 cgsadmin cgs 19956 Jun 18 11:45 opcodes_.a
```

```
[cgsadmin@sivq-dbs] (export/sivq_cgs/gsaf) 68 :
```

Workaround:

The missing access rights for 'write' only affect the removal of the file resp. the re-installation of the CGS_API.

To overcome this problem, change permissions manually before removal/re-installation of the CGS_API:

as user cgsadmin:

```
chmod u+w $CGS_HOME/lib/cgs_api/sun5/EXT_ICD.sun.source_tree/css/kernel/common_sources/opcodes_a
```

[7] COL-RIBRE-SPR-10026

FWDU: FWDU not failsafe against Oracle error

Description:

If the FWDU and GWDU editors are open for some time and some work has been done, and if Oracle crashes or is shut-down, all work of the editors is lost and cannot be saved. Moreover, the user has to kill the applications because they cannot be stopped normally because the error message 'work not yet saved' comes up which is very sarcastic.

Other editors in the CGS range have the possibility to save the work to file system files (CLS, CSS). At least this possibility should be available also in the FWDU and GWDU. Even if a warning is sent e. g. for shutting down Oracle, the saving of a complex FWDU picture lasts about 10 minutes, so that the user has no chance to save the picture in time if a message appears 'Oracle will be shut down in 1 minute'.

The problem arose when Oracle has been shutdown to enable the tracing for performance investigations. Maybe this tracing can be switched on easier on-line.

Workaround:

In case of Oracle problems the user can perform the (failing) save action and afterwards (before killing the FWDU processes) save the ASCII file from the temporary data directory into the permanent \$FWDU_HOME/data directory. When Oracle is available later on the user can use the FWDU import functionality to re-import the display from the file into the database.

[8] COL-RIBRE-SPR-10138

MDA: Oracle system password missing in inst_a_init_mdb

Description:

The automatic installation and initialization program for the MDB inst_a_init_mdb calls the scripts install_mdb and initialize_mdb with the files install_mdb.input and initialize_mdb.input respectively. In the file install_mdb.input, as the last entry, the Oracle system password is missing. Without this system password, the script will cycle in an endless loop. The entry is not only missing in the file, it is also missing in the installation procedure description of this function. All scripts and files are located in the directory \$GSAF_HOME/mda/config/mdb/install/admin_scripts. The installation procedure mentions this in chapter 5.1.6 on page 72.

Workaround:

In the file `install_mdb.input` in `$GSAF_HOME/mda/config/mdb/install/admin_scripts`, add the oracle system password at the end on an own line – amongst all the other edit actions (change the contents of the delivered file to your own needs). After that the script `inst_a_init_mdb` should work as expected.

[9] COL-RIBRE-SPR-11053

MDA: `bde_load/bde_store` does not work

Description:

There are references (possibly hardcoded) in `bde_load` to `$HOME/bde/scripts` and `$HOME/bde/scripts/temp`, even though the environment is set to find the bde software under `$MDA_HOME/util/bde`.

The bde application should reside strictly under `$MDA_HOME`, while the user data should be strictly under `$HOME`.

The following test environment was used.

`buffy 111 % bde_load`

SVF environment set

`BDE_CFG = /homes/svfm2/bde/input/diag_batch_config.dat`

`BDE_CFG_NAME = diag_batch_config`

`BDE_HOME = /homes/svfm2/bde`

`BDE_DATA = /homes/svfm2/bde/input`

`BDE_REPORTS = /homes/svfm2/bde/reports`

`BDE_SCRIPTS = /homes/svfm2/mda/util/bde/scripts`

`BDE_TEMP_DIR = /homes/svfm2/mda/util/bde/scripts/temp`

`CTL = /homes/svfm2/mda/config/mdb/install/dadi_export/bde_control_files`

`DAT = /homes/svfm2/bde/input`

`LOG = /homes/svfm2/bde/reports/sqlloader/log`

`DIS = /homes/svfm2/bde/reports/sqlloader/dis`

`BAD = /homes/svfm2/bde/reports/sqlloader/bad`

logfile output

...

`\ISS\USGS\GV\DIAG\DISPLAYS\RTIOP_02 EntryIncluded`

`diag_batch_config_T_WDU_GR_SYNOPTIC_DISPLAYS_160107080 T_WDU_GR_SYNOPTIC_DISPLAYS`
`PATHNAME`

`\ISS\USGS\GV\DIAG\DISPLAYS\TLS_01 EntryIncluded`

`diag_batch_config_T_WDU_GR_VARIABLE_REF_LISTS T_WDU_GR_VARIABLE_REF_LISTS PATHNAME`

Loader parameter files generated

unable to open file `"/homes/sip4adm/bde/scripts/bde_load.sql"`

Apparently there is a hardcoded reference that looks for scripts in `$HOME/bde/scripts` and also for `$HOME/bde/scripts/`

temp

Workaround is to copy the bde software from \$MDA_HOME/util/bde/scripts/* to \$HOME/bde/scripts to satisfy the missing references.

Workaround:

Workaround is to copy the bde software from \$MDA_HOME/util/bde/scripts/* to \$HOME/bde/scripts to satisfy the missing references.

[10] COL-RIBRE-SPR-11263

MDA: I_MDB import does not find import file in home directory

Description:

Into an empty instance a system tree should be imported. The system tree export file SYS_TREE_V8_MASTER.export was located in the home directory of the executing user. The export attempt was interrupted by the error message
58 : more LOG-020225-4984.imp

Connected to: Oracle7 Server Release 7.3.4.4.0 – Production
PL/SQL Release 2.3.4.4.0 – Production

IMP-00002: failed to open /tmp/imp_5017.SYS_TREE_V8_MASTER.export.0 for read
IMP-00021: operating system error – error code (dec 2, hex 0x2)
Import terminated successfully with warnings.

The file imp_5017.SYS_TREE_V8_MASTER.export.0 existed in the directory /tmp as a link to the file
./SYS_TREE_V8_MASTER.export, which
in turn did not exist.

```
lrwxrwxrwx 1 supervisor cgs 27 Feb 25 14:55 imp_1577.SYS_TREE_V8_MASTER.export.0 ->
./SYS_TREE_V8_MASTER.export
```

There is probably an error if the file is located in the home directory and the user does not enter the full pathname.

Workaround:

The bug does not appear if always the complete pathname of the import file is entered. This is also possible with environment variables, e.
g. \$HOME. Probably the ~ (tilde) is not possible.