Model Interface Package For Simulink

Message Reference

For Model Interface Package for Simulink 4.5

Release 2021-A – May 2021

dSPACE

How to Contact dSPACE

Mail:	dSPACE GmbH Rathenaustraße 26 33102 Paderborn Germany
Tel.:	+49 5251 1638-0
Fax:	+49 5251 16198-0
E-mail:	info@dspace.de
Web:	http://www.dspace.com

How to Contact dSPACE Support

If you encounter a problem when using dSPACE products, contact your local dSPACE representative:

- Local dSPACE companies and distributors: http://www.dspace.com/go/locations
- For countries not listed, contact dSPACE GmbH in Paderborn, Germany.
  Tel.: +49 5251 1638-941 or e-mail: support@dspace.de

You can also use the support request form: http://www.dspace.com/go/supportrequest. If you are logged on to mydSPACE, you are automatically identified and do not need to add your contact details manually.

If possible, always provide the relevant dSPACE License ID or the serial number of the CmContainer in your support request.

Software Updates and Patches

dSPACE strongly recommends that you download and install the most recent patches for your current dSPACE installation. Visit http://www.dspace.com/go/patches for software updates and patches.

Important Notice

This publication contains proprietary information that is protected by copyright. All rights are reserved. The publication may be printed for personal or internal use provided all the proprietary markings are retained on all printed copies. In all other cases, the publication must not be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without the prior written consent of dSPACE GmbH.

© 2008 - 2021 by:
dSPACE GmbH
Rathenaustraße 26
33102 Paderborn
Germany

This publication and the contents hereof are subject to change without notice.

AUTERA, ConfigurationDesk, ControlDesk, MicroAutoBox, MicroLabBox, SCALEXIO, SIMPHERA, SYNECT, SystemDesk, TargetLink and VEOS are registered trademarks of dSPACE GmbH in the United States or other countries, or both. Other brand names or product names are trademarks or registered trademarks of their respective companies or organizations.

Contents

About This Reference 11

Display of Messages 13

Display of Messages ... 13

Model Interface Package for Simulink Message Reference 15

Model Port Block API Messages ... 16
- E01001 ... 16
- E01002 ... 17
- E01003 ... 17
- E01004 ... 18
- E01005 ... 18
- E01006 ... 18
- E01007 ... 19
- E01008 ... 19
- E01009 ... 20
- E01010 ... 20
- E01011 ... 20

Block Generation Messages ... 22
- N01501 ... 22
- N01502 ... 23
- N01503 ... 23
- N01504 ... 24
- N01505 ... 24
- N01506 ... 25
- N01507 ... 25
- E01509 ... 25
- E01510 ... 26
- E01511 ... 26
- E01512 ... 27
- E01513 ... 27
- E01514 ... 27
- E01515 ... 28
- N01516 ... 28

N01517 ... 28
N01518 ... 29
N01519 ... 29
E01520 ... 30
E01521 ... 30
E01522 ... 30
E01523 ... 31

DSRT Build Messages ... 32
N01101 ... 34
E01105 ... 34
E01106 ... 35
E01108 ... 35
E01109 ... 36
W01110 ... 36
W01111 ... 36
W01112 ... 37
W01113 ... 37
E01114 ... 38
E01115 ... 38
E01116 ... 39
N01117 ... 39
N01118 ... 39
E01121 ... 40
E01122 ... 40
E01125 ... 41
E01126 ... 41
E01127 ... 41
E01128 ... 42
N01129 ... 42
E01130 ... 43
W01134 ... 43
E01135 ... 43
E01136 ... 44
W01137 ... 44
W01138 ... 45
E01139 ... 45
E01140 ... 45
E01142 ... 46
E01143 ... 46
E01144 ... 47
E01145 ... 47
E01146 ... 48

N01147 ... 48
E01148 ... 48
E01150 ... 49
E01151 ... 49
E01153 ... 50
E01154 ... 50
E01155 ... 51
E01157 ... 51
E01158 ... 51
N01160 ... 52
E01161 ... 52
W01162 ... 53
E01165 ... 53
E01166 ... 54
E01169 ... 54
E01170 ... 55
E01172 ... 55
N01173 ... 56
N01174 ... 56
N01175 ... 57
N01176 ... 57
E01177 ... 58
E01178 ... 58
N01179 ... 58
N01180 ... 59
N01181 ... 59
N01182 ... 60
E01183 ... 60
N01184 ... 61
E01185 ... 61
E01186 ... 61
E01187 ... 62
N01188 ... 62
E01189 ... 63

ConfigurationDesk API Messages ... 64
N01901 ... 65
N01902 ... 65
N01903 ... 66
N01904 ... 66
N01905 ... 66
E01906 ... 67
N01907 ... 67

N01908 ... 67
E01909 ... 68
E01910 ... 68
E01911 ... 69
E01912 ... 69
E01913 ... 69
E01914 ... 70
E01915 ... 70
E01916 ... 70
E01917 ... 71
E01918 ... 71
E01919 ... 72
E01920 ... 72
E01921 ... 72
E01922 ... 73
E01923 ... 73
E01924 ... 74
Q01925 ... 74
Q01926 ... 74
Q01927 ... 75
N01928 ... 75
N01929 ... 75
N01930 ... 76
E01931 ... 76
E01932 ... 77

ConfigurationDesk Command Messages ... 78
W02001 ... 78
E02002 ... 79
N02003 ... 79
W02005 ... 80
E02006 ... 80
W02008 ... 80
W02009 ... 81
E02010 ... 81
N02011 ... 82
N02012 ... 82
E02013 ... 83
E02014 ... 83
N02015 ... 84
E02016 ... 84
N02017 ... 85
E02019 ... 85

E02020 ... 86
N02021 ... 86
N02022 ... 87
W02023 ... 87

DSRT Configuration Messages ... 88
N01801 ... 88

Data Handler Messages ... 89
E01601 ... 90
E01602 ... 90
E01603 ... 90
E01604 ... 91
N01605 ... 92
E01606 ... 92
E01607 ... 92
E01608 ... 93
E01609 ... 93
E01611 ... 94
E01612 ... 94
E01613 ... 95
E01614 ... 95
E01615 ... 96
E01616 ... 96
N01617 ... 96
E01618 ... 97
E01619 ... 97
E01620 ... 98
W01621 ... 98
E01622 ... 99
E01623 ... 99
E01624 ... 100
N01625 ... 100
E01626 ... 100
E01627 ... 101
E01628 ... 101

ID Managment Messages ... 103
W01701 ... 103
E01702 ... 103

Model Interface Blockset Messages ... 105
E01201 ... 105
E01202 ... 106

E01203 ... 106
E01204 ... 107
E01205 ... 107
E01206 ... 108
E01207 ... 108
E01208 ... 108
W01209 ... 109
E01210 ... 109

Preferences Messages ... 111
E02102 ... 111
E02103 ... 111
E02104 ... 112
E02105 ... 112

Model Separation Messages ... 113
E01401 ... 114
E01402 ... 115
E01403 ... 115
E01404 ... 116
E01405 ... 116
E01406 ... 116
E01407 ... 117
E01408 ... 117
E01409 ... 118
E01410 ... 118
E01411 ... 118
E01412 ... 119
E01413 ... 119
E01414 ... 120
W01415 ... 120
E01416 ... 120
E01417 ... 121
E01418 ... 121
E01419 ... 122
E01420 ... 122
E01421 ... 122
E01422 ... 123
E01423 ... 123
E01424 ... 124
E01425 ... 124
E01427 ... 124
E01428 ... 125

N01430 ... 125
N01431 ... 126
E01432 ... 126
Q01433 ... 127
E01434 ... 127
E01435 ... 127
E01438 ... 128
E01439 ... 128
Q01440 ... 129
N01441 ... 129
N01442 ... 129
E01443 ... 130
E01444 ... 130
E01445 ... 131
E01446 ... 131
E01447 ... 131
E01448 ... 132
E01449 ... 132
E01450 ... 133

Model and Block Messages ... 134
E01301 ... 135
E01302 ... 135
E01303 ... 136
E01304 ... 136
E01305 ... 136
E01306 ... 137
E01307 ... 137
N01308 ... 138
N01309 ... 138
Q01310 ... 138
Q01311 ... 139
Q01312 ... 139
E01313 ... 140
E01314 ... 140
E01315 ... 140
Q01316 ... 141
E01318 ... 141
W01319 ... 142
W01320 ... 142
N01321 ... 143
N01322 ... 143
N01323 ... 143

N01324 144
E01325 144
E01326 145
E01327 145
E01328 146
E01329 146
W01330 146
W01331 147

About This Reference

Categorization of messages

All Model Interface Package for Simulink messages are categorized according to cause and additionally classified by severity level: note (N), warning (W), error (E) and question (Q). For details, refer to Display of Messages on page 13.

Symbols

dSPACE user documentation uses the following symbols:

Symbol	Description
DANGER	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
CAUTION	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates a hazard that, if not avoided, could result in property damage.
Note	Indicates important information that you should take into account to avoid malfunctions.
Tip	Indicates tips that can make your work easier.
	Indicates a link that refers to a definition in the glossary, which you can find at the end of the document unless stated otherwise.
	Precedes the document title in a link that refers to another document.

Naming conventions

dSPACE user documentation uses the following naming conventions:

%name% Names enclosed in percent signs refer to environment variables for file and path names.

< > Angle brackets contain wildcard characters or placeholders for variable file and path names, etc.

Special folders

Some software products use the following special folders:

Common Program Data folder A standard folder for application-specific configuration data that is used by all users.

`%PROGRAMDATA%\dSPACE\<InstallationGUID>\<ProductName>`

or

`%PROGRAMDATA%\dSPACE\<ProductName>\<VersionNumber>`

Documents folder A standard folder for user-specific documents.

`%USERPROFILE%\Documents\dSPACE\<ProductName>\<VersionNumber>`

Local Program Data folder A standard folder for application-specific configuration data that is used by the current, non-roaming user.

`%USERPROFILE%\AppData\Local\dSPACE\<InstallationGUID>\<ProductName>`

Accessing dSPACE Help and PDF Files

After you install and decrypt dSPACE software, the documentation for the installed products is available in dSPACE Help and as PDF files.

dSPACE Help (local) You can open your local installation of dSPACE Help:

- On its home page via Windows Start Menu
- On specific content using context-sensitive help via **F1**

dSPACE Help (Web) You can access the Web version of dSPACE Help at www.dspace.com/go/help.

To access the Web version, you must have a *mydSPACE* account.

PDF files You can access PDF files via the icon in dSPACE Help. The PDF opens on the first page.

Display of Messages

Display of Messages

Introduction

When you work with the Model Interface Package for Simulink, messages inform you about possible problems or upcoming actions. The messages are issued in the MATLAB Command Window or in dialogs. They provide links/buttons for you to open the related topic in the Model Interface Package for Simulink Message Reference, which contains more information.

Message types

The following message types are available:

- Error (E)

  Error messages give you information about failed actions. They might be preceded or followed by other messages that describe the reason for the error in more detail.
- Warning (W)

  Warnings give you hints about model parameters that might cause concern/issues, for example.
- Note (N)

  Notes give you information about successfully completed actions. They do not require any action or confirmation.
- Question (Q)

  Questions prompt your confirmation before a specific action is performed.

Message format in the MATLAB Command Window

Messages displayed in the MATLAB Command Window have the following format:

```
<message type> #<number>: <title> <message>
```

Placeholder	Description
`<message type>`	Displays the message type. In the MATLAB Command Window, the following message types are displayed:

Placeholder	Description
	▪ Error ▪ Warning ▪ Note **Note** Questions are always displayed in message dialogs.
`<number>`	Shows you the number of the message. Each message has its own number. Clicking the number opens the related topic in the Model Interface Package for Simulink Message Reference for more information.
`<title>`	Shows the title of the message.
`<message>`	Contains detailed information about the problem. It can also contain links to model elements that caused the error. Clicking the links highlights the related elements in the model.

Message dialogs

Messages issued in dialogs prompt you to confirm the upcoming action or to decline it, respectively. Additionally, the message dialogs provide a Help button that lets you open the related topic in the Model Interface Package for Simulink Message Reference for futher information.

Model Interface Package for Simulink Message Reference

Where to go from here

Information in this section

Model Port Block API Messages....16
Block Generation Messages....22
DSRT Build Messages....32
ConfigurationDesk API Messages....64
ConfigurationDesk Command Messages....78
DSRT Configuration Messages....88
Data Handler Messages....89
ID Managment Messages....103
Model Interface Blockset Messages....105
Preferences Messages....111
Model Separation Messages....113
Model and Block Messages....134

Model Port Block API Messages

Where to go from here

Information in this section

E01001 16
E01002 17
E01003 17
E01004 18
E01005 18
E01006 18
E01007 19
E01008 19
E01009 20
E01010 20
E01011 20

E01001

Message

%1 model port block: Could not set value for the Name property to '%2'. The signal name is already in use.

Message parameters

- Model port block
- Signal name

Reason

The names of signals on the same level must be unique. The specified name is already used by another signal.

Solution

Specify a signal name that is unique.

E01002

Message	%1 model port block: Could not set the %2 property of the following signal: %3.
Message parameters	▪ Model port block ▪ Property ▪ Signal
Reason	You tried to set a signal property to an invalid value.
Solution	Make sure to apply compliant values to the model port block signal properties.

E01003

Message	%1 model port block: Could not set value for the DataType property to %2. Valid data types: ['', %3].
Message parameters	▪ Model port block ▪ Invalid data type ▪ List of data types
Reason	You tried to set a signal data type to an invalid value.
Solution	MIPS supports Simulink's built-in data types, and Simulink.Bus objects. Additionally, you can specify that a signal is to be an untyped bus by setting its data type to an empty value.

E01004

Message	%1 model port block: Could not add the %2 signal.
Message parameters	▪ Model port block ▪ Signal
Reason	You tried to add a signal, but the signal already exists.
Solution	Check whether you specified the signal correctly.

E01005

Message	%1 model port block: The specified value for the %2 property is invalid.
Message parameters	▪ Model port block ▪ Property
Reason	You tried to assign a new value to the property of a model port block. However, the new value was invalid.
Solution	Make sure to assign valid values to model port block properties.

E01006

Message	%1 model port block: The specified value %2 for the TaskPriority property is not an integer in the [1 127] range.
Message parameters	▪ Model port block ▪ Invalid value for the TaskPriority property

Reason	The task priority must be an integer in the [0 127] range.
Solution	Specify an integer value in [1 127].

E01007

Message	%1 model port block: The %2 signal is defined by the following Simulink.Bus object: %3.
Message parameters	▪ Model port block ▪ Signal ▪ Simulink.Bus object
Reason	You tried to modify a signal that is defined by a Simulink.Bus object.
Solution	To modify the signal properties, you can modify the Simulink.Bus object. Alternatively, you can make the signal's parent an untyped bus by setting its data type to an empty value.

E01008

Message	%1 model port block: Could not delete the %2 signal.
Message parameters	▪ Model port block ▪ Signal
Reason	You tried to delete the only signal of a bus or the only block port signal.
Solution	Make sure not to delete signals that are indispensable.

E01009

Message	%1 model port block: Could not restore library link: %2.
Message parameters	▪ Model port block ▪ Simulink error message
Reason	MIPS could not restore the library link of a model port block into the Model Interface Blockset. The message provides the associated Simulink error message.
Solution	Check the error message to find possible solutions for the problem. Try to restore the library link manually, using the context menu of the block.

E01010

Message	%1 model port block: Could not set Goto tag for untyped signal: %2.
Message parameters	▪ Model port block ▪ Signal
Reason	Goto tags are only supported for typed signals.
Solution	Convert the untyped signal to a typed signal.

E01011

Message	%1 model port block: Could not set the Goto tag of the following signal: %2.
Message parameters	▪ Model port block ▪ Signal

Reason	You tried to set the Goto tag to an invalid value.
Solution	Make sure to apply compliant values to the Goto tag. Compliant values are C identifiers or an empty string.

Block Generation Messages

Where to go from here

Information in this section

N01501....22
N01502....23
N01503....23
N01504....24
N01505....24
N01506....25
N01507....25
E01509....25
E01510....26
E01511....26
E01512....27
E01513....27
E01514....27
E01515....28
N01516....28
N01517....28
N01518....29
N01519....29
E01520....30
E01521....30
E01522....30
E01523....31

N01501

Message

Updated the %1 block according to the properties of its input signals.

Message parameters	▪ Model port block
Reason	This message informs you that the signal configuration of the block was updated according to the properties of its input signals.
Solution	-

N01502

Message	Updating the %1 block from its input signals did not modify the block data.
Message parameters	▪ Model port block
Reason	The block data matches the properties of its input signals.
Solution	-

N01503

Message	Processed %1 blocks according to the properties of their input signals. %2 blocks were updated. The data of %3 blocks already matched their input signals. %4 blocks could not be updated, because the properties of their input signals are not supported.
Message parameters	▪ Number of blocks processed ▪ Number of updated blocks ▪ Number of blocks that were not modified ▪ Number of blocks whose signals have unsupported properties
Reason	This message informs you how many data port blocks were processed.

Solution	-

N01504

Message	Created %1 block that matches the output signal of the following BusCreator block: %2.
Message parameters	▪ Model port block ▪ BusCreator block
Reason	This message informs you that a data port block was created.
Solution	-

N01505

Message	Created %1 data port block that matches the following Simulink.Bus objects: %2
Message parameters	▪ Model port block ▪ List with names of Simulink.Bus objects
Reason	This message informs you that a data port block was created.
Solution	-

N01506

Message	Created %1 %2 block for %3 %4 block.
Message parameters	▪ Data port block type of created block ▪ Block created ▪ Model port block type of source block ▪ Source block
Reason	This message informs you that a data port block was created.
Solution	-

N01507

Message	Created inverse blocks for %1 Data Inport and %2 Data Outport blocks.
Message parameters	▪ Number of Data Inport blocks ▪ Number of Data Outport blocks
Reason	This message informs you how many data port blocks were processed.
Solution	-

E01509

Message	The Data Outport blocks reside in the %1 library.
Message parameters	▪ Simulink library
Reason	You tried to update Data Outport blocks to match their input signals. However, the blocks reside in a library.

Solution	If you want to update Data Outport blocks that reside in a library block, you must break the associated library link.

E01510

Message	Could not update %1 Data Outport blocks from their input signals.
Message parameters	▪ Number of blocks to be updated
Reason	You tried to update Data Outport blocks from their input signals. However, the update could not be completed. For example, Simulink could not initialize the model.
Solution	Check the messages issued after this message. Make sure the model in which the blocks reside can be initialized.

E01511

Message	Could not update %1 block from its input signals.
Message parameters	▪ Model port block
Reason	The Data Outport block could not be updated according to the properties of its input signals, because certain signal properties are not supported by MIPS.
Solution	Check following messages to learn about the reasons for the problem.

E01512

Message	Could not create a Data Outport block that matches %1 BusCreator block.
Message parameters	▪ BusCreator block
Reason	The BusCreator block's output signal has unsupported properties. The following messages describe which properties are unsupported.
Solution	Check the error messages and make sure that signals you want to use as model interface are compliant with MIPS.

E01513

Message	Could not create a model port block that matches the following Simulink.Bus objects: %1.
Message parameters	▪ List with names of Simulink.Bus objects
Reason	The Simulink.Bus object specifies signals whose properties are not supported.
Solution	Check messages that follow this message to learn which properties are not supported.

E01514

Message	The specified Data Outport blocks reside in different models: %1.
Message parameters	▪ List of Simulink models
Reason	You tried to update Data Outport blocks to match their input signals. However, the blocks do not reside in the same model.

Solution	Make sure that the blocks reside in the same model. If you have more than one model, update the blocks individually for each model.

E01515

Message	Could not remove MIPS data from the %1 model.
Message parameters	▪ Model Name
Reason	Model Interface Blockset data such as callbacks and model specific parameters could not be removed.
Solution	Check messages that follow this message for possible solutions.

N01516

Message	Cleared the %1 model from Model Interface Blockset data.
Message parameters	▪ Model name
Reason	This message informs you that the MIPS callbacks and model specific data were removed from the specified model.
Solution	-

N01517

Message	Processed %1 data port blocks. Generated block periphery for %2 blocks. Skipped block periphery generation for %3 blocks. Could not generate block periphery for %4 blocks.

Message parameters	▪ Number of data port blocks for which block periphery must be generated. ▪ Number of data port blocks for which block periphery generation was successful. ▪ Number of data port blocks for which block periphery generation was skipped. ▪ Number of data port blocks for which no block periphery could be generated.
Reason	This message informs you how many data port blocks were processed.
Solution	-

N01518

Message	Block periphery generated for the following block: %1.
Message parameters	▪ data port block
Reason	This message informs you that periphery was generated for a data port block.
Solution	-

N01519

Message	Skipped block periphery generation for the following block: %1.
Message parameters	▪ data port block
Reason	This message informs you that because all ports of the specified data port block are connected, generating a periphery was neither feasible nor necessary.
Solution	-

E01520

Message	Could not generate block periphery for the following block: %1.
Message parameters	▪ data port block
Reason	The data port block resides in a library block or a subsystem without write access.
Solution	Make sure that the data port block resides in a writable system.

E01521

Message	Found %1 model port block.
Message parameters	▪ Model port block
Reason	Model Interface Blockset data such as callbacks and model specific parameters cannot be removed from the model if itcontains model port blocks.
Solution	Delete all model port blocks before clearing the model from Model Interface Blockset data.

E01522

Message	%1 ports of the %2 block are unconnected.
Message parameters	▪ Number of unconnected ports ▪ Data Outport block
Reason	To update a block from its inputs all ports have to be connected.

Solution	Connect all unconnected ports.

E01523

Message	The Data Outport blocks reside in the %1 subsystem reference.
Message parameters	▪ Simulink library
Reason	You tried to update Data Outport blocks to match their input signals. However, the blocks reside in a subsystem reference.
Solution	If you want to update Data Outport blocks that reside in a subsystem reference, you must do this in a conventional subsystem and copy the updated Data Outport blocks into the subsystem reference.

DSRT Build Messages

Where to go from here

Information in this section

N01101....34
E01105....34
E01106....35
E01108....35
E01109....36
W01110....36
W01111....36
W01112....37
W01113....37
E01114....38
E01115....38
E01116....39
N01117....39
N01118....39
E01121....40
E01122....40
E01125....41
E01126....41
E01127....41
E01128....42
N01129....42
E01130....43
W01134....43
E01135....43
E01136....44
W01137....44
W01138....45
E01139....45

E01140....45
E01142....46
E01143....46
E01144....47
E01145....47
E01146....48
N01147....48
E01148....48
E01150....49
E01151....49
E01153....50
E01154....50
E01155....51
E01157....51
E01158....51
N01160....52
E01161....52
W01162....53
E01165....53
E01166....54
E01169....54
E01170....55
E01172....55
N01173....56
N01174....56
N01175....57
N01176....57
E01177....58
E01178....58
N01179....58
N01180....59

N01181 59
N01182 60
E01183 60
N01184 61
E01185 61
E01186 61
E01187 62
N01188 62
E01189 63

N01101

Message	The following file appears to be the source code of a generated S-function: %1. Adding the following folder to the SIC: %2.
Message parameters	▪ Source code file of generated S-function ▪ Associated folder
Reason	This message informs you that DSRT code generation adds a folder that contains generated S-function code to a SIC.
Solution	-

E01105

Message	The %1 XML file is not well formed: %2
Message parameters	▪ XML file ▪ XML parser error message

Reason	The ModelDescription.xml file generated into a SIC is invalid.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

E01106

Message	The following model description file is invalid: %1. Error message: %2
Message parameters	▪ XML file ▪ XML schema validation error message
Reason	To describe the interfaces of a Simulink model, MIPS generates the ModelDescription.xml file, which is copied to the Simunlink implementation container (SIC) file that contains the generated code. However, the file was invalid, i.e., it does not comply with the associated XSD schema. The most likely reason for this problem is the occurrence of ID conflicts: Block or signal IDs of model port blocks are not unique.
Solution	Initialize the model (e.g., by pressing Ctrl+D) and use the Model Port Blocks/Check Model for DSRT Code Generation Simulink command to find non-unique block or signal IDs. Use the model port block dialogs or API to assign unique IDs. Then, restart DSRT code generation. If the problem persists, contact dSPACE Support (www.dspace.com/go/supportrequest).

E01108

Message	Could not generate Simulink implementation container file for the %1 model: The model was never saved.
Message parameters	▪ Simulink model
Reason	You started code generation for a Simulink model that was never saved to a file.
Solution	Save the model to a file before starting code generation.

E01109

Message	Could not generate the Simulink implementation container file for the %1 model: The model file %2 does not exist.
Message parameters	▪ Simulink model ▪ Simulink model file
Reason	You started code generation for a Simulink model whose model file does not exist. For example, it was deleted, renamed, or resides on a network drive that is not accessible.
Solution	Make sure to save the model to a file before starting the code generation.

W01110

Message	The path to the specified build directory is too long. An error might occur during code generation or the generated SIC file might be incomplete because of file access errors.
Message parameters	-
Reason	Errors might occur during DSRT code generation if file paths exceed 255 characters.
Solution	Make sure to define the file paths to which you want to generate code. For example, you can use the SUBST command to create a virtual drive for you code generation folder.

W01111

Message	The specified build directory path and the model name yield a file path that is too long. An error might occur during code generation or the generated SIC file might be incomplete because of file access errors.

Message parameters	-
Reason	Errors might occur during DSRT code generation if file paths exceed 255 characters.
Solution	Make sure to define the file paths to which you want to generate code. For example, you can use the SUBST command to create a virtual drive for you code generation folder.

W01112

Message	The path to the specified build directory is too long. An error might occur during code generation because of file access errors.
Message parameters	-
Reason	Errors might occur during DSRT code generation if file paths exceed 255 characters.
Solution	Make sure to define the file paths to which you want to generate code. For example, you can use the SUBST command to create a virtual drive for you code generation folder.

W01113

Message	The specified project name, application name, and model name yield a file path that is too long. An error might occur during code generation because of file access errors.
Message parameters	-
Reason	Errors might occur during DSRT code generation if file paths exceed 255 characters.

Solution	Make sure to define the file paths to which you want to generate code. For example, you can use the SUBST command to create a virtual drive for you code generation folder.

E01114

Message	Simulink's preferences specify a code generation folder: %1. DSRT does not support custom code generation folders.
Message parameters	▪ Code generation folder
Reason	You specified a code generation folder in Simulink's preferences.
Solution	If you want to have code generated for the DSRT target, clear the code generation folder in Simulink's preferences.

E01115

Message	Simulink's preferences specify %1 as the code generation folder structure. For this parameter, DSRT supports only ModelSpecific.
Message parameters	▪ Code generation folder structure
Reason	You specified a value for the Simulink code generation folder structure preference that is not compliant with DSRT code generation.
Solution	Set the Simulink code generation folder structure preference to ModelSpecific .

E01116

Message	The %1 block originates from the %2 blockset.
Message parameters	▪ Block ▪ Blockset
Reason	DSRT code generation found a block that originates from a dSPACE blockset that is incompatible with SIC file generation. However, you can generate and compile code for the model with ConfigurationDesk, and use SCALEXIO or DS1403 systems for real-time simulation.
Solution	If you want to build a real-time application for the model, import the model to a ConfigurationDesk project and start a build for the associated real-time system.

N01117

Message	The %1 block appears to be a C++ S-function. Source code file: %2.
Message parameters	▪ S-function block ▪ C++ file
Reason	DSRT code generation found an S-function and a CPP (*.cpp) file that matches the function name. It therefore assumes that the S-function is written in C++.
Solution	-

N01118

Message	%1 model: You specified C++ files as custom code.
Message parameters	▪ Simulink model

Reason	You specified C++ (*.cpp) files as custom code for the model.
Solution	-

E01121

Message	Could not create the %1 SIC folder: %2
Message parameters	▪ Directory that could not be created ▪ Error message
Reason	DSRT code generation could not create a folder. The message provides the reason for the error.
Solution	To find a solution for the problem, check the reason provided by the error message.

E01122

Message	Could not add the %1 file to the code generation result: %2
Message parameters	▪ File that could not be copied to a SIC ▪ Error message
Reason	DSRT code generation could not add a file to the code generation result. The message provides the reason for the error.
Solution	To find a solution for the problem, check the reason provided by the error message.

E01125

Message	Could not find the %1 makefile fragment for the %2 referenced model.
Message parameters	▪ Makefile fragment that does not exist ▪ Referenced model
Reason	DSRT code generation required a makefile fragment for a referenced model. However, the file does not exist.
Solution	Delete the <modelName>_dsrt build directory and restart code generation.

E01126

Message	%1 model: Could not merge the ASAP2 files of the model referencing hierarchy.
Message parameters	▪ Simulink model name
Reason	The ASAP2 files of referenced model could not be merged into the ASAP2 file of the parent (current) model.
Solution	To generate an ASAP2 file, set the Interface option in the Configuration Parameters dialog to ASAP2 for each referenced model.

E01127

Message	Could not generate SIC for the %1 model. Could not pack the generated code with the MATLAB packNGo command: %2
Message parameters	▪ Simulink model name ▪ packNGo error message

Reason	SICs are generated by zipping generated files with the MATLAB packNGo command. However, the generation could not be completed.
Solution	To find a solution for the problem, check the reason provided by the error message.

E01128

Message	%1 model: Could not write the %2 makefile fragment. Error message: %3
Message parameters	▪ Simulink model name ▪ Makefile fragment ▪ Error message
Reason	Could not write the specified makefile.
Solution	To find a solution for the problem, check the reason provided by the error message.

N01129

Message	Generated the %1 SIC file for the %2 model.
Message parameters	▪ SIC file ▪ Simulink model name
Reason	This message informs you that a SIC was generated.
Solution	-

E01130

Message	The DSRT version of the referenced %1 model does not match the DSRT version of the following root model: %2. Root model versions: DSRT %3 / DSRTSU %4. Protected model versions: DSRT %5 / DSRTSU %6.
Message parameters	▪ Name of protected Simulink model ▪ Name of Simulink (root) model ▪ DSRT version of root model ▪ DSRTSU version of root model ▪ DSRT version of protected model ▪ DSRTSU version of protected model
Reason	You used an older MIPS version to generate code for a protected model.
Solution	Regenerate code for the referenced model with the current MIPS version.

W01134

Message	Could not delete the temporary %1 folder: %2
Message parameters	▪ Directory ▪ Error message
Reason	DSRT code generation could not delete a folder used for SIC generation. This can cause problems in subsequent code generation runs.
Solution	Delete the folder. If you cannot delete the folder, close your MATLAB session and try again.

E01135

Message	%1 model: The Generate code only model parameter is set to 'off'.

Message parameters	▪ Simulink model name
Reason	With the dSPACE Run-Time Target (DSRT), the parameter must be set to 'on',
Solution	In the model, open the Configuration Parameters Dialog's Code Generation pane and set the parameter to 'on' by selecting the associated checkbox.

E01136

Message	%1 model: Could not generate variable description (TRC) file.
Message parameters	▪ Simulink model name
Reason	Could not generate a variable description file for the specified model.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

W01137

Message	%1 block: The block name is not compliant with the variable description file generation.
Message parameters	▪ Block with noncompliant name
Reason	Variable description files are used for tracing. You cannot trace code variables that represent blocks whose name contains a '*' or a '"' character.
Solution	Assign block names that are compatible with variable tracing, i.e., that do not contain '"' or '*'.

W01138

Message	%1 block outport %2: The signal name %3 is not compliant with the variable description file generation.
Message parameters	▪ Simulink block ▪ Outport index ▪ Line label
Reason	Variable description files are used for tracing. You cannot trace code variables that represent signals whose name contains a '*' or a '"' character.
Solution	Assign signal names that are compatible with variable tracing, i.e., that do not contain '"' or '*'.

E01139

Message	Found error in build hook function: %1
Message parameters	▪ Hook function error message
Reason	A DSRT build hook function produced an exception.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

E01140

Message	%1 model: The %2 model specific parameter is set to %3.
Message parameters	▪ Simulink model name ▪ Model specific parameter ▪ Value of model specific parameter

Reason	A model specific parameter specifies an unsupported interface.
Solution	Open the Code Generation/Interface page of the Configuration Parameters dialog and specify a valid value for the parameter.

E01142

Message	%1 referenced model: %2 block is not supported.
Message parameters	▪ Simulink model name ▪ Unsupported Simulink block
Reason	DSRT code generation found a noncompliant block in a referenced model.
Solution	When generating code for a DSRT target, make sure to reference only models that are compliant with DSRT code generation.

E01143

Message	%1: The block's S-function name is %2, which is a reserved keyword.
Message parameters	▪ S-function block ▪ S-function name
Reason	DSRT code generation found an S-function whose function name matches a reserved keyword. Reserved keywords: auto, break, case, char, const, continue, default, do, double, else, enum, extern, float, for, goto, if, int, long, register, return, short, signed, sizeof, static, struct, switch, typedef, union, unsigned, void, volatile, while, fortran, Vector, Matrix, rtInf, Inf, inf, rtMinusInf, rtNaN, NaN, nan, rtInfi, Infi, infi, rtMinusInfi, rtNaNi, NaNi, nani, cregister, far, near, interrupt, packed, unpacked, TRUE, FALSE, asm, bool, catch, class, delete, friend, inline, new, operator, overload, private, protected, public, template, this, throw, try, virtual, wchar_t, main, null, restrict, _Bool, _Complex, _Imaginary.

Solution	Rename the S-funtion block's function. This might require recompiling the S-function code.

E01144

Message	Could not generate code for the %1 model: %2
Message parameters	▪ Simulink model ▪ Error message
Reason	You started DSRT code generation from ConfigurationDesk. However, code generation could not be completed.
Solution	Switch to MATLAB and check messages printed to the Command Window, or Simulink's Diagnostic Viewer.

E01145

Message	Could not create the %1 folder: %2
Message parameters	▪ File that could not be created ▪ Error message
Reason	The specified folder could not be created.
Solution	Check the error message for the reason of the problem. For example, file system access rights might be insufficient.

E01146

Message	The protected %1 model references the following models: %2.
Message parameters	▪ Protected model ▪ List of referenced models
Reason	You cannot generate code for the DSRT target of protected models that use model referencing.
Solution	Redesign the model to make it compliant with the DSRT target.

N01147

Message	Found no invalid data for DSRT code generation in the %1 model.
Message parameters	▪ Simulink model
Reason	No invalid data (for example, unsupported blocks or blocks whose configuration is invalid for DSRT code generation) were found in the specified model. However, other problems might result in code generation errors. For example, the model must be initializable.
Solution	-

E01148

Message	Found invalid data for DSRT code generation in the %1 model.
Message parameters	▪ Simulink model

Reason	There are invalid configurations in the specified model. DSRT code generation is therefore not feasible. The following messages (printed into the MATLAB Command Window) provide details about the messages.
Solution	Check the messages in the MATLAB Command Window and correct the problems.

E01150

Message	Could not read the %1 file: %2
Message parameters	▪ File ▪ File system error message
Reason	A file could not be opened for reading.
Solution	Make sure that the file exists and there are sufficient access rights to the file system.

E01151

Message	Could not write the %1 file: %2
Message parameters	▪ File ▪ File system error message
Reason	A file could not be written.
Solution	Make sure that there are sufficient access rights to the file system.

E01153

Message	The %1 Simulink %2 passes a signal whose size is not supported by DSRT code generation.
Message parameters	▪ Simulink port block ▪ Inport or outport
Reason	A Simulink port at root level passes a signal which is neither scalar nor a vector. DSRT code generation supports only scalar or vector signals.
Solution	Make sure that Simulink ports at the model's root level pass only scalar or vector signals as opposed to bus or matrix signals.

E01154

Message	The %1 Simulink %2 passes a signal whose %3 data type is not supported by DSRT code generation.
Message parameters	▪ Simulink port block ▪ Inport or outport ▪ Data type
Reason	A Simulink port at root level passes a signal whose data type is not supported by DSRT code generation. If the message specifies the int64m_T or the uint64m_T data type, the model's 'Support long long' code generation parameter is set to 'off'. This parameter must be set to 'on' to enable 64-bit integers at model interfaces.
Solution	Use only Simulink built-in data types: double, single, int64, int32, int16, int8, uint64, uint32, uint16, uint8, boolean. Make sure that the 'Support long long' code generation parameter is set to 'on' by selecting the associated checkbox on the Hardware Implementation page of the Configuration Parameters dialog.

E01155

Message	The %1 Simulink %2 is not represented by a variable in the generated code.
Message parameters	▪ Simulink port block ▪ Inport or outport
Reason	No variable was generated for a Simulink root level port, which can thus not be made visible in ConfigurationDesk.
Solution	To force the signals to be represented by a real-time variable, select the option Test Point in the block's Signal Properties dialog.

E01157

Message	The %1 Simulink %2 passes a complex signal.
Message parameters	▪ Simulink port block ▪ Inport or outport
Reason	DSRT code generation detected a root-level Simulink port, which is configured to pass a complex signal.
Solution	Set the Signal type parameter of all root Simulink port blocks to 'real'.

E01158

Message	Could not find task for %1 block. Sample time: %2.
Message parameters	▪ Simulink block ▪ Sample time

Reason	DSRT code generation could not find the task associated with a Simulink block.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

N01160

Message	The %1 block resides in a subsystem whose 'read/write permissions' parameter is set to NoReadOrWrite.
Message parameters	▪ Model port block
Reason	During DSRT code generation, a model port block was found, which resides in a subsystem without read/write permissions. MIPS cannot generate code for the block.
Solution	Set the 'read/write permissions' parameter of the subsystem to ReadOnly, or ReadWrite.

E01161

Message	%1 model: The system target file is set to '%2'.
Message parameters	▪ Simulink model ▪ System target file
Reason	For dSPACE Run-Time Target (DSRT) code generation, the system target file must be set to 'dsrt.tlc'.
Solution	In the model, open the Configuration Parameters dialog's Code Generation pane and set the system target file to 'dsrt.tlc'.

W01162

Message	%1 model: The %2 model parameter is set to %3 while the %4 model parameter is set to %5.
Message parameters	▪ Simulink model name ▪ Model specific parameter ▪ Value of model specific parameter ▪ Model specific parameter ▪ Value of model specific parameter
Reason	Model interface parameters are non-compliant. Model interface parameters specify whether DSRT generates a TRC or an ASAP2 file.
Solution	Open the Code Generation/dSPACE Variable Description options and specify the variable description file format. DSRT code generation makes the variable description file format compliant, i.e., it modifies the model during code generation.

E01165

Message	The %1 Simulink %2 passes a bus signal with a complex bus element. Simulink.Bus object: %3. Complex bus element: %4.
Message parameters	▪ Simulink port block ▪ Inport or outport ▪ Simulink.Bus object ▪ Element of Simulink.Bus object
Reason	DSRT code generation detected a root-level Simulink port configured to pass a bus signal defined by a Simulink.Bus object. However, the object has a non-bus signal that is complex. DSRT code generation does not support complex signals at model interfaces.
Solution	For DSRT code generation, make sure to use Simulink.Bus objects at model interfaces whose signals are real.

E01166

Message	The %1 Simulink %2 passes a bus signal with a matrix bus element. Simulink.Bus object: %3. Matrix bus element: %4. Signal dimensions: %5.
Message parameters	▪ Simulink port block ▪ Inport or outport ▪ Simulink.Bus object ▪ Bus element ▪ Bus element signal dimensions
Reason	DSRT code generation detected a root-level Simulink port configured to pass a bus signal defined by a Simulink.Bus object. However, the object has a non-bus signal whose dimensions make it a matrix signal. DSRT code generation does not support matrix signals at model interfaces.
Solution	For DSRT code generation, make sure to use Simulink.Bus objects at model interfaces whose signals are scalars or vectors.

E01169

Message	The %1 data %2 block port %3 passes a bus signal with a matrix bus element. Simulink.Bus object: %4. Matrix bus element: %5. Signal dimensions: %6.
Message parameters	▪ Model port block ▪ Inport or outport ▪ Block port index ▪ Simulink.Bus object ▪ Element of Simulink.Bus object ▪ Signal dimensions
Reason	DSRT code generation detected a model port block port configured to pass a bus signal defined by a Simulink.Bus object. However, the object has a non-bus signal whose dimensions make it a matrix signal. DSRT code generation does not support matrix signals at model interfaces.
Solution	For DSRT code generation, make sure to use Simulink.Bus objects at model interfaces whose signals are scalars or vectors.

E01170

Message	The %1 data %2 block port %3 passes a bus signal with a complex bus element. Simulink.Bus object: %4. Complex bus element: %5.
Message parameters	▪ Model port block ▪ Inport or outport ▪ Block port index ▪ Simulink.Bus object ▪ Complex element of Simulink.Bus object
Reason	DSRT code generation detected a model port block port configured to pass a bus signal defined by a Simulink.Bus object. However, the object has a non-bus signal that is complex. DSRT code generation does not support complex signals at model interfaces.
Solution	For DSRT code generation, make sure to use Simulink.Bus objects at model interfaces whose signals are real.

E01172

Message	The %1 Simulink %2 passes a bus array. Simulink.Bus object: %3. Bus array dimensions: %4.
Message parameters	▪ Simulink root level port block ▪ Inport or outport ▪ Simulink.Bus object ▪ Size of bus array
Reason	DSRT code generation detected a root-level Simulink port configured to pass a bus signal defined by a Simulink.Bus object. However, the bus signal is non-scalar, that is, a bus array.
Solution	For DSRT code generation, make sure to use scalar bus signals at model interfaces.

N01173

Message	%1 model: The 'Conditional branch execution' optimization parameter is set to 'on'.
Message parameters	▪ Simulink model
Reason	When the 'Conditional branch execution' parameter is 'on', the Simulink Coder optimizes the code so that block output variables that are not required in a simulation step are not computed. If the value of associated variable is displayed (for example, in ControlDesk), it remains static.
Solution	To switch off the 'Conditional branch execution' optimization parameter, clear the associated checkbox in the model's Configuration Parameters dialog.

N01174

Message	%1 model: The 'Signal storage reuse' and 'Reuse block outputs' optimization parameters are set to 'on'. Could not generate block output trace information into the following model trace file: %2.
Message parameters	▪ Simulink model ▪ Trace file
Reason	When the optimization parameters are 'on', the Simulink Coder optimizes the code so that block output variables cannot be visualized (for example, in ControlDesk) during program execution.
Solution	To switch off the optimization parameters, clear the associated checkboxes on the Optimization page of the model's Configuration Parameters dialog.

N01175

Message	%1 model: The 'Signal storage reuse' optimization parameter is set to 'on'. The block output trace information is incomplete in the following model trace file: %2.
Message parameters	▪ Simulink model ▪ Trace file
Reason	When the optimization parameter is 'on', the Simulink Coder optimizes the code so that not all block output variables can be visualized (for example, in ControlDesk) during program execution.
Solution	To switch off the optimization parameter, clear the associated checkbox on the Optimization page of the model's Configuration Parameters dialog.

N01176

Message	%1 model: The 'Total number of instances allowed per top model' parameter is set to 'Multiple'. DSRT build cannot generate trace information for the model.
Message parameters	▪ Simulink model
Reason	When the parameter is set to 'Multiple', DSRT build cannot generate trace files, i.e., you cannot observe variables of the model during experimentation with ControlDesk, for example.
Solution	Open the Model Referencing page of the Configuration Parameters dialog and set the parameter to 'One'.

E01177

Message	Found %1 %2 block in the following protected model: %3.
Message parameters	▪ Model port block type ▪ Model port block ▪ Simulink model
Reason	MIPS does not support DSRT code generation with model port blocks in protected models.
Solution	Modify the model that you want to protect to make it compliant with MIPS.

E01178

Message	%1 model: The %2 referenced model specifies the following system target file: %3. Current system target file: %4.
Message parameters	▪ Simulink model ▪ Referenced Simulink model ▪ Code generation target of referenced model ▪ Current code generation target
Reason	The model for which you started the code generation specifies another code generation target than a referenced model.
Solution	Make sure that the top model and its referenced models specify the same system target files, i.e., 'dsrt' or 'dsrt64'.

N01179

Message	%1 model: You specified that you want to trace state and/or derivative variables, i.e., they are to appear in variable description files. However, the model uses model referencing.

Message parameters	▪ Simulink model
Reason	To trace state and derivative variables, you selected Include state and/or Include derivatives in the Code Generation/DSRT variable description pane of the Configurations Parameter dialog. Tracing state or derivative variables is not possible when a model uses model referencing.
Solution	-

N01180

Message	%1 model: the %2 structured data type contains an element %3 with an unsupported data type: '%4'.
Message parameters	▪ Simulink model ▪ Struct data type ▪ Name of struct element ▪ Unsupported struct element type
Reason	Trace file generation found a struct element whose data type is not supported for tracing, i.e., the variable will not be included in the generated variable description file. Simulink generates structured data types for bus signals. The model might have a bus with an element whose data type is not supported for trace file generation, for example, a fixed point data type with more than 64 bit.
Solution	-

N01181

Message	%1 model: Found the following custom compiler options: %2. These options will be ignored when building the real-time application on a dSPACE target.
Message parameters	▪ Simulink model ▪ Custom compiler options

Reason	You specified custom compiler options for the model. However, ConfigurationDesk and VEOS will ignore these options when compiling the generated code.
Solution	Specify compiler options in the target environment, i.e., ConfigurationDesk or VEOS.

N01182

Message	You tried to add the following files to a DSRT code generation result: %1. However, code generation is not in progress. Ignoring the files.
Message parameters	▪ Files to add
Reason	You used the dsrt_addfiles function or the obsolete dsrt_addnonbuildfiles or dsrt_addlibsobjs functions to add a file to a DSRT code generation result. However, code generation is currently not in progress. Therefore, DSRT build cannot process the files.
Solution	Make sure to call dsrt_addfiles when code generation is in progress, for example, in a DSRT build hook.

E01183

Message	DSRT build does not support code generation for subsystems.
Message parameters	-
Reason	You tried to generate code for a subsystem (as opposed to a model) with the DSRT or DSRT64 target.
Solution	Use Model Separation to separate the subsystem into a model, and generate code for this model.

N01184

Message	The following model uses 64 bit integers but you specified that the C compiler does not support long long: %1.
Message parameters	▪ Simulink model
Reason	MIPS generates trace entries for 64-bit integers only if you specify that the C compiler supports long long.
Solution	Enable the support long long option in the configuration parameters.

E01185

Message	The following Simulink %2 passes a bus signal with frame-based sampling mode: %1. Simulink.Bus object: %3. Frame-based sampling mode bus element: %4.
Message parameters	▪ Simulink port block ▪ Inport or outport ▪ Simulink.Bus object ▪ Bus element
Reason	MIPS found a frame-based bus signal that is not supported for model interfaces.
Solution	Redesign the model in such a way that frame-based signals do not constitute model interfaces.

E01186

Message	The %1 %2 block passes a %3 signal. However, the 'Support long long' code generation parameter is set to 'off'. Block port index: %4. Signal path: %5.

Message parameters	▪ Data port block ▪ Data inport or outport ▪ 64-bit data type ▪ Port index (one-based) ▪ Signal path
Reason	The specified data port block has a 64-bit signal, but the 'Support long long' code generation parameter is set to 'off'. To enable 64-bit signals at model interfaces with the DSRT target, this parameter must be set to 'on'.
Solution	Open the Configuration Parameters dialog's Hardware Implementation page, and set the 'Support long long' parameter to 'on' by selecting the associated checkbox. Save the new setting to the model.

E01187

Message	Found the following ambiguous file: %1. You also specified to add the file from %2. Platform: %3. File type: %4.
Message parameters	▪ Path to ambiguous file ▪ Path to file ▪ Platform ▪ File type
Reason	You used the dsrt_addfiles API command to add a file to an SIC or a protected model. However, you specified to add the file more than once from two different locations.
Solution	Add a file with a specified file type and platform only once.

N01188

Message	Found the following ambiguous files in the %1 protected model: %2. Platform: %3. File type: %4.

Message parameters	▪ Protected model ▪ Ambiguous files ▪ Platform ▪ File type
Reason	You used the dsrt_addfiles API command to add a file to a model. However, you had already added a file with the same name, file type and platform to a referenced protected model. This can result in target (ConfigurationDesk or VEOS) build failures.
Solution	Add each file only once.

E01189

Message	Invalid destination directory specified when using dsrt_addfiles: %1
Message parameters	▪ Destination directory
Reason	You used the dsrt_addfiles API command to add a file to an SIC file. However, you specified the destination outside the SIC file path.
Solution	Specify a destination on the SIC file path.

ConfigurationDesk API Messages

Where to go from here

Information in this section

N01901 65
N01902 65
N01903 66
N01904 66
N01905 66
E01906 67
N01907 67
N01908 67
E01909 68
E01910 68
E01911 69
E01912 69
E01913 69
E01914 70
E01915 70
E01916 70
E01917 71
E01918 71
E01919 72
E01920 72
E01921 72
E01922 73
E01923 73
E01924 74
Q01925 74
Q01926 74
Q01927 75
N01928 75

N01929 75
N01930 76
E01931 76
E01932 77

N01901

Message	%1 model: Finished model analysis (including task information).
Message parameters	▪ Simulink model
Reason	Informs you that model analysis has finished.
Solution	-

N01902

Message	%1 model: Finished model analysis (model interface only).
Message parameters	▪ Simulink model
Reason	Informs you that model analysis has finished.
Solution	-

N01903

Message	Saved the %1 ConfigurationDesk project.
Message parameters	▪ ConfigurationDesk project name
Reason	Informs you that the specified ConfigurationDesk project was saved.
Solution	-

N01904

Message	Added the %1 model to the following ConfigurationDesk project %2.
Message parameters	▪ Simulink model ▪ ConfigurationDesk project
Reason	Informs you that a Simulink model was added to a ConfigurationDesk project.
Solution	-

N01905

Message	Deleted the %1 model port block from the following ConfigurationDesk project: %2.
Message parameters	▪ Model port block ▪ ConfigurationDesk project
Reason	Informs you that a model port block was deleted from a ConfigurationDesk project.

Solution	-

E01906

Message	Could not prepare the following model: %1.
Message parameters	▪ Model
Reason	See previous note messages.
Solution	See solutions for the previous note messages.

N01907

Message	You canceled the preparation of the following model: %1.
Message parameters	▪ Model
Reason	You have canceled the model preparation.
Solution	Configure the DSRT target and save the model.

N01908

Message	Could not save the model.
Message parameters	-

Reason	You have canceled the Save As action.
Solution	Save the model.

E01909

Message	Could not retrieve data from ConfigurationDesk (command %1).
Message parameters	▪ ConfigurationDesk method
Reason	ConfigurationDesk does not respond.
Solution	Close ConfigurationDesk and start it again. If this does not help, contact dSPACE Support (www.dspace.com/go/supportrequest).

E01910

Message	Could not save the %1 model because of an error: %2.
Message parameters	▪ Model ▪ System error
Reason	See previous error message.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

E01911

Message	Could not analyze the %1 model.
Message parameters	▪ Model
Reason	ConfigurationDesk did not respond.
Solution	Check the ConfigurationDesk project configuration.

E01912

Message	Could not add the %1 model to the following ConfigurationDesk project: %2.
Message parameters	▪ Model ▪ ConfigurationDesk project
Reason	An error occurred while trying to add the model.
Solution	Open ConfigurationDesk and load the project to which you want to add the model.

E01913

Message	No active ConfigurationDesk project found.
Message parameters	-

Reason	No project opened in ConfigurationDesk.
Solution	Open a ConfigurationDesk project.

E01914

Message	The loaded ConfigurationDesk application is not active (loaded project: %1; active project: %2).
Message parameters	▪ Loaded ConfigurationDesk project ▪ Active ConfigurationDesk project
Reason	The loaded ConfigurationDesk project directory is not active.
Solution	Change the ConfigurationDesk project.

E01915

Message	No active ConfigurationDesk application.
Message parameters	-
Reason	No ConfigurationDesk application defined.
Solution	Define a ConfigurationDesk application for the project.

E01916

Message	Active ConfigurationDesk application and connected application are different (loaded application: %1; active application: %2).

Message parameters	▪ Loaded ConfigurationDesk application ▪ Active ConfigurationDesk application
Reason	The active ConfigurationDesk application and connected application are different.
Solution	Close the project in ConfigurationDesk.

E01917

Message	The opened MATLAB Version %1 is not the preferred Version %2.
Message parameters	▪ Open MATLAB version ▪ Preferred MATLAB version
Reason	You opened a non-preferred MATLAB version before calling the ConfigurationDesk command.
Solution	Close MATLAB or switch to the preferred MATLAB version in dSPACE Installation Manager.

E01918

Message	Could not analyze the following model: %1. Cannot find the model in the ConfigurationDesk model topology.
Message parameters	▪ Model
Reason	Cannot find the model in the ConfigurationDesk model topology.
Solution	Add the model to ConfigurationDesk project.

E01919

Message	Could not save the %1 ConfigurationDesk project because of the following error: %2.
Message parameters	▪ ConfigurationDesk project ▪ Error message
Reason	An error occurred while trying to save the ConfigurationDesk project.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

E01920

Message	Could not delete the %1 model port block and I/O function from the following ConfigurationDesk project: %2.
Message parameters	▪ Model port block ▪ ConfigurationDesk project
Reason	See the previous message.
Solution	Check the ConfigurationDesk project configuration.

E01921

Message	Could not connect to ConfigurationDesk.
Message parameters	-

Reason	ConfigurationDesk is busy.
Solution	Wait until ConfigurationDesk has started. Close ConfigurationDesk or abort pending process.

E01922

Message	Could not open ConfigurationDesk. You have to first accept the disclaimer.
Message parameters	-
Reason	You did not accept the disclaimer ConfigurationDesk.
Solution	Open ConfigurationDesk and accept the disclaimer.

E01923

Message	Could not connect to ConfigurationDesk.
Message parameters	-
Reason	ConfigurationDesk is not available.
Solution	Start ConfigurationDesk.

E01924

Message	Could not open ConfigurationDesk.
Message parameters	-
Reason	dSPACE Bus Manager is running.
Solution	Close dSPACE Bus Manager.

Q01925

Message	Do you want to delete the %1 model port block and the connected I/O function block from the following ConfigurationDesk project: %2?
Message parameters	▪ Model ▪ ConfigurationDesk project
Reason	You have selected to delete a model port block and the connected I/O function block.
Solution	Select Yes to delete the selected model port block in the Simulink model, the corresponding model port block in ConfigurationDesk and the connected I/O function block. Select No to skip the command.

Q01926

Message	Do you want to prepare the %1 model to create a ConfigurationDesk project?
Message parameters	▪ Model

Reason	The model must be prepared for DSRT target and saved.
Solution	Select dsrt.tlc as system target file. Save the model.

Q01927

Message	Do you want to prepare the %1 model to be added to the following ConfigurationDesk project: %2?
Message parameters	▪ Model ▪ ConfigurationDesk project
Reason	The model must be prepared for DSRT target and saved.
Solution	Select dsrt.tlc as system target file. Save the model.

N01928

Message	Created the ConfigurationDesk project for the the following model: %1.
Message parameters	▪ Model
Reason	You created a ConfigurationDesk project with the assigned open model.
Solution	-

N01929

Message	Processed %1 model port blocks. Deleted %2 model port blocks. Skipped %3 model port blocks. Could not delete %4 model port blocks.

Message parameters	▪ Number of model port blocks selected for deletion. ▪ Number of deleted model port blocks. ▪ Number of skipped model port blocks. ▪ Number of model port blocks that were not deleted.
Reason	This message informs you how many model port blocks were processed and shows you the summary.
Solution	-

N01930

Message	Skipped model port block deletion for the following block: %1.
Message parameters	▪ Model port block
Reason	This message informs you that you specified not to delete a model port block.
Solution	-

E01931

Message	Could not delete the %1 model port block in ConfigurationDesk.
Message parameters	▪ Model port block
Reason	In ConfigurationDesk, the model port block is not part of the model topology, which means that the model in ConfigurationDesk does not match the model in Simulink.
Solution	To make sure that the model in ConfigurationDesk matches the model in Simulink, call the Analyze Model Topology command.

E01932

Message	Could not delete the %1 model port block in ConfigurationDesk.
Message parameters	▪ Model port block
Reason	The model port block you wanted to delete is connected to more than one function block. Therefore, you cannot delete it.
Solution	If you want to delete the block, disconnect it from the function blocks.

ConfigurationDesk Command Messages

Where to go from here

Information in this section

W02001 78
E02002 79
N02003 79
W02005 80
E02006 80
W02008 80
W02009 81
E02010 81
N02011 82
N02012 82
E02013 83
E02014 83
N02015 84
E02016 84
N02017 85
E02019 85
E02020 86
N02021 86
N02022 87
W02023 87

W02001

Message

Warnings occurred when using the following command: %1.

Message parameters

- ConfigurationDesk command

Reason	This message notifies you that warnings occurred while using a ConfigurationDesk command.
Solution	Check messages printed to the MATLAB Command Window.

E02002

Message	Errors occurred while using the following command: %1.
Message parameters	▪ ConfigurationDesk command
Reason	This message notifies you that errors occurred while using a ConfigurationDesk command.
Solution	Check messages printed to the MATLAB Command Window.

N02003

Message	Used the following command: %1.
Message parameters	▪ ConfigurationDesk command
Reason	This message notifies you that no errors occurred while using a ConfigurationDesk command.
Solution	-

W02005

Message	The %1 %2 block specifies data type inheritance.
Message parameters	▪ Inport or outport ▪ Simulink root level port block
Reason	You analyzed a Simulink model with the Model Interface Only option. This requires that data types of root level Simulink port blocks are set explicitly.
Solution	Set the data type of the port block explicitly or start model analysis with the Including Task Information option.

E02006

Message	The %1 %2 block passes a virtual bus signal.
Message parameters	▪ Inport or outport ▪ Simulink root level port block
Reason	A root level Simulink port block passes a virtual bus signal. This is not supported for DSRT code generation.
Solution	Make sure that your model is compliant with DSRT code generation constraints.

W02008

Message	%1 %2 block: Could not compute signal width with %3 expression.
Message parameters	▪ Inport or outport ▪ Simulink root level port block ▪ Port dimensions

Reason	You analyzed a Simulink model with the Model Interface Only option. This requires that port dimensions of root level Simulink port blocks are set explicitly.
Solution	Set the port dimensions of the port block explicitly, using a numeric expression, or start model analysis with the Including Task Information option.

W02009

Message	The %1 %2 block specifies inherited port dimensions.
Message parameters	▪ Inport or outport ▪ Simulink root level port block
Reason	You analyzed a Simulink model with the Model Interface Only option. This requires that port dimensions of root level Simulink port blocks are set explicitly. However, the port dimensions parameter is set to -1.
Solution	Set the port dimensions of the port block explicitly, using a numeric expression, or start model analysis with the Including Task Information option.

E02010

Message	The block ID defined in ConfigurationDesk for the %1 block does not match the block ID defined in the Simulink model. ConfigurationDesk block ID: %2. Simulink model block ID: %3.
Message parameters	▪ Model port block ▪ Block ID in ConfigurationDesk ▪ Block ID in the Simulink model
Reason	You called the 'Show in Simulink Model' command for a model port block. The block exists in the hierarchy of the model, however, its block ID does not match the ID specified in ConfigurationDesk.

Solution	Delete or rename the model port block in Simulink. Alternatively, use the Analyze Simulink Model (Model Interface Only) command in ConfigurationDesk to update the model interface in ConfigurationDesk, or assign the block ID specified in ConfigurationDesk.

N02011

Message	%1 block: Changed the block name '%2' to '%3' to make it unique.
Message parameters	▪ Model port block ▪ Name specified in ConfigurationDesk/Bus Manager ▪ Unique name
Reason	You used the Generate New Simulink Model Interface or the Propagate to Simulink Model command in ConfigurationDesk or the Bus Manager to pass a model interface to Simulink. To have unique block names, MIPS had to modify a specified name.
Solution	In ConfigurationDesk, use the Analyze Simulink Model commands to synchronize the configuration in ConfigurationDesk with the Simulink model.

N02012

Message	%1 block: Found the following duplicate signal: %2. Renamed the signal to '%3'.
Message parameters	▪ Model port block ▪ Signal path ▪ New signal name
Reason	You used the Generate New Simulink Model Interface or the Propagate to Simulink Model command in ConfigurationDesk or the Bus Manager. MIPS modified a signal name to make it unique.
Solution	-

E02013

Message	Found an invalid signal name: %1. Block path: %2. Signal path: %3.
Message parameters	▪ Signal name ▪ Block path ▪ Signal path
Reason	You used the Generate New Simulink Model Interface or the Propagate to Simulink Model command in ConfigurationDesk or the Bus Manager. However, MIPS was not able to process the ConfigurationDesk or Bus Manager data, because a signal has an invalid name.
Solution	Make sure all signal names are valid, i.e., that they comply with MIPS rules for signal names: Signal names must neither be empty nor start or end with '/'.

E02014

Message	Found an unsupported data type: %1. Block path: %2. Signal path: %3.
Message parameters	▪ Data type ▪ Block path ▪ Signal path
Reason	You used the Generate New Simulink Model Interface or the Propagate to Simulink Model command in ConfigurationDesk or the Bus Manager. However, MIPS was not able to process the ConfigurationDesk or Bus Manager data, because a signal has a data type that is not supported by MIPS.
Solution	Use only MIPS-compliant data types.

N02015

Message	%1 %2 block %3 signal: Modified the following unsupported data type to 'double': %4.
Message parameters	▪ Model port block ▪ Block type ▪ Signal path ▪ Unsupported data type
Reason	You used the Generate New Simulink Model Interface or the Propagate to Simulink Model command in ConfigurationDesk or the Bus Manager. MIPS found a signal with a data type that is not supported by MIPS, and applied 'double' instead.
Solution	-

E02016

Message	%1 block is not a %2.
Message parameters	▪ Model port block ▪ Block type
Reason	You tried to write port block data to a block whose type does not match the data. For example, the block is a Data Outport while the data should be written to a Data Inport. This error occurs if you have a model with model port blocks whose block IDs are identical, but whose types do not match.
Solution	Make sure to assign identical block IDs only to model port blocks that have the same type.

N02017

Message	%1 block: Found the following invalid signal name: %2. Renamed the signal to %3. Signal path: %4.
Message parameters	▪ Model port block ▪ Previous (invalid) signal name ▪ Modified signal name ▪ Signal path
Reason	A signal name passed from ConfigurationDesk or the Bus Manager was invalid, because it contained a dot ('.'). Simulink does not support dots in signal names. The dot was replaced by a colon (':').
Solution	-

E02019

Message	The %1 block has the following ambiguous block ID: %2. %3 blocks use this ID.
Message parameters	▪ Block ▪ Ambiguous ID ▪ Number of blocks with the ID
Reason	The Simulink model that you want to analyze, for example, to add it to a ConfigurationDesk project, has blocks with ambiguous block IDs. This happens, for example, if you placed more than one RTI CAN MultiMessage Controller Setup block with identical controller names in a model.
Solution	Make sure to have unique IDs by deleting the duplicate block, for example. Alternatively, refer to the block documentation (accessible via the Help button of the block dialogs) to learn how to assign valid block parameters.

E02020

Message	The %1 block has the following ambiguous port ID: %2. %3 blocks use this ID.
Message parameters	▪ Block ▪ Ambiguous port ID ▪ Number of blocks with the port ID
Reason	The Simulink model that you want to analyze, for example, to add it to a ConfigurationDesk project, has blocks with ambiguous port IDs. This happens, for example, if you placed more than one RTI CAN MultiMessage Controller Setup block with identical controller names in a model.
Solution	Make sure to have unique IDs by deleting the duplicate block, for example. Alternatively, refer to the block documentation (accessible via the Help button of the block dialogs) to learn how to assign valid block parameters.

N02021

Message	%1 block: Changed the following block name %3 to make it compliant with Simulink constraints: %2.
Message parameters	▪ Model port block ▪ Name specified in ConfigurationDesk/Bus Manager ▪ Simulink-compliant name
Reason	You used the Generate New Simulink Model Interface, the Propagate to Simulink Model command in ConfigurationDesk, or the Bus Manager to pass a model interface to Simulink. The name of a block did not comply with Simulink constraints for block names, i.e., its first or last character was a '/'.
Solution	In ConfigurationDesk, use the Analyze Simulink Model commands to synchronize the configuration in ConfigurationDesk with the Simulink model.

N02022

Message	%1 block port %2: Assigned the following Simulink.Bus object: %3.
Message parameters	▪ Data port block ▪ Port index (one-based) ▪ Simulink.Bus object
Reason	This message informs you that MIPS assigned a Simulink.Bus object to the specified data port.
Solution	-

W02023

Message	Could not create the following block: %1 %2. The following %3 block already uses the specified ID: %4.
Message parameters	▪ Block type ▪ Model port block to create ▪ Model port block in target model ▪ Block ID
Reason	You called the Generate New Simulink Model Interface menu command in ConfigurationDesk for a selected number of blocks and a selected target model. This command creates corresponding model port blocks in the target model. However, the target model already contains a model port block with the specified ID, which means that the model interface already exists.
Solution	Create model port blocks that do not exist in the target model.

DSRT Configuration Messages

N01801

Message	Modified the %1 option from %2 to %3.
Message parameters	▪ Property name ▪ Previous property value ▪ New property value
Reason	This message notifies you that a dSPACE run-time target (DSRT) code generation option was modified.
Solution	-

Data Handler Messages

Where to go from here

Information in this section

E01601 90
E01602 90
E01603 90
E01604 91
N01605 92
E01606 92
E01607 92
E01608 93
E01609 93
E01611 94
E01612 94
E01613 95
E01614 95
E01615 96
E01616 96
N01617 96
E01618 97
E01619 97
E01620 98
W01621 98
E01622 99
E01623 99
E01624 100
N01625 100
E01626 100
E01627 101
E01628 101

E01601

Message	Could not write data to %1 %2: %3
Message parameters	▪ Model port block type ▪ Model port block ▪ Simulink error message
Reason	Writing data to the block failed. The message provides details about the reason.
Solution	Check the message for possible reasons why writing failed. For example, the block might be read-only, or its model is simulating.

E01602

Message	The %1 %2 has an ambiguous block ID: %3. %4 blocks use this ID.
Message parameters	▪ Model port blocktype ▪ Model port block ▪ Block ID ▪ Number of model port blocks with this ID
Reason	The specified model port has a block ID that is also used by other active blocks.
Solution	Assign unique IDs to all active model port blocks in the model. To do this with block dialogs, you need to set the MIPS preference EnableEditIDs to true. Alternatively, you can set and retrieve block IDs with the dsmpb_get and dsmpb_get MIPS API commands. Active blocks are blocks that are not commented out nor part of an inactive variant.

E01603

Message	The signal ID of the %1 signal of the %2 %3 is %4. Signal %5 of %6 %7 uses the same ID.

Message parameters	▪ Name of signal of 1st block ▪ Model port block type of 1st block ▪ 1st block ▪ Signal ID ▪ Name of signal of 2nd block ▪ Model port block type of 2nd block ▪ 2nd block
Reason	The specified model port signal has an ID that is also used by signals of other active blocks.
Solution	Assign unique IDs to all active model port blocks in the model. To do this with block dialogs, you have to set the MIPS EnableEditIDs preference to true. Alternatively, you can set and retrieve signal IDs with the dsmpb_get and dsmpb_get MIPS API commands. Active blocks are blocks that are not commented out nor part of an inactive variant.

E01604

Message	The runnable function block %1 has an ambiguous function name: %2. %3 blocks use this function name.
Message parameters	▪ Runnable function block ▪ Name of runnable function ▪ Number of runnable function blocks that have this runnable function name
Reason	An active runnable function block has an ambiguous function name.
Solution	Make sure to have distinct function names. Active blocks are blocks that are not commented out nor part of an inactive variant.

N01605

Message	%1 %2 resides in %3 %4 subsystem.
Message parameters	▪ Model Port block type ▪ Model Port block ▪ Subsystem ▪ Type of iterator subsystem
Reason	Found a model port block that resides in a WhileIterator, ForIterator, or ForEach subsystem. Therefore, connected hardware is written to or read from more than once in each simulation step during simulation with generated code. This can result in task overflows and unexpected simulation behavior.
Solution	Use custom I/O functions instead.

E01606

Message	%1 %2 block resides in Stateflow %3 %4.
Message parameters	▪ Model port block type ▪ Model port block ▪ Chart, Truth Table, or MATLAB Function ▪ Stateflow block
Reason	A model port block resides in a subsystem that is part of a Statechart.
Solution	Modify the model to make it compliant with MIPS.

E01607

Message	The following Simulink.Bus object that must be applied to the %2 block is undefined: %1.

Message parameters	▪ Name of undefined Simulink.Bus object ▪ Model port block
Reason	You tried to assign a Simulink.Bus object to a model port block. However, the object is undefined.
Solution	Before assigning Simulink.Bus objects, you must create them in the base workspace or the model's Data Dictionary.

E01608

Message	Found the following unsupported data type at the %2 bus element: %1.
Message parameters	▪ Unsupported data type ▪ Bus element
Reason	For model port block signals, MIPS supports only Simulink's built-in data types.
Solution	Modify the Simulink.Bus object and make sure to assign only Simulink built-in data types to the bus elements. Alternatively, assign another Simulink.Bus object.

E01609

Message	The following bus element specifies a complex signal: %1.
Message parameters	▪ Bus element
Reason	For model port blocks, MIPS does not support complex signals.
Solution	Modify the Simulink.Bus object and make sure to set the Complexity parameter of all bus elements to 'real'. Alternatively, assign another Simulink.Bus object.

E01611

Message	The following bus element specifies a %2 matrix signal: %1.
Message parameters	▪ Bus element ▪ Signal size
Reason	For model port blocks, MIPS supports only scalar and vector signals.
Solution	Modify the Simulink.Bus object and make sure to set the Dimensions parameter of all bus elements to values that specify a scalar or a vector. Alternatively, assign another Simulink.Bus object.

E01612

Message	%1 %2 block has %3 signals, but %4 signal IDs are defined.
Message parameters	▪ Model Port block type ▪ Model Port block ▪ Number of signals ▪ Number of signal IDs
Reason	You assigned signal IDs to a model port block, but the number of IDs does not match the number of signals.
Solution	Make sure to assign one ID to each block signal. To do this with the block's dialog, you need to set the MIPS preference EnableEditIDs to true. Alternatively, you can set and retrieve signal IDs with the dsmpb_get and dsmpb_get MIPS API commands.

E01613

Message	Found %1 %2 block in %3 referenced model.
Message parameters	▪ Model port block type ▪ Model port block ▪ Referenced Simulink model
Reason	MIPS does not support DSRT code generation with active model port blocks in referenced models.
Solution	Modify the referenced model to make it compliant with MIPS. Alternatively, reference a complaint model. Active blocks are blocks that are not commented out nor part of an inactive variant.

E01614

Message	The %1 %2 has a block ID that matches the name of the %3 root-level Simulink port block.
Message parameters	▪ Model port block type ▪ Model port block ▪ Simulink port block
Reason	For root-level Simulink port blocks, MIPS uses the block name as the block ID, which is passed to ConfigurationDesk to identify the block. Consequently, you cannot use the block name as a block ID for model port blocks in the model.
Solution	Assign IDs that do not match Simulink port block names to all active model port blocks in the model. To do this with block dialogs, you have to set the MIPS EnableEditIDs preference to true. Alternatively, you can set and retrieve block IDs with the dsmpb_get and dsmpb_get MIPS API commands. Active blocks are blocks that are not commented out nor part of an inactive variant.

E01615

Message	Model %1: The current solver is %2, which is not supported.
Message parameters	▪ Simulink model ▪ Current solver
Reason	The model's solver must be a fixed-step solver.
Solution	In the model's Configuration Parameters dialog, select a fixed-step solver.

E01616

Message	Model %1: The Higher priority value indicates higher task priority model parameter is set to 'on'.
Message parameters	▪ Simulink model
Reason	To enable DSRT code generation, the specified model parameter must be 'off'.
Solution	In the model's Configuration Parameters dialog, set the parameter to 'off'.

N01617

Message	Migrated the %1 %2 block.
Message parameters	▪ Model port block ▪ Block type
Reason	This message informs you that the specified block was migrated to the current MIPS version.

Solution	-

E01618

Message	The signal ID of the %1 signal of the %2 %3 is %4 and thus matches the signal ID of the %5 root-level port.
Message parameters	▪ Name of signal of model port block ▪ Model port block type ▪ Model port block ▪ Signal ID ▪ Root level Simulink port block
Reason	For root-level Simulink port blocks, MIPS assigns <blockName>.1 as signal ID. However, this ID is also used by the specified model port block.
Solution	Modify the signal ID of the model port block.

E01619

Message	%1 block: Found the invalid %2 signal name.
Message parameters	▪ Model port block ▪ Signal name
Reason	MIPS found a model port block with an invalid signal name. Signal names cannot - be empty - contain only whitespace characters, for example, blanks - start or end with the '/' character The invalid signal name will be applied to the block. However, subsequent model initializations will not complete.
Solution	Open the block dialog and assign valid signal names. Alternatively, if you specified the signal name in ConfigurationDesk, correct it and use the Propagate command to apply it to the block in the model.

E01620

Message	%1 block: Found the invalid %2 runnable function name.
Message parameters	▪ Runnable function block ▪ Runnable function name
Reason	MIPS found a runnable function block with an invalid runnable function name. Runnable function names cannot - be empty - contain only whitespace characters, for example, blanks - start or end with the '/' character The invalid name will be applied to the block. However, subsequent model initializations will not complete.
Solution	Open the block dialog and assign valid signal names. Alternatively, if you specified the runnnable function name in ConfigurationDesk, correct it and use the Propagate command to apply it to the block in the model.

W01621

Message	Found the %1 %2 block in the %3 configurable subsystem.
Message parameters	▪ Block type ▪ Model port block ▪ Configurable subsystem
Reason	MIPS assigns block and signal IDs to the blocks to be able to identify them in ConfigurationDesk. If you use configurable subsystems in a model, you might lose IDs in the following case: - You have a library with a configurable subsystem, and one block choice is a subsystem that contains model port blocks. - You copy the configurable subsystem to a model and assign the block choice. Thus, the configurable subsystem contains model port blocks. - You open the model in ConfigurationDesk and connect the signals in the signal chain. All model port blocks and their signals are resolved. - You save and close the model. - You reopen the model and assign a different block choice. Now the configurable subsystem does not contain any model port blocks. - You save and close the model. - You reopen the model and assign the block choice that contains model port blocks. However, the blocks' IDs are now lost. MIPS assigns new IDs when they are requested, for example, during DSRT code generation. - You run Model

	Analysis (Model Topology only) in ConfigurationDesk. Model port blocks and their signals are now unresolved.
Solution	Do not use configurable subsystems with MIPS and DSRT code generation.

E01622

Message	The following Simulink.Bus object assigned to the %2 block has no elements: %1.
Message parameters	▪ Simulink.Bus object ▪ block
Reason	You assigned a Simulink.Bus object to a block that has no elements, or an element in its hierarchy whose data type is another Simulink.Bus object without elements.
Solution	Assign Simulink.Bus objects with elements.

E01623

Message	%1 block: The number of typed signals is %2, which is greater than 3,000.
Message parameters	▪ Data port block ▪ Number of signals
Reason	You tried to apply a signal configuration to a model port block which specified more than 3,000 signals. Data port block cannot have more than 3,000 signals. Note that typed bus signals (signals specified with Simulink.Bus objects) count as one signal.
Solution	Use Simulink.Bus object if you want to have more than 3,000 signals for one block. Alternatively, split the signal configuration and use more than one data port block to pass the signals.

E01624

Message	Could not create Simulink.Bus object: The name of the following signal does not comply with rules for elements of Simulink.Bus objects: %1.
Message parameters	▪ Path to invalid signal name
Reason	You tried to create a Simulink.Bus object for a structured data port, that is, an untyped bus signal. This is only possible if the names of all signals in the bus are valid MATLAB identifiers.
Solution	Rename the signal whose name is noncompliant.

N01625

Message	Created the following Simulink.Bus object in the %2: %1.
Message parameters	▪ Name of Simulink.Bus object ▪ Base workspace or model Data Dictionary
Reason	This message informs you that MIPS created a Simulink.Bus object in the base workspace, or the Data Dictionary of the model. When the Simulink.Bus object is created in the Data Dictionary of the model, saving the model will save the object. When it is created in the base workspace, you must make sure that it is saved, for example, in a MAT file. Otherwise, when you open the model in your next MATLAB session, you will not be able to initialize it.
Solution	-

E01626

Message	%1 model: Could not open the following Data Dictionary: %2. Simulink error message: %3

Message parameters	▪ Simulink model ▪ Data Dictionary file ▪ Simulink error message
Reason	The specified model is associated with a Data Dictionary. Could not open the Data Dictionary.
Solution	Check the Simulink error message for the reason of the problem. For example, the Data Dictionary file might be unavailable.

E01627

Message	Could not create Simulink.Bus object: Width of the %1 signal is specified with a nonnumeric %2 expression.
Message parameters	▪ Path to signal ▪ Nonnumeric expression
Reason	You tried to create a Simulink.Bus object for a structured data port, i.e., an untyped bus signal. This is possible only if the widths of all signals are defined by numeric expressions as opposed to workspace variables.
Solution	Specify the width of all signals by numeric expressions.

E01628

Message	A %1 block %2 resides in the %3 Simulink Function subsystem.
Message parameters	▪ Type of the model port block ▪ Model port block ▪ Simulink Function subsystem

Reason	Found a model port block that resides in a Simulink Function subsystem. This is not supported by MIPS.
Solution	Model port blocks must not reside in Simulink Function subsystems.

ID Managment Messages

Where to go from here

Information in this section

W01701 103
E01702 103

W01701

Message

%1 block: Could not retrieve block ID and signal IDs. Assigned new values. Block ID: %2. Signal IDs: %3.

Message parameters

- Model port block
- Block ID
- Signal IDs

Reason

The block IDs and signal IDs of a model port block were not set. New ID values were assigned to make sure that the block has valid IDs. Block and signal IDs help identify a model port block in ConfigurationDesk.

Solution

To make sure that the model's ID data is consistent, call the dsmpb_migrate migration tool.

E01702

Message

%1 %2 block lacks signal IDs.

Message parameters

- Model port block type
- Model port block

Reason

The model port block has no assigned signal IDs.

Solution	Open the block dialog and enter signal IDs. To edit IDs, you must set the EnableEditIDs MIPS preference to true. You can set MIPS preferences with the dsmpb_pref function.

Model Interface Blockset Messages

Where to go from here

Information in this section

E01201 105
E01202 106
E01203 106
E01204 107
E01205 107
E01206 108
E01207 108
E01208 108
W01209 109
E01210 109

E01201

Message

%1 block: Found unsupported data type %2 at port %3.

Message parameters

- Mode lport block
- Data type
- Port

Reason

The data type of a model port block signal is not supported by MIPS. For signals, MIPS supports only built-in Simulink data types. For example, Simulink enums or Simulink.NumericType objects are not supported.

Solution

Modify the block data and assign one of Simulink's built-in data types. If the signal is specified by a Simulink.Bus object, modify this object.

E01202

Message	%1 block: Found unsupported data type at the following port: %2. The data type is specified by a %3 object.
Message parameters	▪ Model port block ▪ Block port ▪ Class of object that specifies data type
Reason	The data type of a model port block signal is not supported by MIPS. In this case, it is defined by a Simulink object. For signals, MIPS supports only built-in Simulink data types. For example, Simulink enums or Simulink.NumericType objects are not supported.
Solution	Modify the block data and assign one of Simulink's built-in data types. If the signal is specified by a Simulink.Bus object, modify this object.

E01203

Message	%1 block: Found invalid sample time. The specified value is a %2 %3 array.
Message parameters	▪ Model port block ▪ Size of specified sample time ▪ Data type of specified sample time
Reason	For the block sample time, you specified an expression that yields an invalid value.
Solution	Assign an expression that yields a valid sample time. Refer to the Simulink documentation to learn about sample time issues.

E01204

Message	%1 block: Found invalid signal width at port %2. The specified value is a %3 %4 array. Value: %5.
Message parameters	▪ Model port block ▪ Block port ▪ Size of specified width ▪ Data type of specified width ▪ Signal width value
Reason	For the width of a block signal, you specified an expression that does not specify a scalar or a vector. MIPS supports only scalar and vector signals.
Solution	Assign an expression that yields an integer value >= 1.

E01205

Message	%1 block: Found invalid initial value at the following port: %2. The specified value is a %3 %4 array. The signal has %5 element(s).
Message parameters	▪ Model port block ▪ Port ▪ Size of specified initial value ▪ Data type of specified initial value ▪ Signal width
Reason	For the initial value of a block signal, you specified an expression that yields a value which does not match the signal width.
Solution	Specify an expression that yields a value which does matches the signal width. Scalar expansion is supported.

E01206

Message	%1 block: Found invalid task priority. Specified value: %2.
Message parameters	▪ Runnable function block ▪ Task priority
Reason	You set the runnable function block's required priority parameter to a value that is not in the [0, 127] range.
Solution	Assign a priority in the [0, 127] range.

E01207

Message	%1 block: Found invalid initial value at port %2. Type-specific range %3 does not cover value of %4. Data type: %5.
Message parameters	▪ Data Inport block ▪ Port ▪ Type-specific range ▪ Out-of-range value ▪ Signal data type
Reason	You specified an initial value that is outside the range defined by a signal data type.
Solution	Specify an initial value that is covered by the type-specific range.

E01208

Message	%1 block: Found invalid initial value at the following port: %2. MIPS does not support NaN values.

Message parameters	▪ Data Inport block ▪ Port
Reason	You specified an initial value that contains NaNs.
Solution	Specify initial values that are not NaNs.

W01209

Message	%1 block: Found noninteger initial values at the following port: %2. Data type: %3.
Message parameters	▪ Data Inport block ▪ Port ▪ Signal data type
Reason	You specified an initial value that contains noninteger values while the signal data type is an integer type. For simulation and code generation, the values will be truncated.
Solution	If a signal data type is an integer type, make sure to specify initial values that are integers.

E01210

Message	%1 block: Found invalid initial value at port %2. MIPS does not support infinite values.
Message parameters	▪ Data Inport block ▪ Port
Reason	You specified an initial value that contains infinite values.

Solution	Specify an initial values that are finite.

Preferences Messages

Where to go from here

Information in this section

E02102 111
E02103 111
E02104 112
E02105 112

E02102

Message

Could not write the %1 preference to the %2 folder: %3

Message parameters

- Preference
- Directory where preferences are saved
- Error message

Reason

MIPS preferences could not be saved to the MIPS.ucd file in the specified folder. The message provides the reason for the problem.

Solution

Check the error message to find the reason of the problem. Make sure to have write access to the file.

E02103

Message

Could not read the %1 preference from the %2 folder: %3

Message parameters

- Preference
- Folder where preferences are saved
- Error message

Reason	MIPS preferences could not be read from the MIPS.ucd file in the specified folder.The message provides the reason for the problem.
Solution	Check the error message to find the reason of the problem. Make sure to have read and write access to the file.

E02104

Message	Could not save preferences to the %1 folder: %2
Message parameters	▪ Folder where preferences are saved ▪ Error message
Reason	MIPS preferences could not be saved to the MIPS.ucd file in the specified folder.The message provides the reason for the problem.
Solution	Check the error message to find the reason of the problem. Make sure to have write access to the file.

E02105

Message	Could not read preferences from the %1 folder: %2
Message parameters	▪ Folder where preferences are saved ▪ Error message
Reason	The MIPS.ucd file in the specified folder contains invalid content. The message provides the reason for the problem.
Solution	Check the error message to find the reason for the problem. Delete the file and save preferences with the dsmpb_pref('save') command. This will create a new file with valid content.

Model Separation Messages

Where to go from here

Information in this section

E01401 ... 114
E01402 ... 115
E01403 ... 115
E01404 ... 116
E01405 ... 116
E01406 ... 116
E01407 ... 117
E01408 ... 117
E01409 ... 118
E01410 ... 118
E01411 ... 118
E01412 ... 119
E01413 ... 119
E01414 ... 120
W01415 ... 120
E01416 ... 120
E01417 ... 121
E01418 ... 121
E01419 ... 122
E01420 ... 122
E01421 ... 122
E01422 ... 123
E01423 ... 123
E01424 ... 124
E01425 ... 124
E01427 ... 124
E01428 ... 125
N01430 ... 125

N01431 ... 126
E01432 ... 126
Q01433 ... 127
E01434 ... 127
E01435 ... 127
E01438 ... 128
E01439 ... 128
Q01440 ... 129
N01441 ... 129
N01442 ... 129
E01443 ... 130
E01444 ... 130
E01445 ... 131
E01446 ... 131
E01447 ... 131
E01448 ... 132
E01449 ... 132
E01450 ... 133

E01401

Message	The port dimensions of %1 %2 is set to %3.
Message parameters	▪ Inport or outport ▪ Port ▪ Port dimensions
Reason	The block port dimensions parameter is not specified explicitly, i.e., not set to a numeric expression that defines the number of elements of the port signal. For example, port dimensions is set to -1 (which means inherited) or to a workspace variable. Without model initialization, model separation requires this information.

Solution	Either run model separation with the Initialize model set to 'on' or explicitly specify the port dimensions.

E01402

Message	The size of %1 %2 is set to %3.
Message parameters	▪ SF Input or Output ▪ SF object type ▪ Size
Reason	The Stateflow object's size parameter is not specified explicitly, i.e., not set to a numeric expression that defines the number of elements of the object. For example, the size is set to -1 (which means inherited) or to a workspace variable. Without model initialization, model separation requires this information.
Solution	Either run model separation with Initialize model set to 'on' or specify the size explicitly.

E01403

Message	%1 %2 signal %3 passes a %4 matrix.
Message parameters	▪ Inport or outport ▪ Port ▪ Signal ▪ Signal size
Reason	The block passes a matrix signal. Model separation supports only scalar and vector signals.
Solution	Redesign the model or assign subsystems to target models so that matrix signals are confined to one model and do not constitute a model interface.

E01404

Message	An error occurred in the following %1 hook function: %2. Error message: %3
Message parameters	▪ Hook function type ▪ Hook function ▪ Error message
Reason	The hook function you provided returned an error.
Solution	Check the error message produced by the hook function.

E01405

Message	Could not run the following %1 hook function: %2. Error message: %3
Message parameters	▪ Hook function type ▪ Hook function ▪ Error message
Reason	The specified hook function you provided produced an exception.
Solution	Check the error message for reasons explaining why the exception occurred. For example, the function might contain a syntax error.

E01406

Message	%1 is not a valid Simulink model name.
Message parameters	▪ Invalid model name

Reason	For model separation, you specified a model name that does not comply with the rules for MATLAB variables, which also apply to Simulink model names.
Solution	Modify the model name to make it compliant with rules for MATLAB variables. A valid variable name is a string with letters, digits, and underscores with a maximum length of <= namelengthmax. The first character must be a letter. The name must not be a keyword such as switch, if, else, for, try, etc.

E01407

Message	You specified the following model names more than once: %1.
Message parameters	▪ List of affected models
Reason	You specified a target model more than once.
Solution	Specify target models so that each model has a unique name.

E01408

Message	The name of the following target model is equal to the name of the source model: %1.
Message parameters	▪ Source model
Reason	You specified a target model whose name equals the name of the source model. This is not possible.
Solution	Specify a target model name that is not equal to the source model name.

E01409

Message	No subsystems assigned to the following model: %1.
Message parameters	▪ Simulink model
Reason	For model separation, you did not specify any subsystem to be separated into the specified model.
Solution	Assign a subsystem.

E01410

Message	Could not find the subsystems assigned to the %1 model: %2
Message parameters	▪ Simulink model ▪ Names of subsystems
Reason	For model separation, you specified subsystems that do not exist. For example, you renamed or deleted an assigned subsystem.
Solution	Make sure that all specified subsystems exist.

E01411

Message	Could not separate the following subsystem: %1.
Message parameters	▪ Subsystem

Reason	The specified subsystem cannot be separated into a model.
Solution	Check error messages that follow this message.

E01412

Message	Could not create directory %1: %2
Message parameters	▪ Directory ▪ Reason why the directory could not be created
Reason	You specified a directory where model separation must save the newly created target models. The directory did not exist and could not be created.
Solution	Check the reason specified in the message.

E01413

Message	Could not retrieve signal attributes of %1 port %2 without initializing the model.
Message parameters	▪ Port type ▪ Port block
Reason	For Enable and Trigger ports as well as Bus Element blocks, model separation and model analysis can retrieve signal properties, such as data type and dimensions, only if the model is initialized.
Solution	Model separation: Run model separation with 'Initialize model' set to 'on'. Model analysis: Call the 'Analyze model including tasks' command instead of the 'Analyze model topology' command. The model has bus element ports on the root level.

E01414

Message	Found invalid path for the %1 model: %2.
Message parameters	▪ Model name ▪ Invalid path
Reason	You specified that model separation must generate files to a directory. However, you specified a file path that does not comply with the rules of the operating system.
Solution	Make sure to specify paths that comply with rules for file paths. You can specify - Relative paths starting with '.' or '..' - Absolute paths starting with '<drive letter>:\', for example, 'E:\' .- - UNC paths, for example, '\\server\MyFolder'

W01415

Message	You assigned the %1 subsystem to more than one model: %2. Ignoring all but the first model.
Message parameters	▪ Simulink Subsystem ▪ Models to which the subsystem is assigned
Reason	You specified that model separation must copy a subsystem to more than one model. This is not possible.
Solution	Make sure to assign a subsystem only to one target model.

E01416

Message	You specified an empty model name for the following subsystem: %1.
Message parameters	▪ Simulink subsystem

Reason	The subsystem's Tag parameter specifies the name of the model into which model separation must place the subsystem. However, the name is empty.
Solution	Open the model separation setup and make sure to specify non-empty model names.

E01417

Message	You did not save the %1 model.
Message parameters	▪ Simulink model
Reason	The specified model was never saved to a file. Before you can run model separation, you must save the model that you want to separate.
Solution	Save the model to a file.

E01418

Message	Could not create the %1 model.
Message parameters	▪ Name of the model that you want to create.
Reason	Model separation could not create a Simulink model to which subsystems must be copied.
Solution	Check the error messages that follow this message.

E01419

Message	An error occurred in the following model: %1. Could not write model separation data.
Message parameters	▪ model
Reason	The model separation data that must be written is invalid.
Solution	Refer to the detailed messages printed to the MATLAB Command Window.

E01420

Message	Could not complete model separation.
Message parameters	-
Reason	Could not complete model separation.
Solution	Check the messages that printed to the MATLAB Command Window.

E01421

Message	Could not write the %1 MCD file: %2
Message parameters	▪ MCD file ▪ File I/O error message
Reason	Could not write the Model Communication Description (MCD) file.

Solution	Check the error message for reasons explaining why writing the file could not be completed. For example, you might not have the access rights to the file system.

E01422

Message	You assigned the following subsystem to the %1 model: %2. Model separation cannot process the subsystem.
Message parameters	▪ Simulink model ▪ Subsystems that cannot be assigned.
Reason	Subsystems that you want to be processed by model separation must meet the following conditions: - Their Permissions parameter must not be set to NoReadOrWrite. - The only Simulink port types are inport, outport, enable, and non-function-call trigger ports. For example, you cannot assign subsystems with an action port. - Configurable subsystems are not supported. - Bus Element ports are not supported. - The subsystem must not be commented out or through.
Solution	Make sure to assign subsystems that can be processed by model separation.

E01423

Message	Could not copy the %1 parameter from %2 to %3: %4
Message parameters	▪ Model-specific parameter ▪ Source model ▪ Target model ▪ Simulink error message
Reason	Model separation could not copy a model-specific parameter from the source model to the newly generated target model.
Solution	Contact dSPACE Support (www.dspace.com/go/supportrequest).

E01424

Message	The data type of the %1 %2 signal %3 is set to %4.
Message parameters	▪ Inport or outport ▪ Port ▪ Signal ▪ Port data type
Reason	MIPS found a signal data type that is not supported for model interfaces. This is the case for enum and fixed-point types, for example.
Solution	Redesign the model so that signals with unsupported data types do not constitute model interfaces.

E01425

Message	%1 %2 signal %3 is complex.
Message parameters	▪ Inport or outport ▪ Port ▪ Signal
Reason	MIPS found a complex signal that is not supported for model interfaces.
Solution	Make sure that the signals you want to use for model interfaces are real.

E01427

Message	The %1 %2 signal %3 passes a %4 bus array.
Message parameters	▪ Inport or outport ▪ Port

	▪ Signal ▪ Bus array dimensions
Reason	MIPS found a bus array signal that is not supported for model interfaces.
Solution	Redesign the model in such a way that bus array signals do not constitute model interfaces.

E01428

Message	%1 %2 passes a frame based signal.
Message parameters	▪ Inport or outport ▪ Port
Reason	MIPS found a frame-based signal that is not supported for model interfaces.
Solution	Redesign the model in such a way that frame-based signals do not constitute model interfaces.

N01430

Message	Model separation finished without errors.
Message parameters	-
Reason	This message informs you that model separation finished without errors.
Solution	-

N01431

Message	The %3 parameter of %1 %2 was set to %4 (previous value: %5).
Message parameters	▪ Inport or outport ▪ Port ▪ Parameter ▪ New parameter value ▪ Old parameter value
Reason	The parameter of a Simulink port block was made explicit. For example, the block data type was set from 'inherit: auto' to 'double'.
Solution	-

E01432

Message	Found %1 block %2 that must be processed. However, the model compilation is disabled.
Message parameters	▪ Block type - Goto or From ▪ Block
Reason	Model separation or model analysis cannot analyze the specified block without model compilation. The block is a Goto, From, or Bus Element Port block.
Solution	Model separation: Run model separation with 'Initialize model' set to 'on'. Model analysis: Call the 'Analyze model including tasks' command instead of the 'Analyze model topology' command. The model has bus element ports on the root level.

Q01433

Message	Do you want to copy the %1 demo model to your current working directory: %2 ?
Message parameters	▪ Demo model ▪ Current working directory
Reason	To work with the demo model, you can copy it to your current working directory. Then, you can alter the copy while the actual demo model remains as it is.
Solution	Select 'Copy model' to copy the model to your working directory and open it. Select 'Open model' to open the model without copying it.

E01434

Message	A %1 model already exists and is open.
Message parameters	▪ Model
Reason	You specified a target model name, but a model with this name exists and is already open.
Solution	Close the specified model. Model separation will generate a new model with the same name and overwrite the existing model. Alternatively, specify another model name.

E01435

Message	Could not save the %1 model to the following file: %2
Message parameters	▪ Simulink model ▪ Simulink error message

Reason	Could not save the model to a file.
Solution	Check the error message for reasons explaining why writing the file could not be completed. For example, you might not have the access rights to the file system.

E01438

Message	The %1 Simulink.Bus object that defines the data type of %2 %3 is undefined.
Message parameters	▪ Simulink.Bus object ▪ Inport or outport ▪ Port
Reason	Model separation found a signal whose data type is specified by a Simulink.Bus object. However, the object is undefined.
Solution	Make sure to define the object in the base workspace or the Data Dictionary of the model.

E01439

Message	Could not transfer the Data Dictionary of the %1 model to the %2 model: %3
Message parameters	▪ Source model ▪ Model created during model separation ▪ MATLAB error message
Reason	Model separation tried to copy the Data Dictionary of the source model to the target model created during separation. However, this process could not be completed due to reasons specified in the message.
Solution	Check the message explaining the reasons of the problem.

Q01440

Message	You modified the model separation data. Do you want to save the data to the model?
Message parameters	-
Reason	You used the model separation setup to modify model separation data and tried to close the dialog without saving the data. The message reminds you to save the data.
Solution	-

N01441

Message	Generation of MCD file skipped: Only one %1 target model specified.
Message parameters	▪ Model
Reason	Model Communication Description (MCD) files describe signal connections between the generated target models. With only one target model, signal connections cannot exist. Therefore, model separation did not generate the file.
Solution	-

N01442

Message	Created the following MCD file: %1.
Message parameters	▪ MCD file

Reason	Model separation created an MCD file that describes the signal connections between the models that were created.
Solution	-

E01443

Message	The master ID specified for the %1 model is empty.
Message parameters	▪ The model that you want to create
Reason	The master ID is a unique ID from which block and signal IDs in the generated models are derived.
Solution	Specify a non-empty ID. To be able to edit the ID with the Model Separation Setup you must set the MIPS EnableEditIDs preference to 'on'.

E01444

Message	Could not save model separation data, because the model was closed.
Message parameters	-
Reason	You opened the Model Separation Setup for a Simulink model and entered data in the dialog. Then, you closed the model and tried to save the data. This was not possible, because model separation data is saved in the model that is no longer open. The Model Separation Setup will close after you confirmed the message.
Solution	Save model separation data before you close the model.

E01445

Message	Could not create models, because the source model was closed.
Message parameters	-
Reason	You opened the Model Separation Setup for a Simulink model and closed the model. Then, you tried to run model separation by clicking the Create Models button. However, model separation requires that the model to separate is open. The Model Separation Setup will close after you confirmed the message.
Solution	Run model separation if the model to be separated is open.

E01446

Message	Could not refresh the subsystem list, because the source model was closed.
Message parameters	-
Reason	You opened the Model Separation Setup for a Simulink model and closed the model. Then, you tried to refresh the subsystem list. However, this requires that the model to separate is open. The Model Separation Setup will close after you confirmed the message.
Solution	Do not work with the Model Separation Setup if the model is not open.

E01447

Message	Could not separate the %1 model, because you did not specify any target model.
Message parameters	▪ Simulink model

Reason	You tried to use model separation without specifying the target models that you want to generate or you deselected all target models.
Solution	Make sure to define and select at least one target model.

E01448

Message	Found the following Simulink.Bus object: %1. The name of the object corresponds with a Simulink built-in data type.
Message parameters	▪ Simulink.Bus object
Reason	You specified a Simulink.Bus object whose name matches a Simulink built-in data type. This is not supported by MIPS. Models with model port blocks will not perform the simulation, and you cannot open a model port block dialog. Simulink built-in data types are: int8, int16, int32, uint8, uint16, uint32, single, double, Boolean.
Solution	Assign a name to the Simulink.Bus object that does not correspond with a Simulink built-in data type.

E01449

Message	The following model is a Simulink library: %1.
Message parameters	▪ Simulink library
Reason	You opened the Model Separation Setup for a Simulink library as opposed to a Simulink model. However, Model Separation cannot separate libraries.
Solution	Use the Model Separation Setup for Simulink models that are not libraries.

E01450

Message	%1 %2 passes a message signal.
Message parameters	▪ Inport or outport ▪ Port
Reason	MIPS found a message signal that is not supported for model interfaces.
Solution	Redesign the model so that message signals do not constitute model interfaces.

Model and Block Messages

Where to go from here

Information in this section

E01301 135
E01302 135
E01303 136
E01304 136
E01305 136
E01306 137
E01307 137
N01308 138
N01309 138
Q01310 138
Q01311 139
Q01312 139
E01313 140
E01314 140
E01315 140
Q01316 141
E01318 141
W01319 142
W01320 142
N01321 143
N01322 143
N01323 143
N01324 144
E01325 144
E01326 145
E01327 145
E01328 146
E01329 146

W01330 146
W01331 147

E01301

Message	%1 model is open, but its model file is %2 instead of %3.
Message parameters	▪ Simulink model ▪ Actual model file name ▪ Required model file name
Reason	A model that does not originate from the required location is already open. Simulink cannot open two models with the same name simultaneously.
Solution	Close the model to make sure that the required model is processed.

E01302

Message	Could not find the %1 Simulink model file for the %2 model.
Message parameters	▪ Model file path ▪ Simulink model name
Reason	The specified Simulink model file does not exist.
Solution	Make sure the model file exists and that you have access to the file system where it resides.

E01303

Message	Could not run model initialization commands: %1.
Message parameters	▪ MATLAB error message
Reason	The specified model initialization commands resulted in an error.
Solution	Check the error message to find out the reason for the problem.

E01304

Message	Could not open the %1 Simulink model: %2
Message parameters	▪ Simulink model ▪ Simulink error message
Reason	Simulink could not open the specified Simulink model file.
Solution	Check the error message to find out the reason for the problem.

E01305

Message	The %1 model is a %2.
Message parameters	▪ Simulink model name ▪ Library or subsystem
Reason	You specified a Simulink model. However, it is a library or a subsystem file. You cannot simulate it or generate code for it.

Solution	Check whether you specified the model you intend to use.

E01306

Message	The Simulink identifier is invalid: %1
Message parameters	▪ Error reason
Reason	Could not access the Simulink object. The message provides details about the reason.
Solution	Check the message for possible reasons for the problem. For example, the Simulink object might be undefined.

E01307

Message	Could not save the %1 Simulink %2 to %3: %4
Message parameters	▪ Simulink model or library ▪ model or library ▪ Model file ▪ Simulink error message
Reason	The specified Simulink model or library could not be saved to the file for reasons described in the message.
Solution	Read the message to find a solution for the problem. For example, you might not have write access to the model file.

N01308

Message	You canceled saving the %1 Simulink %2 to %3.
Message parameters	▪ Simulink model ▪ model or library ▪ Model file
Reason	This message informs you that you canceled saving a model.
Solution	-

N01309

Message	The %1 Simulink model is not open. Therefore, you do not have to save it.
Message parameters	▪ Simulink model
Reason	This message informs you that saving a model is not necessary or possible, because the model is not open in Simulink.
Solution	-

Q01310

Message	You modified the %1 model. Do you want to save it to a file?
Message parameters	▪ Simulink model
Reason	If you want to save the model to a file, click the Yes button, otherwise the No button.

Solution	-

Q01311

Message	You modified the following libraries: %1. Do you want to save them to a file?
Message parameters	▪ Simulink libraries
Reason	If you want to save the libraries to a file, click the Yes button, otherwise, the No button.
Solution	-

Q01312

Message	You modified the %1 model and the following libraries: %2. Do you want to save them to a file?
Message parameters	▪ Simulink model ▪ Simulink libraries
Reason	If you want to save the models and the libraries to a file, click the Yes button, otherwise, the No button.
Solution	-

E01313

Message	Could not initialize the %1 model: %2
Message parameters	▪ Simulink model ▪ Simulink error message
Reason	Simulink could not initialize the specified model.
Solution	Check the error message and make sure that the model can be initialized. To retrieve detailed error messages, initialize the model by pressing Ctrl-D in the Simulink model window.

E01314

Message	%1: Could not find referenced models: %2
Message parameters	▪ Simulink model ▪ Simulink error message
Reason	MIPS could not find the models referenced by the specified model.
Solution	Make sure all referenced models exist and reside on the MATLAB search path.

E01315

Message	Could not modify the %1 block.
Message parameters	▪ Model Port block
Reason	You tried to modify a model port block. However, the block is locked, because it resides in a library block or a subsystem without write access.

Solution	Make sure that the block is writable if you want to modify it.

Q01316

Message	Block and signal IDs were assigned to model port blocks in the %1 library. To save the IDs, the library must be unlocked. Do you want to unlock the library?
Message parameters	▪ Simulink Library
Reason	To save block and signal IDs, the library must be unlocked, i.e., be writable. Click Yes to unlock the library. You can then save block and signal IDs. Additionally, you must save the library to a file. Simulink prompts you to do this when you close the library. If you click No when trying to unlock the library, the block and signal IDs are lost when you close the library.
Solution	-

E01318

Message	Could not create %1 block %2 in %3. The system cannot be modified.
Message parameters	▪ Block type ▪ Name of the block to be inserted ▪ Parent system (subsystem or model)
Reason	A model port block must be generated to a system but the system is locked. For example, it is a library block or its Permissions parameter is set to ReadOnly.
Solution	You can remove the lock by deactivating the library link or by setting the Permissions parameter is set to ReadWrite. However, you must make sure that you actually want to modify a read-only system.

W01319

Message	The %1 model port block resides on another path: %2. Previous path: %3.
Message parameters	▪ Model port block ▪ Path to model port block ▪ Previous path to model port block
Reason	You moved the model port block or renamed it or one of its parent subsystems.
Solution	Run a model analysis to make sure that the model hierarchies in ConfigurationDesk and the Simulink model match.

W01320

Message	%1 block signal %2: Could not compute signal width with %3 expression.
Message parameters	▪ Model port block ▪ Signal path ▪ Signal width expression
Reason	You executed Analyze Simulink Model (Model Interface only) in ConfigurationDesk. The width of the specified model port block signal is defined by an expression which is nonnumeric, for example, an expression that contains a variable in the MATLAB base workspace. Therefore, computing the signal width requires model initialization.
Solution	Use numeric expressions for signal widths. Alternatively, use Analyze Simulink Model (Including Task Information) to analyze a Simulink model. This command initializes the model to retrieve signal properties such as data types and dimensions. However, the command might need more time to finish.

N01321

Message	%1 %2 block: You modified the block data.
Message parameters	▪ Model port block ▪ Block type
Reason	This message informs you that the data of a block was modified
Solution	-

N01322

Message	Inserted the %1 %2 block.
Message parameters	▪ Block type ▪ Model port block
Reason	This message informs you that a block was inserted into a Simulink model.
Solution	-

N01323

Message	%1 model: Deleted the %2 %3 block.
Message parameters	▪ Simulink model ▪ Block type ▪ Name of block that was deleted

Reason	The model port block was deleted from the model.
Solution	-

N01324

Message	Created the %1 model.
Message parameters	▪ Simulink model that was created
Reason	This message informs you that a new Simulink model was created.
Solution	-

E01325

Message	Could not migrate the %1 block. It resides in the %2 subsystem, which is read-only.
Message parameters	▪ Block ▪ Subsystem
Reason	The block was created in an earlier MIPS version and its data must be modified to match the current MIPS version. However, the block is locked, because it resides in a read-only subsystem.
Solution	Make sure that the block can be modified. Alternatively, use the dsmpb_migrate tool to migrate Simulink models and libraries created with earlier MIPS versions.

E01326

Message	Could not migrate the %1 block. It has a library link to the %2 block that resides in the %3 library, which is locked.
Message parameters	▪ Model port block ▪ Library block ▪ Library
Reason	The block was created in an earlier MIPS version and its data must be modified to match the current MIPS version. However, the block is locked because it resides in a library block.
Solution	Make sure that the block can be modified. Alternatively, use the dsmpb_migrate tool to migrate Simulink models and libraries created with earlier MIPS versions.

E01327

Message	Could not migrate the %1 block, because the %2 model is simulating.
Message parameters	▪ Block ▪ Model
Reason	The block was created in an earlier MIPS version, and its data must be modified to match the current MIPS version. However, the block is locked because the model it resides in is simulating.
Solution	Use the dsmpb_migrate tool to migrate Simulink models and libraries created with earlier MIPS versions.

E01328

Message	%1 root level %2 block: The block passes a bus signal.
Message parameters	▪ Root level Simulink port block ▪ Block type
Reason	You tried to set the parameters of a Simulink port on root level to explicit values. However, the block passes a bus signal. This is not supported for DSRT code generation.
Solution	Redesign your model and make sure that DSRT limitations are met.

E01329

Message	%1
Message parameters	▪ Error message
Reason	Simulink generated an error message.
Solution	Check the error message to find solutions for the problem.

W01330

Message	Did not save the %1 Simulink %2 to %3.
Message parameters	▪ Simulink model ▪ model or library ▪ Model file

Reason	This message informs you that Simulink did not save a model, either because writing the model to file could not be completed or because you canceled saving.
Solution	To save the model, go to the Simulink model window and click Save. If you cannot save the model, check the Simulink error messages to find a solution for the problem.

W01331

Message	You saved the %1 Simulink %2 to %3. Original path: %4.
Message parameters	▪ Simulink model ▪ model or library ▪ New model file ▪ Original model file
Reason	You saved a Simulink model to another folder or name. However, the associated ConfigurationDesk project references the model with its original name and path.
Solution	To keep modifications to the model, remove the original model from the project and add the model from where you saved it.