Version 4.0.3 (released Version)

Change:

Scroll wheel support for tables

 (activated by default, can be optionally deactivated in Tool32.ini, section [KONFIGURATION]
 with entry NO_SCROLL_WHEEL=1)

Bugfix:

- Run-Time-Errors fixed (RTE 6 and 9)
- When using \$2E jobs after the use of \$2F or \$31 jobs, the arguments for the \$2E jobs now are shown correctly in the "Argument wizard"

Version 4.0.0 (released Version)

Change: none

Bugfix:

• Improved text display when Chinese character set is used

Version 3.9.2 (released version)

Change:

- Argument wizard: multi selection with job STEUERN_LESEN must be selected
- Argument wizard: direct job execution form wizard implemented

Bugfix: none

Remarks:

• Online help actualized and reviewed

Version 3.9.0 (released version, Ediabas package)

Change:

- UDS-Check matches actual ZEDIS conventions (DATA, TEXT; DUMMY_...)
- Testrun now enables jumps to other *.tst files, this enables testruns with more than 15 lines, *.tst files must be in Ediabas ECU directory, put *.tst filename WITHOUT path and extension to column L:Ja or L:Nein
- New pictures in JPG format integrated

Bugfix:

- Error messages in UDS wizard in English
- UDS-Check handles data type BITFIELD in table SG_FUNKTIONEN

Remarks:

• Online help is not actualized

Version 3.8.7 (released version, Ediabas package)

Change: Ediabas help based on CHM files

Bugfix: none

Version 3.8.6 (released version, distribution on GIS)

Change: background picture, Tool32.bmp not required anymore

Bugfix: some minor bugfixes

Version 3.8.2 (Bugfix)

Bugfix: Filling argument fields when opening the argument wizardBugfix: correction of help IDs in help menu, 4k limit for result outputChange: background picture disappears after click and does not "move away" anymore

Version 3.8.0 (released version)

The changes concern mainly the improved support in conjunction with UDS standard jobs.

The following is new:

- Informative display of results for UDS standard jobs
- Filtering of results for UDS jobs for output in result window
- Argument wizard for UDS standard jobs
- UDS check in file menu
- Preferred sequence of important tables in table window
- Size of some windows can no longer be changed
- New functions in Help-Menu (links)
- Delay function for test run

1. Informative display of results for UDS-Standard-Jobs

If one of the 4 standard jobs (STATUS_LESEN, STEUERN, STEUERN_IO, STEUERN_ROUTINE) is selected for UDS, the expected results are shown in addition due to the arguments contained in the argument line.



Example for Job STATUS_LESEN

In principle, it is possible to assign several arguments to the job STATUS_LESEN (although this is not supported by all control units). Consequently, the results of several DIDs are displayed. Headline per DID (starting with "----", as well as the results and the number of tables if result tables have been defined.

For the job STEUERN_ROUTINE the results are shown in filtered form depending on the control parameter (STR, STPR or RRR).

Note: Of the additionally generated lines, no selections are passed on to Ediabas when the job is called. This is only done for the results in front of the first line starting with "----".

2. Filtering of results for UDS jobs for output in result window

It is possible to limit the results that are displayed in the result window after a job has been carried out. This applies for all jobs in SGBDs that contain table SG_FUNKTIONEN.

Certain result endings can be filtered via selection in the configuration.

💂 ToolSet Configuration			×
 ▼ Toolbar	✓ Sorted output	INPA error memory mode	UDS Output
⊽ Head line		Error location	☑ _EINH
🔽 Info line	✓ Read Error like INPA ✓ detail	I✓ PCode I✓ PCode7	☑ _INFO
▽ English version	✓ Job information	✓ Error counter ✓ Kind of error	☑ _TEXT
	🔽 Argument information	🔽 Environmental cond.	
	🔽 Result information	☑ Value ☑ Unit	
	🗹 Table information	▼ Error Hex Code	

Configuration toolset (no tick means filtered)

If filtering is active, a corresponding remark is shown at the end of the output in the result window.

atz : 0			
OBJECT	=	musteruds	
SAETZE	=	• 1	
JOBNAME	=	status lesen	
VARIANTE	=	MUSTERŪDS	
JOBSTATUS	=		
UBATTCURRENT	=	1	
UBATTHISTORY	=	1	
IGNITIONCURRENT	=	• 1	
IGNITIONHISTORY	=	• 1	
Satz : 1			
JOB_STATUS	=	OKAY	
REQUEST	=	3 Bytes	
000 : 22 00 22		"."	
RESPONSE	=	45 Bytes	
000 : 62 00 22 11 22 33 33 44		44 88 88 88 88 99 99 99 b."."33D DEEEEEE	
010 : 99 AA AA AA AA BB BB BB		BB BB BB BB BB 48 65 6C ∎ªªªª>>>>> >>>>>> Hel	
020 : 6C 6F 00 77 6F 72 6C 64		77 6F 72 6C 64 lo.world world	
STAT_CHAR_WERT	=	1.700000E+001	
STAT_UCHAR_WERT	=	3.400000E+001	
STAT_INT_WERT	=	1.310700E+004	
STAT UINT WERT	=	1.747600E+004	
STAT LONG WERT	=	-2.004318E+009	
STAT ULONG WERT	=	2.576980E+009	
STAT_FLOAT_WERT	=	-3.031649E-013	
STAT_DOUBLE_WERT	=	-5.872762E-021	
STAT_STRING_WERT	=	0 00 00 00	
STAT_STRING2_WERT	=	0 00 00 00	
STAT_DATA_WERT	=	0 00 00 00	
STAT_DATA_DATA	=	5 Butes	
000 77 18			

Output of results filtered

3. Argument assistant for UDS standard jobs

If one of the 4 standard jobs (STATUS_LESEN, STEUERN, STEUERN_IO, STEUERN_ROUTINE) for UDS has been selected, you can activate the "Argument wizard" for easy input into argument entry line. The dialogue is a modal window. It must be closed before the other functions in Tool32 can be used.

Select Job: IHKA01		x
Jobs info initialisierung ident fs_lesen fs_lesen_detail fs_loeschen pruefstempel_lesen pruefstempel_schreiden status_lesen steuern_tourne fs_sperren is_lesen_detail is_loeschen	Arguments Data: ID;0xD91D;0xD89D Clear Argument wizard Argumente: argument_spalte; status	Results im_status _request _response id=0xd91d (bus_out_klimakompressor_pwm_wert) id=0xd89d (bus_out_wasserventil_pwm_wert) stat_bus_out_wasserventil_ipwm_wert stat_bus_out_wasserventil_re_pwm_wert

Activation of argument wizard

The dialogue for STATUS_LESEN allows you to select several DIDs, which are subsequently used as arguments. When using this option, please keep in mind how many DIDs can be processed by the control unit.

info initialisierung ident fs_lesen_deta fs_lesen_deta fs_loeschen pruefstempel_ pruefstempel_ svk_lesen status_lesen steuern_io steuern_io steuern_routin fs_sperren is_lesen_detai is_loeschen 3US_IN_TEMP 3US_OUT_KLI 3US_OUT_KLI 3US_OUT_ZUS)IMMUNG_58G	Arguments for STATUS_LESEN Arguments for STATUS_LESEN ARGUMENT_SPALTE ARGUMENT_SPALTE ARGUMENT_SPALTE ARGUMENT_SPALTE ARGUMENT_SPALTE ARGUMENT_SPALTE ARG ARG ARG ARG ARG ARG ARG AR
JRUCKSENSOR	

Example for STATUS_LESEN with several DIDs

The dialogue for STEUERN.... jobs allows you to select one individual DID and enter the other corresponding arguments.

Arguments for STEUERN							
ARGUMENT_SPALTE							
STATUS 🔽 more informaton	• AR	G	O ID		LABEL		
STEUERN_EINZELADRESSIERUNG	i 0xD978				•		
WERT							
ARG	DATENTYP	MIN	MAX E	INHEIT			
CURRENT_STEPPER_ADDRESS	char				12		
NEW_STEPPER_ADDRESS	char	-	-		256		
DIRECTION	cher	14		0.n	-or		•
SAFETY_ENABLE	char	Klapper -		0-n	<u>K3F</u>	0x00 AKTIVIERT	•
SAFETY_DIRECTION	char	-	-	0-n		0x01 ZU_HOHEN_SCHRITTZAHLEN	•
				Þ			
	1 -						
Cancel		OK					

Example for STEUERN with several arguments

A selection box is displayed for digital and discrete values; for all other data types, an input field is shown.

otes	;
• [Display of content of column Info (of respective line selected) in the form of explanatory text.
•(Color change if value limits or min/max have been violated or argument has not been entered. This should be seen as information. The final check of the argument is carried out in the standard job and the control unit.
•	Fields, which are highlighted red, can be taken over.
• l	When the dialogue is opened, the system tries to fill out arguments with the current content of the argument input line.
• F	for the job STEUERN_ROUTINE the arguments are filtered by means of the control parameter.

4. UDS check in file menu

The function for formal checking of UDS SGBDs is now accessible via the file menu.



UDS-Check in file menu

The results of the UDS-Check displayed are now language dependent (result window).

5. Preferred sequence of important tables in table window

If available in the SGBD, the tables SG_FUNKTIONEN und FORTEXTE are listed at the beginning of the select list. All other SGBDs are listed in the sequence included in the SGBD.



Preferred sequence of tables

6. The size of certain windows can no longer be changed

The size of the following windows can no longer be changed: Job selection window, configuration toolset and configuration Ediabas.

Select Job: IHKA01				2
Jobs	Arguments	Data: 🔲		
info initialisierung	ID;0xD155;0xD157;0x	D159;0xD15E	1	•
ident fs lesen	clear Argume	manisard	Results	
fs_lesen_detail fs_loeschen	EDIABAS Configura	tion	×	
pruefstempel_lesen	Ediabas 7.2.0	7.0.0	☑ Simulation	
svk_lesen	Interface STD:OMI	version 7.2.0 TEC	✓ IfhTrace	
steuern	BIP Level 0		Level: 1 0 2 0 3 0	
💲 🔜 ToolSet Configuration				×
s v Teelhar	🔽 Sorted outp	ut	INPA error memory mode	UDS Output
i 🔽 Head line	R Bood Funge		✓ Error location	I _EINH
i 🔽 Info line	IV Neau Error IV detail	TIKE INCH	PCode7	☑ _INFO
	🔽 Job informa	tion	✓ Error counter ✓ Kind of opport	☑ _TEXT
	🔽 Argument in	formation	Environmental cond.	
	🔽 Result info	rmation	✓ Value	
	🔽 Table infor	mation	Error Hex Code	

Size of window cannot be changed any longer

7. New functions in Help menu (Links)





The availability of menu points is controlled via the existence of assigned files and is dependent on the Ediabas installation version used. Effective from Ediabas Version 7.2 (Package >= 1.6) the documents should be available and consequently the menu points activated.

• Installation of AcrobatReader is required to display files in PDF format

8. Delay function for test procedure

It is possible to include delays in the test procedure. For this purpose, the key word "&delay" must appear in the job column. The duration of delay in milliseconds must be entered in the argument column.

	Test file : C:\EDIABAS\ECU\DELAY.TST								
S	SGBD								
Nr	n	SGBD	JOB	(data)	ARGUMENT	RESULT			
1	1	IHKA01	INFO						
2	1	IHKA01	IDENI						
3	1		&delay		1000				
4	2	IHKA 01	THE O						
5	1	IHKA 01	IDENT						
6	3		&delay		1000				
7	1	I HKA 01	INFO						
8	1	I HKA 01	IDENT						
9									

Example for use of delay function in test procedure