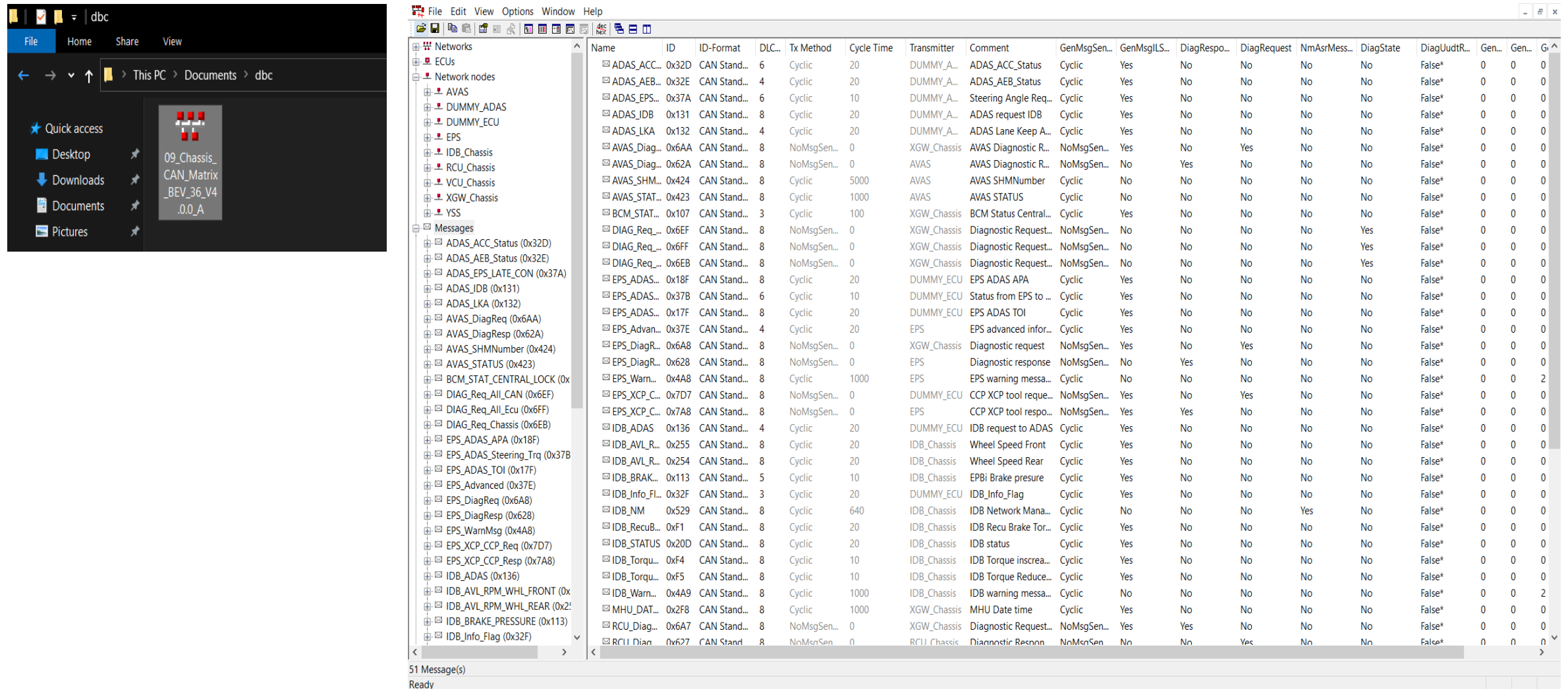


DBC to Excel Converter

Tool usage documentation

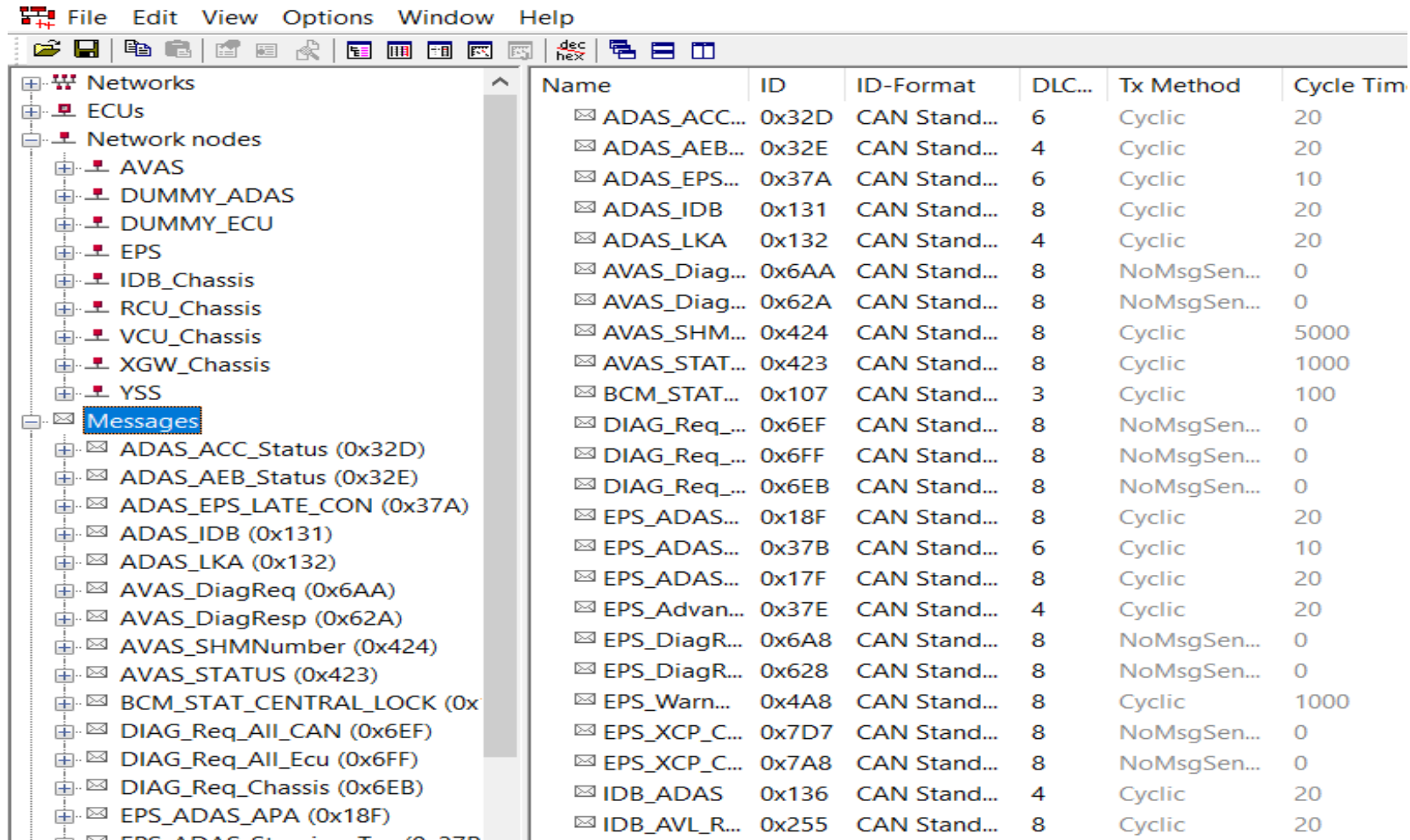
Step 1 – Open any CAN dbc (.dbc) file using Vector CANdb++ editor

Note : DBC file should not be corrupt



Step 2 – Exporting Message data to a csv file

- Click on Messages in the left tab



The screenshot shows a software interface with a menu bar (File, Edit, View, Options, Window, Help) and a toolbar. The left pane displays a tree view of the project structure, including Networks, ECUs, Network nodes, and a list of messages. The 'Messages' folder is selected, showing a list of messages with their IDs and names. The right pane displays a table of message details.

Name	ID	ID-Format	DLC...	Tx Method	Cycle Tim
ADAS_ACC...	0x32D	CAN Stand...	6	Cyclic	20
ADAS_AEB...	0x32E	CAN Stand...	4	Cyclic	20
ADAS_EPS...	0x37A	CAN Stand...	6	Cyclic	10
ADAS_IDB	0x131	CAN Stand...	8	Cyclic	20
ADAS_LKA	0x132	CAN Stand...	4	Cyclic	20
AVAS_Diag...	0x6AA	CAN Stand...	8	NoMsgSen...	0
AVAS_Diag...	0x62A	CAN Stand...	8	NoMsgSen...	0
AVAS_SHM...	0x424	CAN Stand...	8	Cyclic	5000
AVAS_STAT...	0x423	CAN Stand...	8	Cyclic	1000
BCM_STAT...	0x107	CAN Stand...	3	Cyclic	100
DIAG_Req...	0x6EF	CAN Stand...	8	NoMsgSen...	0
DIAG_Req...	0x6FF	CAN Stand...	8	NoMsgSen...	0
DIAG_Req...	0x6EB	CAN Stand...	8	NoMsgSen...	0
EPS_ADAS...	0x18F	CAN Stand...	8	Cyclic	20
EPS_ADAS...	0x37B	CAN Stand...	6	Cyclic	10
EPS_ADAS...	0x17F	CAN Stand...	8	Cyclic	20
EPS_Advan...	0x37E	CAN Stand...	4	Cyclic	20
EPS_DiagR...	0x6A8	CAN Stand...	8	NoMsgSen...	0
EPS_DiagR...	0x628	CAN Stand...	8	NoMsgSen...	0
EPS_Warn...	0x4A8	CAN Stand...	8	Cyclic	1000
EPS_XCP_C...	0x7D7	CAN Stand...	8	NoMsgSen...	0
EPS_XCP_C...	0x7A8	CAN Stand...	8	NoMsgSen...	0
IDB_ADAS	0x136	CAN Stand...	4	Cyclic	20
IDB_AVL_R...	0x255	CAN Stand...	8	Cyclic	20

Step 2 – Exporting Message data to a csv file

- Go to File -> Export -> Export List of Objects

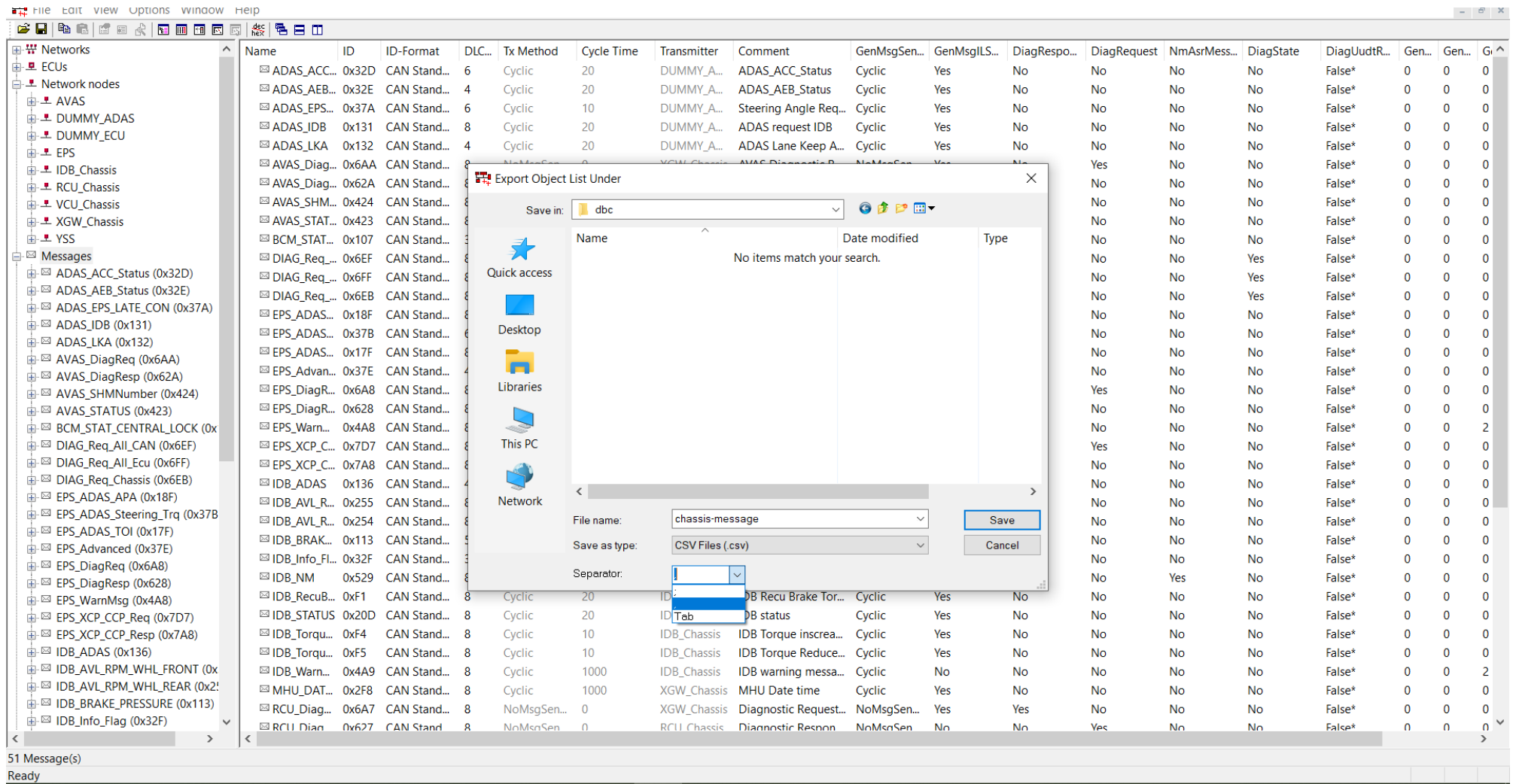
The screenshot shows a software application window with a menu bar (File, Edit, View, Options, Window, Help) and a toolbar. The 'File' menu is open, showing options like 'Create Database...', 'Open Database...', 'Close', 'Save', 'Save as...', 'Export', 'Import Attribute Definitions...', 'Consistency Check', 'Execute Script...', 'Plug-Ins', and 'Exit'. The 'Export' option is highlighted, and a submenu is visible with 'Into CANdb Network Files...' and 'Export List of Objects...'. The 'Export List of Objects...' option is selected.

The main window displays a table of message data. The table has columns: ID-Format, DLC, Tx Method, Cycle Time, Transmitter, Comment, GenMsgSen..., GenMsgILS..., DiagRespo..., DiagRequest, NmAsrMess..., DiagState, DiagUdtR..., Gen..., Gen..., and G. The table contains 51 rows of data, including messages like ADAS_ACC_Status, ADAS_AEB_Status, ADAS_EPS_LATE_CON, ADAS_IDB, ADAS_LKA, AVAS_DiagReq, AVAS_DiagResp, AVAS_SHMNumber, AVAS_STATUS, BCM_STAT_CENTRAL_LOCK, DIAG_Req_Ail_CAN, DIAG_Req_Ail_Ecu, DIAG_Req_Chassis, EPS_ADAS_APA, EPS_ADAS_Steering_Trq, EPS_XCP_C..., IDB_ADAS, IDB_AVL_R..., IDB_AVL_R..., IDB_BRAK..., IDB_Info_Fl..., IDB_NM, IDB_RecuB..., IDB_STATUS, IDB_Torqu..., IDB_Torqu..., IDB_Torqu..., IDB_Warn..., MHU_DAT..., RCU_Diag..., and RCU_Diag....

At the bottom of the window, there is a status bar that reads: '51 Message(s)' and 'Exports the displayed objects to a new file.'

Step 2 – Exporting Message data to a csv file

- Give any file name.
- Ensure Separator is , (comma) and then click save.



Step 3 – Exporting Signals data to a csv file

- Click on Signals in left tab

The screenshot shows a software interface with a menu bar (File, Edit, View, Options, Window, Help) and a toolbar. On the left, a tree view shows a list of signals, with 'Signals' selected. The main area displays a table of signal properties.

Name	Len...	Byte Order	Value Type	Initial Value	Fact...	Offs...	Mini...	Max...	Unit	Value Table	Comment	GenSigSen...	InvalidValue	Gen...	Gen...
~ ABSActive	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ABSA...	Further details whe...	Cyclic		0	200
~ ABSFault	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ABSF...	ABS Fault Status	Cyclic		0	200
~ ActualGear...	3	Motorola	Unsigned	7	1	0	0	7		VtSig_Actua...	VCU_ActualGearShi...	Cyclic	7h	7	100
~ ADAS_ACC...	11	Motorola	Unsigned	0	0.001	-1	-1	1	g	<none>	Target Acceleration...	Cyclic		1000	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Flag which indicate...	Cyclic		0	200
~ ADAS_ACC...	6	Motorola	Unsigned	0	0.01	0	0	0.63	g	<none>	Deceleration com...	Cyclic	3Fh	0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	DriveOff request fl...	NoSigSend...		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	Status of ACC	Cyclic		0	200
~ ADAS_ACC...	2	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	ACC Fail Informatio...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0	0.01	0	0	1.27	g/s	<none>	Jerk lower limit in ...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0	0.01	0	0	1.27	g/s	<none>	Jerk higher limit in ...	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Main switch status ...	Cyclic		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0	1	0	0	7		VtSig_ADA...	ACC control state	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Standstill request fl...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	Command to use l...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	HBA Request	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	Signal whitch show...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0	0.01	0	0	2.55	g	<none>	Deceleration com...	Cyclic	FFh	0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Flag which indicate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Request flag for ve...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0	0.01	0	0	2.55	g	<none>	Deceleration com...	Cyclic		0	200
~ ADAS_EPS...	16	Motorola	Unsigned	-0.0025999...	0.02...	-780	-780	779.7	deg	<none>	Steering Angle Req...	Cyclic		327...	100
~ ADAS_EPS...	2	Motorola	Unsigned	0	1	0	0	3		VtSig_ADA...	Signal indicated ha...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active AOL request...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active TOL request ...	Cyclic		0	100
~ ADAS_EPS...	11	Motorola	Unsigned	0	0.01	-10....	-10....	10.23	Nm	<none>	Steering Torque Re...	Cyclic		1024	100
~ ADAS_Hap...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Haptic device oper...	NoSigSend...		0	200
~ ADAS_IDB...	4	Motorola	Unsigned	0	1	0	0	14		<none>	Alive Counter	Cyclic	Fh	0	200
~ ADAS_IDB...	8	Motorola	Unsigned	0	1	0	0	255		<none>	Checksum	Cyclic		0	200
~ ADAS_LKA...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active TOI	NoSigSend...		0	200
~ ADAS_LKA...	4	Motorola	Unsigned	0	1	0	0	14		<none>	Alive Counter	NoSigSend...	Fh	0	200
~ ADAS_LKA...	8	Motorola	Unsigned	0	1	0	0	255		<none>	Checksum	NoSigSend...		0	200

413 Signal(s)
Ready

Step 3 – Exporting Signals data to a csv file

- Right click on the 1st row (on Name or Length etc) in right tab
- Select customize columns

The screenshot shows a software interface with a menu bar (File, Edit, View, Options, Window, Help) and a toolbar. On the left, a tree view lists various signals under the 'Signals' folder. The main area displays a table of signal details. A right-click context menu is open over the first row of the table, with 'Customize columns...' selected.

Name	Len...	Byte Order	Value Type	Initial	Value	Post	Offs	Min	Max	Unit	Value Table	Comment	GenSigSen...	InvalidValue	Gen...	Gen...
~ ABSActive	1	Motorola	Unsigned	0							VtSig_ABSA...	Further details whe...	Cyclic	0	200	
~ ABSFault	1	Motorola	Unsigned	0							VtSig_ABSF...	ABS Fault Status	Cyclic	0	200	
~ ActualGear...	3	Motorola	Unsigned	7							VtSig_Actua...	VCU_ActualGearShi...	Cyclic	7h	7	100
~ ADAS_ACC...	11	Motorola	Unsigned	0						g	<none>	Target Acceleration...	Cyclic		1000	200
~ ADAS_ACC...	1	Motorola	Unsigned	0							VtSig_ADA...	Flag which indicate...	Cyclic		0	200
~ ADAS_ACC...	6	Motorola	Unsigned	0						g	<none>	Deceleration com...	Cyclic	3Fh	0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	DriveOff request fl...	NoSigSend...		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	Status of ACC	Cyclic		0	200
~ ADAS_ACC...	2	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	ACC Fail Informatio...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0		0.01	0	0	1.27	g/s	<none>	Jerk lower limit in ...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0		0.01	0	0	1.27	g/s	<none>	Jerk higher limit in ...	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Main switch status ...	Cyclic		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0		1	0	0	7		VtSig_ADA...	ACC control state	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Standstill request fl...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	Command to use l...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	HBA Request	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	Signal whitch show...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0		0.01	0	0	2.55	g	<none>	Deceleration com...	Cyclic	FFh	0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Flag which indicate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Request flag for ve...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Request to activate...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0		0.01	0	0	2.55	g	<none>	Deceleration com...	Cyclic		0	200
~ ADAS_EPS...	16	Motorola	Unsigned	-0.0025999...	0.02...	-780	-780	779.7	deg		<none>	Steering Angle Req...	Cyclic		327...	100
~ ADAS_EPS...	2	Motorola	Unsigned	0		1	0	0	3		VtSig_ADA...	Signal indicated ha...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Active AOL request...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Active TOL request ...	Cyclic		0	100
~ ADAS_EPS...	11	Motorola	Unsigned	0		0.01	-10...	-10...	10.23	Nm	<none>	Steering Torque Re...	Cyclic		1024	100
~ ADAS_Hap...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Haptic device oper...	NoSigSend...		0	200
~ ADAS_IDB...	4	Motorola	Unsigned	0		1	0	0	14		<none>	Alive Counter	Cyclic	Fh	0	200
~ ADAS_IDB...	8	Motorola	Unsigned	0		1	0	0	255		<none>	Checksum	Cyclic		0	200
~ ADAS_LKA...	1	Motorola	Unsigned	0		1	0	0	1		VtSig_ADA...	Active TOI	NoSigSend...		0	200
~ ADAS_LKA...	4	Motorola	Unsigned	0		1	0	0	14		<none>	Alive Counter	NoSigSend...	Fh	0	200
~ ADAS_LKA...	8	Motorola	Unsigned	0		1	0	0	255		<none>	Checksum	NoSigSend...		0	200

413 Signal(s)

Step 3 – Exporting Signals data to a csv file

- Unselect comment and click OK.

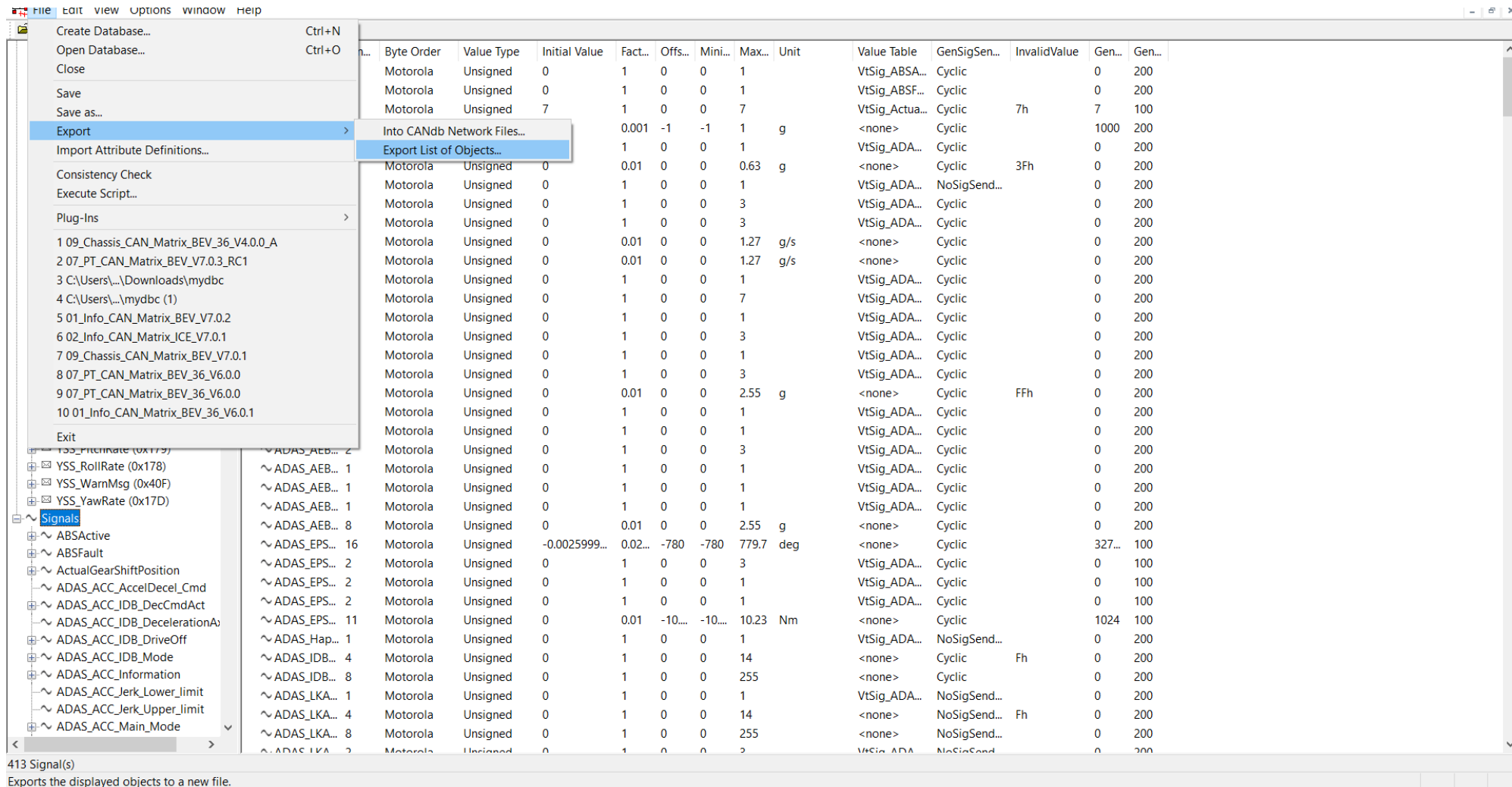
The screenshot shows a software interface for managing signals. On the left, a tree view lists various signals under the 'Signals' folder. The main area displays a table of these signals with columns for Name, Length, Byte Order, Value Type, Initial Value, Factor, Offset, Minimum, Maximum, Unit, Value Table, Comment, GenSigSendType, InvalidValue, GenSigStartValue, GenSigTimeoutTime, and GenSigUnit. A 'Customize columns' dialog box is open in the foreground, allowing users to select which attributes to display in the table. The 'Comment' checkbox is unchecked, and an orange checkmark is next to it. The 'OK' button is highlighted.

Name	Len...	Byte Order	Value Type	Initial Value	Fact...	Offs...	Mini...	Max...	Unit	Value Table	Comment	GenSigSen...	InvalidValue	Gen...	Gen...
~ ABSActive	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ABSA...	Further details whe...	Cyclic	0	200	
~ ABSFault	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ABSF...	ABS Fault Status	Cyclic	0	200	
~ ActualGear...	3	Motorola	Unsigned	7	1	0	0	7		VtSig_Actua...	VCU_ActualGearShi...	Cyclic	7h	7	100
~ ADAS_ACC...	11	Motorola	Unsigned	0	0.001	-1	-1	1	g	<none>	Target Acceleration...	Cyclic		1000	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Flag which indicate...	Cyclic		0	200
~ ADAS_ACC...	6	Motorola	Unsigned	0	0.01	0	0	0.63	g	<none>	Deceleration com...	Cyclic	3Fh	0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	DriveOff request fl...	NoSigSend...		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0							s of ACC	Cyclic		0	200
~ ADAS_ACC...	2	Motorola	Unsigned	0							Fail Informatio...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0							ower limit in ...	Cyclic		0	200
~ ADAS_ACC...	7	Motorola	Unsigned	0							igher limit in ...	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0							switch status ...	Cyclic		0	200
~ ADAS_ACC...	3	Motorola	Unsigned	0							control state	Cyclic		0	200
~ ADAS_ACC...	1	Motorola	Unsigned	0							still request fl...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0							hand to use l...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							Request	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0							l which show...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0							eration com...	Cyclic	FFh	0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							which indicate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							est to activate...	Cyclic		0	200
~ ADAS_AEB...	2	Motorola	Unsigned	0							est to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							est flag for ve...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							est to activate...	Cyclic		0	200
~ ADAS_AEB...	1	Motorola	Unsigned	0							est to activate...	Cyclic		0	200
~ ADAS_AEB...	8	Motorola	Unsigned	0							eration com...	Cyclic		0	200
~ ADAS_EPS...	16	Motorola	Unsigned	-0.0							ing Angle Req...	Cyclic	327...	100	
~ ADAS_EPS...	2	Motorola	Unsigned	0							l indicated ha...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active AOL request...	Cyclic		0	100
~ ADAS_EPS...	2	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active TOL request ...	Cyclic		0	100
~ ADAS_EPS...	11	Motorola	Unsigned	0	0.01	-10...	-10...	10.23	Nm	<none>	Steering Torque Re...	Cyclic		1024	100
~ ADAS_Hap...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Haptic device oper...	NoSigSend...		0	200
~ ADAS_IDB...	4	Motorola	Unsigned	0	1	0	0	14		<none>	Alive Counter	Cyclic	Fh	0	200
~ ADAS_IDB...	8	Motorola	Unsigned	0	1	0	0	255		<none>	Checksum	Cyclic		0	200
~ ADAS_LKA...	1	Motorola	Unsigned	0	1	0	0	1		VtSig_ADA...	Active TOI	NoSigSend...		0	200
~ ADAS_LKA...	4	Motorola	Unsigned	0	1	0	0	14		<none>	Alive Counter	NoSigSend...	Fh	0	200
~ ADAS_LKA...	8	Motorola	Unsigned	0	1	0	0	255		<none>	Checksum	NoSigSend...		0	200

413 Signal(s)
Ready

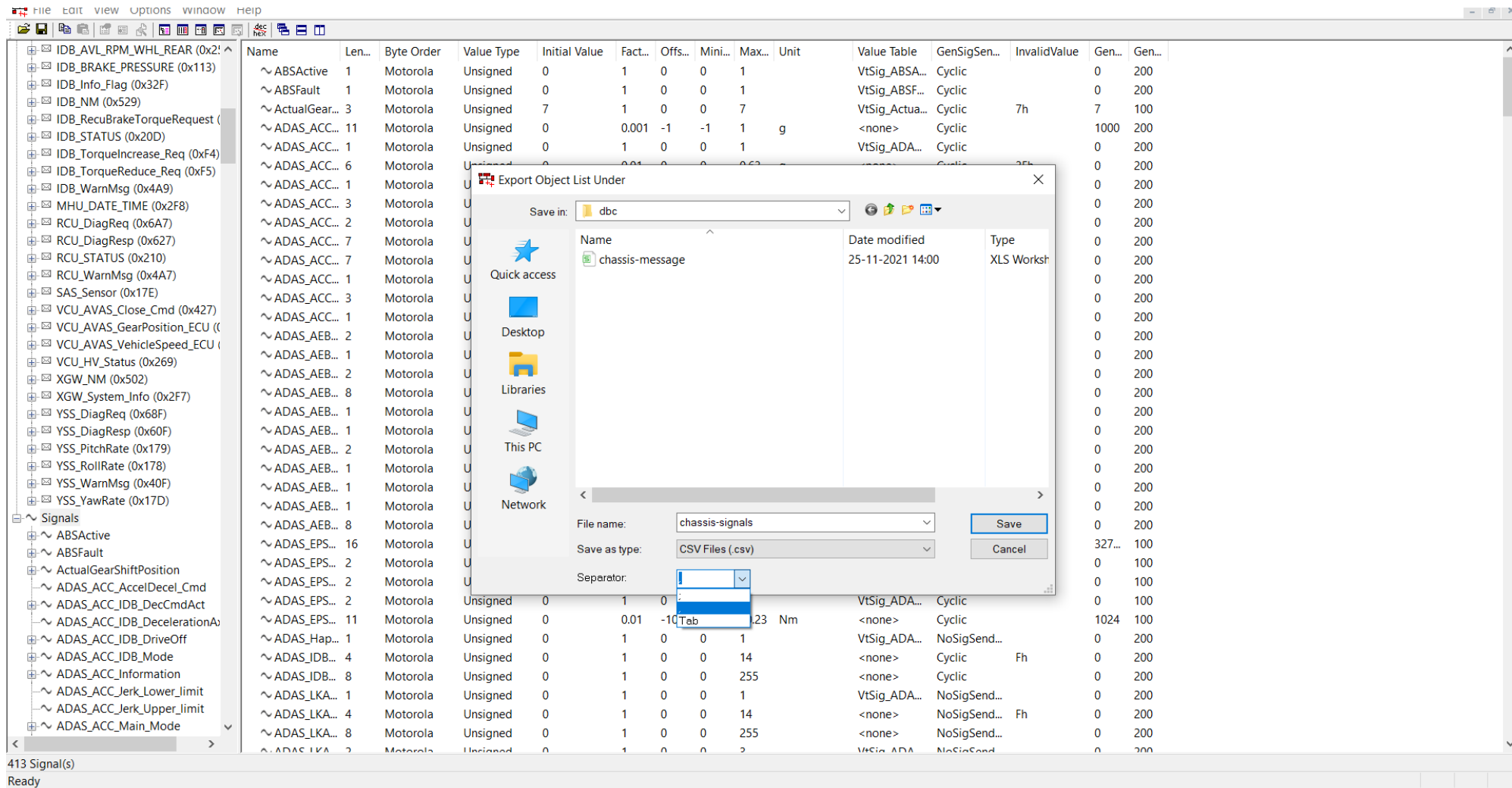
Step 3 – Exporting Signals data to a csv file

- Go to File -> Export -> Export List of Objects



Step 3 – Exporting Signals data to a csv file

- Give any file name.
- Ensure Separator is , (comma) and then click save.

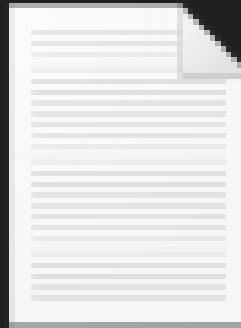


Step 4 – Convert using Tool

- Open converter.exe



converter_v
3.3

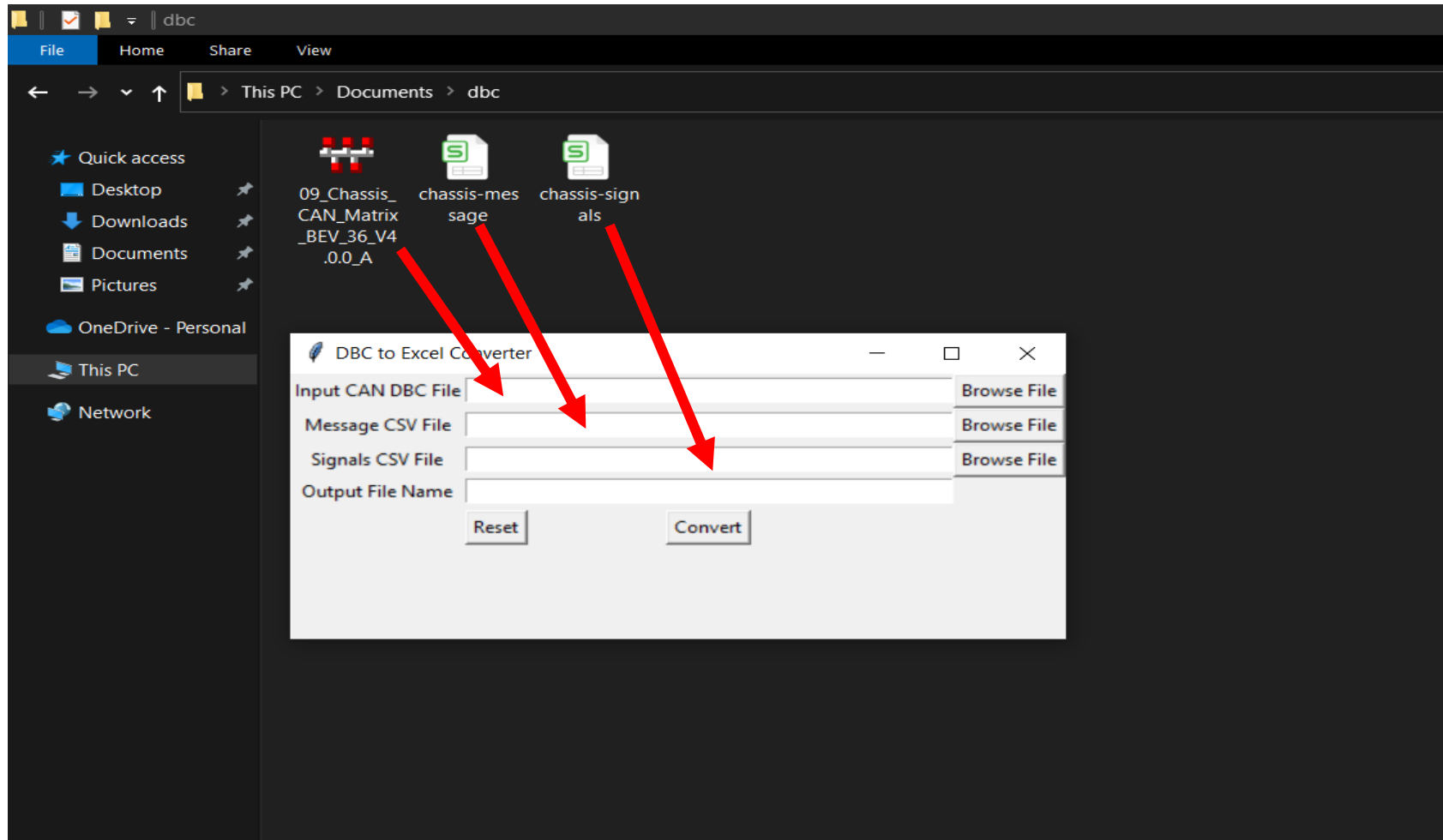


note

Step 4 – Convert using Tool

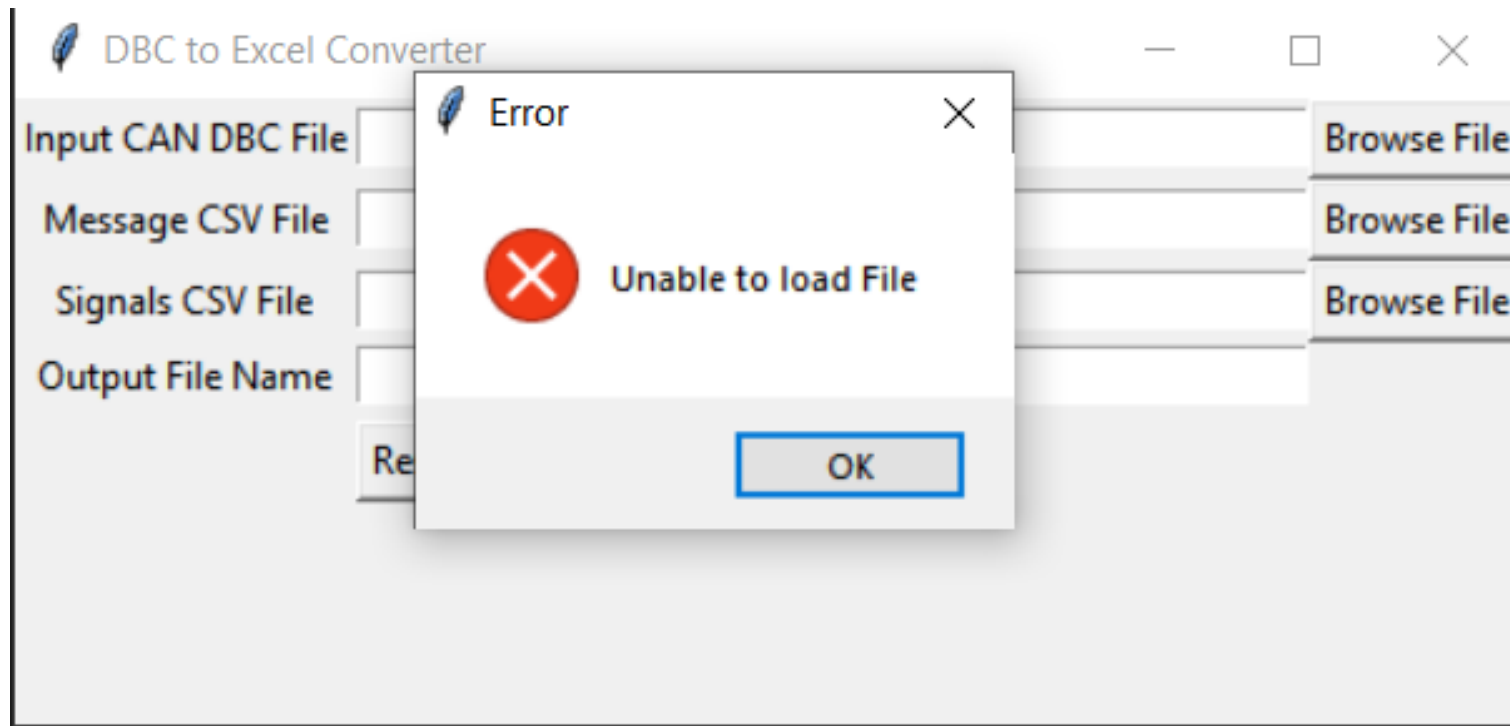
- Click on Browse File button to browse required files as shown

Note - There should not be any consistency error in the dbc file



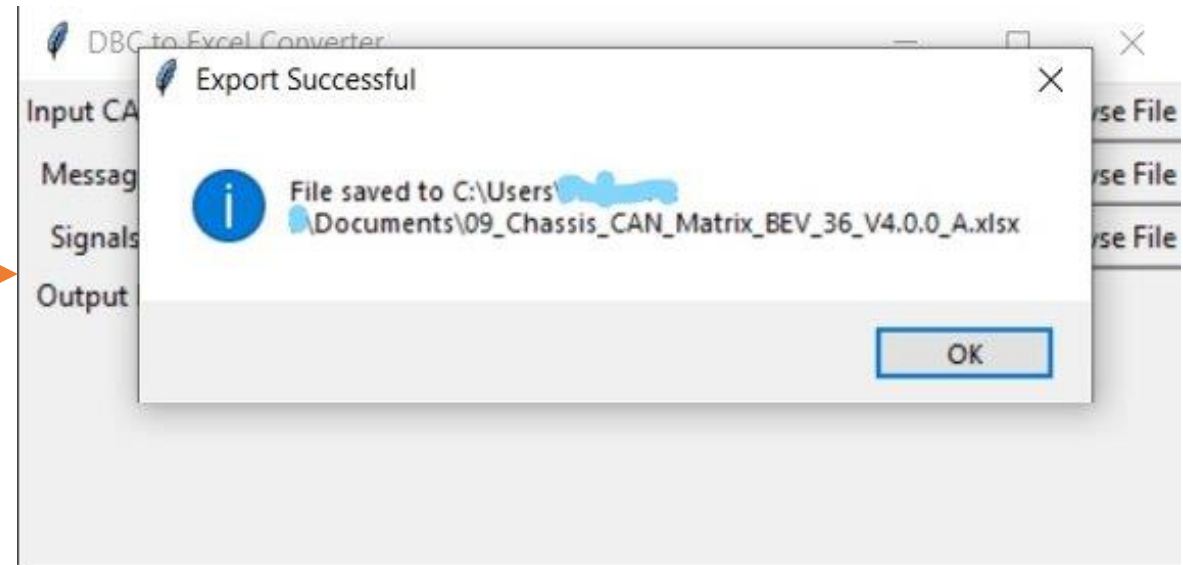
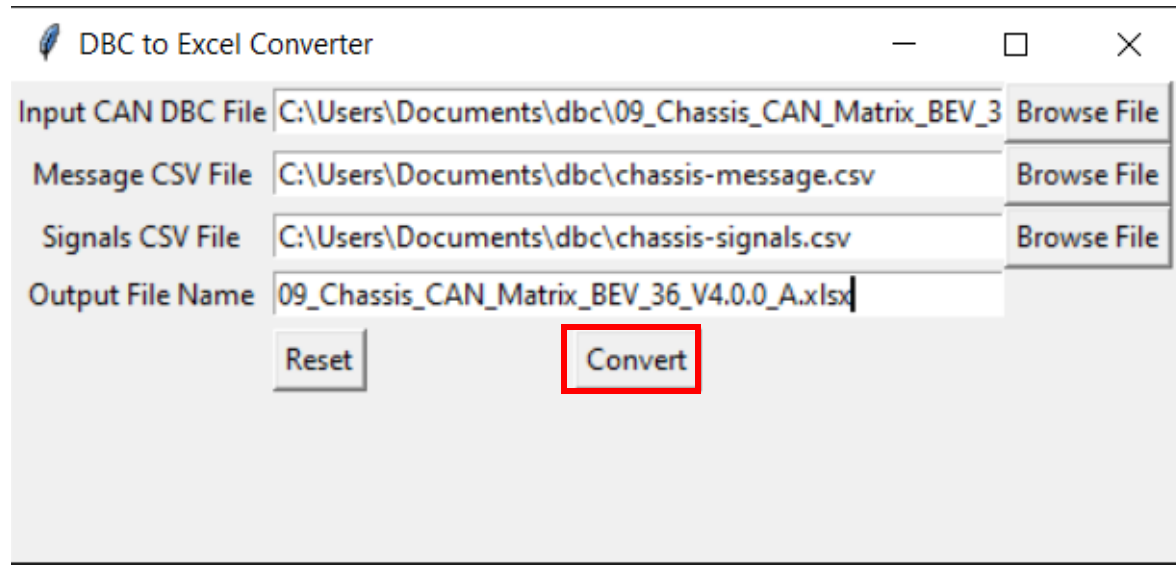
Step 4 – Convert using Tool

Note - There should not be any consistency error in the dbc file.
If error is present, then it will not be able to load the dbc file.



Step 4 – Convert using Tool

- Click on Convert button
- Output Excel file will be saved in C:\Users\[user name]\Documents\[file name]



Step 5 – Copy messages and signals sheet to required excel

A1		Cycletime max. [ms]																					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Cyclotin	Cyclotin	Cyclotin	Busload	Busload	Busload	Message	Message	Message	Data Length	Cycle Time	Send Mode	Timeout [r	Delay Time	Msg Start	Cycle Time	Number of	Message ID	Transmitte	Diag Reque	Diag Respc	DiagState	AutoSAR N
2	20	20	20	1.166	1.166	1.166	0xF1	IDB_RecuE	IDB Recu E	8	20	Cyclic	200	0	0	0	0	241	IDB_Chass	No	No	No	No
3	10	10	10	2.331	2.331	2.331	0xF4	IDB_Torqu	IDB Torque	8	10	Cyclic	100	0	0	0	0	244	IDB_Chass	No	No	No	No
4	10	10	10	2.331	2.331	2.331	0xF5	IDB_Torqu	IDB Torque	8	10	Cyclic	100	0	0	0	0	245	IDB_Chass	No	No	No	No
5	100	100	100	0.149	0.149	0.149	0x107	BCM_STAT	BCM Statu	3	100	Cyclic	500	0	0	0	0	263	XGW_Chass	No	No	No	No
6	10	10	10	1.827	1.827	1.827	0x113	IDB_BRAKE	EPBi Brake	5	10	Cyclic	100	0	0	0	0	275	IDB_Chass	No	No	No	No
7	20	20	20	1.166	1.166	1.166	0x131	ADAS_IDB	ADAS requ	8	20	Cyclic	200	0	0	0	0	305	DUMMY_f	No	No	No	No
8	20	20	20	0.83	0.83	0.83	0x132	ADAS_LKA	ADAS Lane	4	20	Cyclic	200	0	0	0	0	306	DUMMY_f	No	No	No	No
9	20	20	20	0.83	0.83	0.83	0x136	IDB_ADAS	IDB reques	4	20	Cyclic	200	0	0	0	0	310	DUMMY_E	No	No	No	No
10	10	10	10	2.331	2.331	2.331	0x178	YSS_RollR	YSS_RollRe	8	10	Cyclic	100	0	0	0	0	376	YSS	No	No	No	No
11	10	10	10	2.331	2.331	2.331	0x179	YSS_PitchF	YSS_PitchF	8	10	Cyclic	100	0	0	0	0	377	YSS	No	No	No	No
12	10	10	10	2.331	2.331	2.331	0x17D	YSS_YawR	YSS_YawR	8	10	Cyclic	100	0	0	0	0	381	YSS	No	No	No	No
13	10	10	10	2.163	2.163	2.163	0x17E	SAS_Senso	Steering ar	7	10	Cyclic	100	0	0	0	0	382	EPS	No	No	No	No
14	20	20	20	1.166	1.166	1.166	0x17F	EPS_ADAS	EPS ADAS	8	20	Cyclic	200	0	0	0	0	383	DUMMY_E	No	No	No	No
15	20	20	20	1.166	1.166	1.166	0x18F	EPS_ADAS	EPS ADAS	8	20	Cyclic	200	0	0	0	0	399	DUMMY_E	No	No	No	No
16	20	20	20	1.166	1.166	1.166	0x20D	IDB_STATU	IDB status	8	20	Cyclic	200	0	0	0	0	525	IDB_Chass	No	No	No	No
17	20	20	20	1.166	1.166	1.166	0x210	RCU_STAT	RCU status	8	20	Cyclic	200	0	0	0	0	528	RCU_Chass	No	No	No	No
18	20	20	20	1.166	1.166	1.166	0x254	IDB_AVL_F	Wheel Spe	8	20	Cyclic	200	0	0	0	0	596	IDB_Chass	No	No	No	No
19	20	20	20	1.166	1.166	1.166	0x255	IDB_AVL_F	Wheel Spe	8	20	Cyclic	200	0	0	0	0	597	IDB_Chass	No	No	No	No
20	20	20	20	0.662	0.662	0.662	0x269	VCU_HV_S	High volta	2	20	Cyclic	200	0	0	0	0	617	VCU_Chass	No	No	No	No
21	1000	1000	1000	0.023	0.023	0.023	0x2F7	XGW_Syste	System inf	8	1000	Cyclic	5000	0	0	0	0	759	XGW_Chass	No	No	No	No
22	1000	1000	1000	0.023	0.023	0.023	0x2F8	MHU_DAT	MHU Date	8	1000	Cyclic	5000	0	0	0	0	760	XGW_Chass	No	No	No	No
23	20	20	20	0.998	0.998	0.998	0x32D	ADAS_ACC	ADAS_ACC	6	20	Cyclic	200	0	0	0	0	813	DUMMY_f	No	No	No	No
24	20	20	20	0.83	0.83	0.83	0x32E	ADAS_AEB	ADAS_AEB	4	20	Cyclic	200	0	0	0	0	814	DUMMY_f	No	No	No	No
25	20	20	20	0.746	0.746	0.746	0x32F	IDB_Info_I	IDB_Info_I	3	20	Cyclic	200	0	0	0	0	815	DUMMY_E	No	No	No	No
26	10	10	10	1.995	1.995	1.995	0x37A	ADAS_EPS	Steering Ar	6	10	Cyclic	100	0	0	0	0	890	DUMMY_f	No	No	No	No
27	10	10	10	1.995	1.995	1.995	0x37B	EPS_ADAS	Status fron	6	10	Cyclic	100	0	0	0	0	891	DUMMY_E	No	No	No	No
28	20	20	20	0.83	0.83	0.83	0x37E	EPS_Advar	EPS advanc	4	20	Cyclic	200	0	0	0	0	894	EPS	No	No	No	No
29	1000	1000	1000	0.023	0.023	0.023	0x40F	YSS_WarnI	YSS_WarnI	8	1000	Cyclic	5000	0	0	0	0	1039	YSS	No	No	No	No
30	1000	1000	1000	0.023	0.023	0.023	0x423	AVAS_STA	AVAS STAT	8	1000	Cyclic	5000	0	0	0	0	1059	AVAS	No	No	No	No
31	5000	5000	5000	0.005	0.005	0.005	0x424	AVAS_SHM	AVAS SHM	8	5000	Cyclic	25000	0	0	0	0	1060	AVAS	No	No	No	No
32	10	10	10	2.331	2.331	2.331	0x425	VCU_AVAS	VCU AVAS	8	10	Cyclic	100	0	0	0	0	1061	VCU_Chass	No	No	No	No
33	20	20	20	1.166	1.166	1.166	0x426	VCU_AVAS	VCU AVAS	8	20	Cyclic	200	0	0	0	0	1062	VCU_Chass	No	No	No	No
34	100	100	100	0.233	0.233	0.233	0x427	VCU_AVAS	VCU AVAS	8	100	Cyclic	500	0	0	0	0	1063	VCU_Chass	No	No	No	No

messages

signals

THANK YOU!

