

Rational StateMate Standard Template



Before using the information in this manual, be sure to read the “Notices” section of the Help or the PDF file available from **Help > List of Books**.

This edition applies to IBM[®] Rational[®] Statemate[®] 4.6 and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

| | |
|---|-----------|
| Standard Template | 1 |
| Graphic Format | 1 |
| Long Descriptions | 1 |
| Document Structure | 1 |
| Template Parameters | 2 |
| Generating Segments | 4 |
| Exporting the Document | 4 |
| Sample Output | 5 |
| TABLE OF CONTENTS | 5 |
| 1. REAR DEFOG SS | 7 |
| Overview | 7 |
| 1.1 REAR DEFOG SS | 10 |
| 1.2 SPEED SENSOR | 10 |
| 1.3 LOAD MONITOR | 10 |
| 1.4 REAR DEFOG OUTPUT FCTS | 10 |
| 1.5 REAR DEFOG FEATURES | 11 |
| 2. Properties | 21 |
| 2.1 Actions | 21 |
| 2.2 Conditions | 21 |
| 2.3 Simple Data-items | 22 |
| 2.4 Events | 23 |
| 2.5 Enumerated User Defined Types | 24 |
| 3. Tree Report | 25 |
| 4. Use Case Diagrams | 26 |
| 4.1 REAR_DEFOG_UCD | 26 |
| 5. Sequence Diagrams | 27 |
| 5.1 REAR_DEFOG_2HI_SPEED_2LOAD1 | 27 |
| 5.2 REAR_DEFOG_LO_SPEED_NO_LOAD | 30 |
| 5.3 Truth Tables | 31 |

6. Change Log 32

Standard Template

The standard template provided with the IBM® Rational® Statemate® Documentor generates a Rich Text Format (RTF) report and RTF plots. This template can be used as-is or modified as described in the Documentor Reference Manual.

Graphic Format

Select the appropriate RTF output for the Microsoft® Word format.

Long Descriptions

Activity charts and statecharts are included with long descriptions. To have an external file used in place of a long description, create an attribute called `LINK FILE` for the element, and enter the filename followed by a return on the first line of the long description. The external file must be in the same directory as the exported (for example, generated) .RTF file to be included when the document is read into Word.

Document Structure

The template operates on an activity chart and descendant charts. It includes a cover page (most of the parameters allow you to set items to print on the cover), an applicable documents section, and an overview section. Following the charts is a set of properties tables, a tree report, and a modification log.

Template Parameters

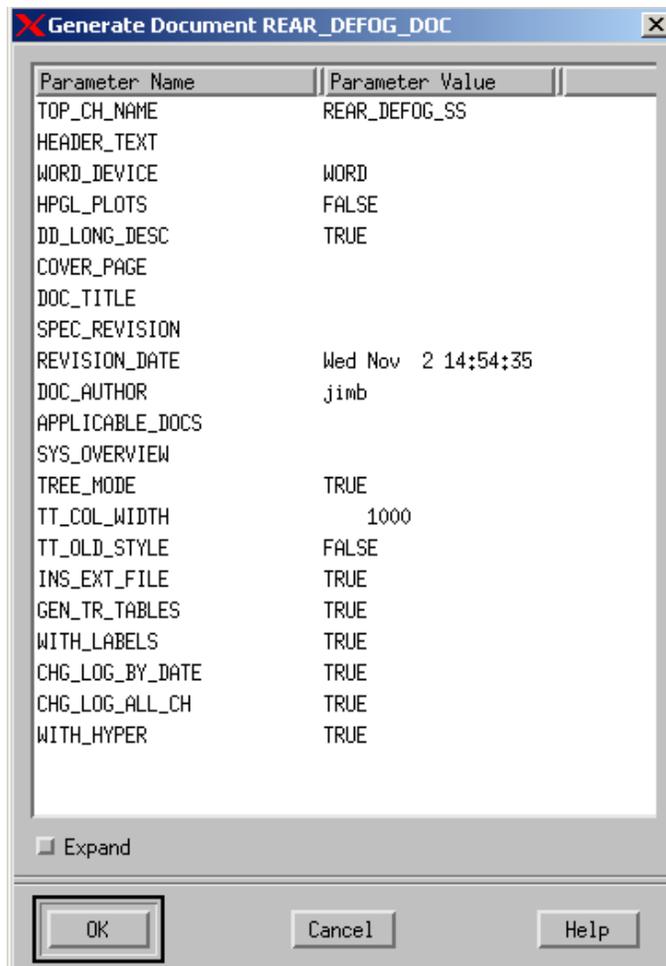
The template has 21 parameters. These are summarized in the following table and shown in the following figure.

Note

If you want, the default parameter values can be edited in the documentor template.

| Parameter | Description |
|------------------------|---|
| TOP_CH_NAME | Must be assigned the value of the name of the top-level Activity Chart to document (the name should be entered in caps just as it appears in the Workarea). |
| HEADER_TEXT | Must be assigned the value of the text to appear in the top left of the generated document header. Note that this value is case sensitive. |
| WORD_DEVICE | Must be set to the name of the output device to use in generating the plots for the output document (the device name must be in caps). Use a device of format Word for RTF plots. |
| DD_LONG_DESC | Must be set to TRUE to output the Long Description in the properties tables included in the document – a value of FALSE outputs the Description (also known as the Short Description) in the properties tables. |
| COVER_PAGE | Can be set to a filename to use as the cover page of the document. Leaving this parameter blank causes the following four parameters to be used in creation of the cover page: |
| DOC_TITLE | Set to the document title to use on the cover page |
| SPEC_REVISION | Set to the document revision number used on the cover page |
| REVISION_DATE | Set to the date used on the cover page |
| DOC_AUTHOR | Set to the author's name that appears on the cover page |
| APPLICABLE_DOCS | Can be set to the name of a file that will be imported into the Applicable Documents section. |
| SYS_OVERVIEW | Can be set to a the name of a file that will be imported into the System Overview section. |
| TREE_MODE | Must be set to TRUE to order the document following the hierarchical structure of the model – a value of FALSE alphabetically documents the Activity Charts followed by the Statecharts. |
| TT_COL_WIDTH | Plot truth-table column width in RTF format. |
| TT_OLD_STYLE | Plot truth-tables in ASCII table format. |
| INS_EXT_FILE | An external file can be inserted to the document or can be linked using an "hyperlink". When this parameter is set to TRUE the files will be inserted, otherwise linked using an "hyperlink" |

| Parameter | Description |
|-----------------------|---|
| GEN_TR_TABLES | When this parameter is set to <code>TRUE</code> , the Transitions Table for Statecharts will be generated into the document |
| WITH_LABELS | Plot charts with or without labels. |
| CH_LOG_BY_DATA | Plot the Track Change description by chart. |
| CH_LOG_ALL_CH | Plot the Track Change description for all charts in the workarea. if this parameter is set to <code>TRUE</code> , the change log is for all the charts in the Workarea, if set to <code>FALSE</code> , the change log is only for the charts in the Document scope. |
| WITH_HYPER | Insert hyperlinks and bookmarks. |



Generating Segments

Refer to the *Documentor Reference Manual* for information on generating segments.

Exporting the Document

After generating the document, you must export it to a file with a .rtf extension. Make sure the Word template file (`STMM.DOT`) is in the same directory as the exported document. You can also place it in the Microsoft area for Word templates. Rational Statemate provides a copy of the `STMM.DOT` file in the `<STM_ROOT>/etc/inc` directory.

Note

For the Word macro to work properly, the Hide file extensions for known file types check box on Windows Explorer (**View > Options**) is not checked. Refer to the on-line help for Windows for further information on setting this feature.

Sample Output

A sample generated report is shown on the following pages. Several of the diagrams are shown in the landscape format that the template produces.

Rear Defog

Specification Revision:

Revision Date: Wed November 2 15:08:58 2005

TABLE OF CONTENTS

| | |
|---|----|
| 1. REAR DEFOG SS | 11 |
| 1.1 REAR DEFOG SS | 13 |
| 1.2 SPEED SENSOR | 14 |
| 1.3 LOAD MONITOR | 14 |
| 1.4 REAR DEFOG OUTPUT FCTS | 14 |
| 1.5 REAR DEFOG FEATURES | 14 |
| 1.5.1 REAR DEFOG FEATURES | 16 |
| 1.5.2 REAR DEFOG RELAY MGMT | 16 |
| 1.5.2.1 REAR DEFOG RELAY MGMT BHVR (STATECHART) | 18 |
| 1.5.3 CALC REAR DEFOG STATE | 21 |
| 1.5.3.1 CALC REAR DEFOG STATE BHVR (STATECHART) | 22 |
| 2. DATA DICTIONARY | 24 |
| 2.1 ACTIONS | 24 |

Sample Output

| | |
|--|----|
| 2.2 CONDITIONS | 24 |
| 2.3 SIMPLE DATA-ITEMS | 26 |
| 2.4 EVENTS | 28 |
| 2.5 ENUMERATED USER DEFINED TYPES | 28 |
| 3. TREE REPORT | 29 |
| 4. USE CASE DIAGRAMS | 30 |
| 4.1 REAR_DEFOG_UCD | 30 |
| 4.1.1 DEFOG REAR WINDOW | 30 |
| 4.1.2 CUSTOMER INDICATION | 31 |
| 5. SEQUENCE DIAGRAMS | 31 |
| 5.1 REAR_DEFOG_2HI_SPEED_2LOAD1 | 31 |
| 5.2 REAR_DEFOG_LO_SPEED_NO_LOAD | 34 |
| 5.3 TRUTH TABLES | 35 |
| 5.3.1 TRUTH-TABLE OF ACTION REAR_DEFOG_OUTPUT_TT | 35 |
| 6. CHANGE LOG | 35 |
| APPENDIX | 35 |

1. REAR DEFOG SS

Overview

The Rear Defog Subsystem controls the activation of the rear defog based on the driver request, vehicle speed and load management command (load shed). The subsystem regulates the activation of the grid to provide safe operation under all speed and load shed conditions.

Input/Output Requirements:

Note

Refer to the following figure.

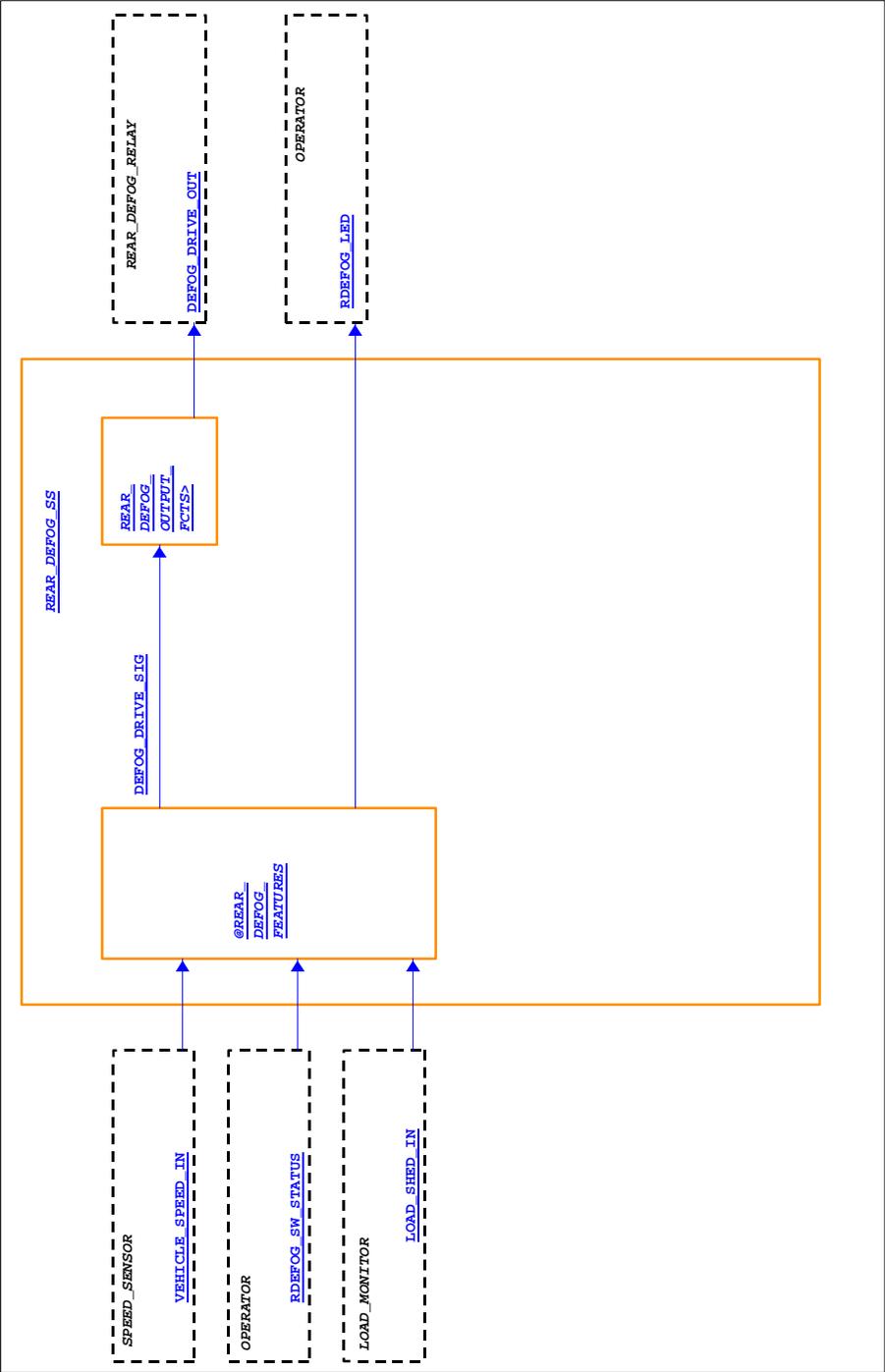
External activities:

LOAD_MONITOR

The Charging Subsystem provides information regarding the battery charge and load on the vehicle charging system.

OPERATOR:

Input/Output Requirements



REAR_DEFOG_RELAY:

SPEED_SENSOR:

The Powertrain Control Subsystem is responsible for providing vehicle speed data to the Rear Defog Control Subsystem.

Design Attributes:

REAR_DEFOG_SS

Execution Order - 1

SPEED_SENSOR

Execution Order - 1

LOAD_MONITOR

Execution Order - 1

REAR_DEFOG_OUTPUT_FCTS

Execution Order - 1

OPERATOR

Execution Order - 1

REAR_DEFOG_RELAY

Execution Order - 1

REAR_DEFOG_FEATURES

Execution Order - 1

1.1 REAR DEFOG SS

Description:

The top level activity for the rear defog control system, which defines the system context.

1.2 SPEED SENSOR

Description:

The Powertrain Control Subsystem is responsible for providing vehicle speed data to the Rear Defog Control Subsystem.

1.3 LOAD MONITOR

Description:

The Charging Subsystem provides information regarding the battery charge and load on the vehicle charging system.

1.4 REAR DEFOG OUTPUT FCTS

Description:

Convert the active high logical rear defog relay command to a low side drive output.

Function:

```
started/  
DEFOG_DRIVE_OUT=0b1;; /* initialize to off */  
ch(DEFOG_DRIVE_SIG)/REAR_DEFOG_OUTPUT_TT;;  
  
/* ch(DEFOG_DRIVE_SIG) /  
   if DEFOG_DRIVE_SIG then  
       DEFOG_DRIVE_OUT=0b0;  
   else  
       DEFOG_DRIVE_OUT=0b1;  
   end if;;  
*/
```

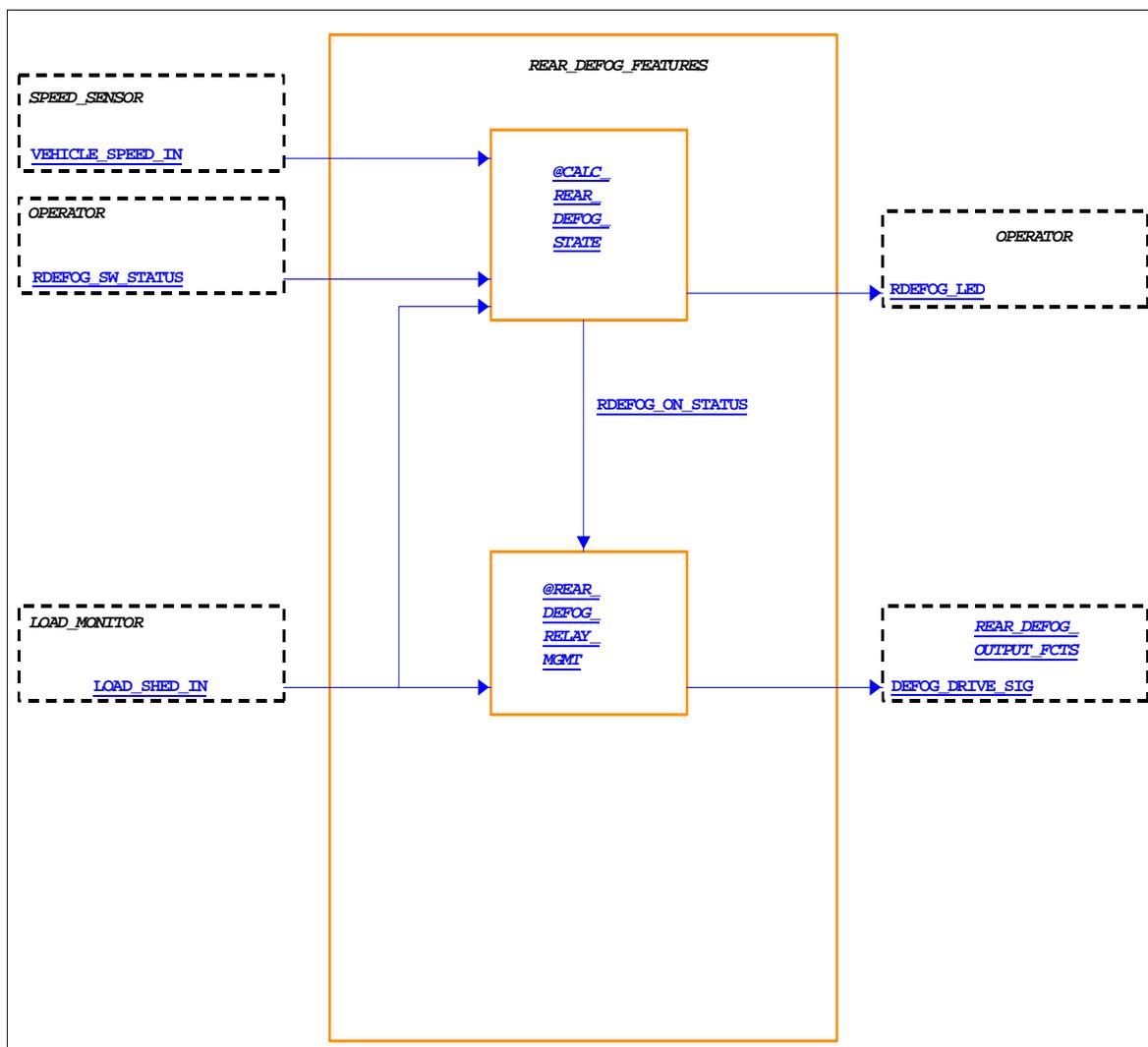
1.5 REAR DEFOG FEATURES

Overview:

The features of the Rear Defog Subsystem are: calculating the rear defog state, and modulation of the relay rear defog relay.

stmmtxt_C:/tmp/rick.txt

Input/Output Requirements:



Design Attributes:

REAR_DEFOG_FEATURES

Execution Order - 1

SPEED_SENSOR

Execution Order - 1

LOAD_MONITOR

Execution Order - 1

REAR_DEFOG_OUTPUT_FCTS

Execution Order - 1

OPERATOR

Execution Order - 1

CALC_REAR_DEFOG_STATE

Execution Order - 1

REAR_DEFOG_RELAY_MGMT

Execution Order - 1

1.5.1 REAR DEFOG FEATURES

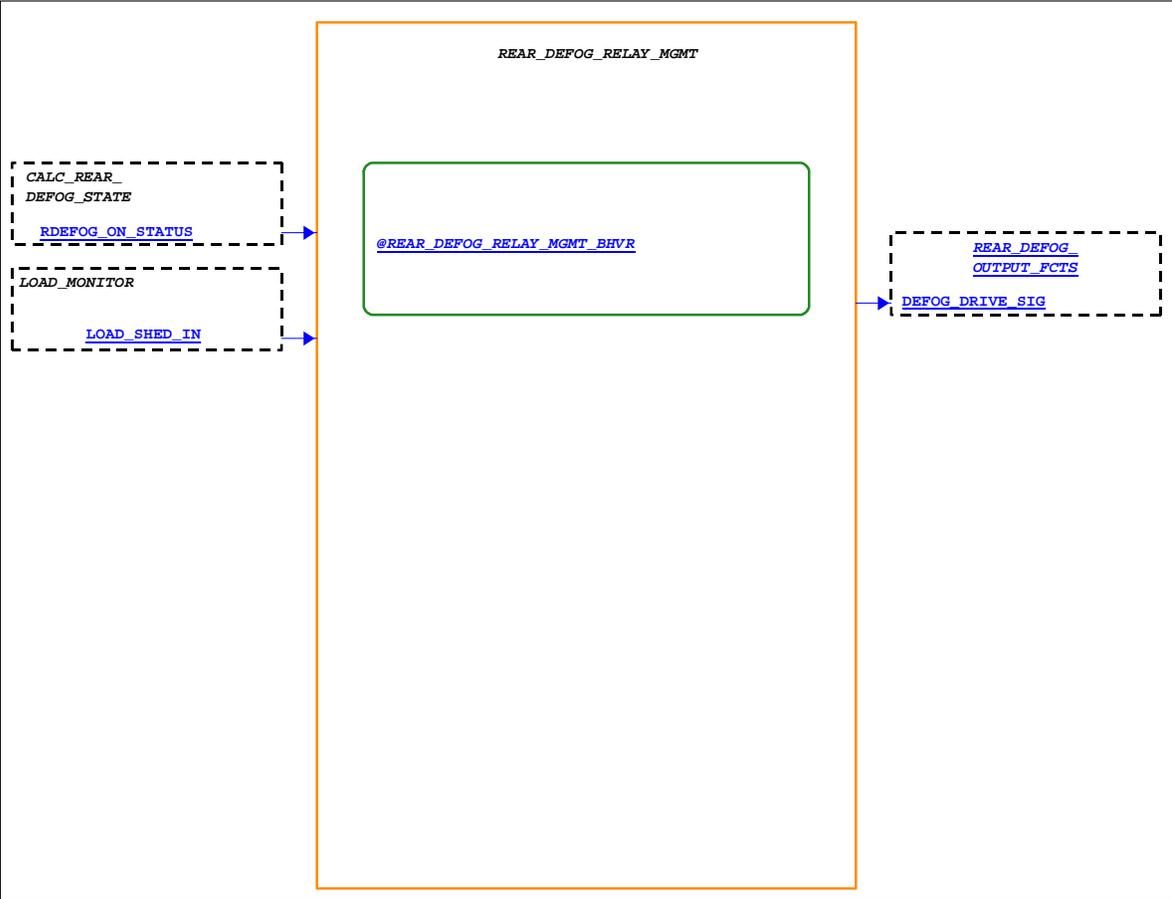
1.5.2 REAR DEFOG RELAY MGMT

Overview:

The rear defog operation can be modified due to load management of the vehicle electrical system.

Input/Output Requirements:

REAR DEFOG RELAY MGM



Design Attributes:

REAR_DEFOG_RELAY_MGMT

Execution Order - 1

LOAD_MONITOR

Execution Order - 1

REAR_DEFOG_OUTPUT_FCTS

Execution Order - 1

CALC_REAR_DEFOG_STATE

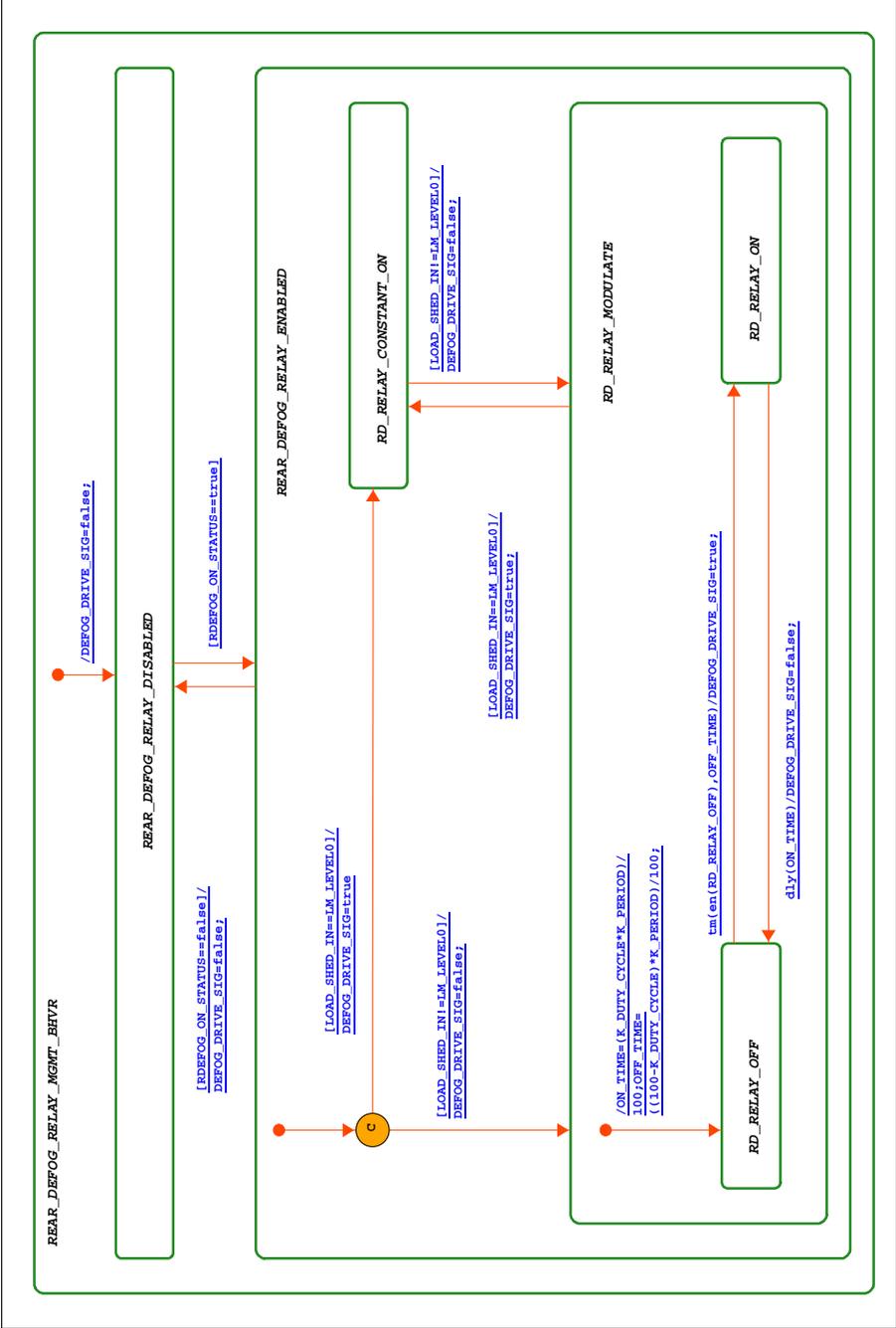
Execution Order - 1

1.5.2.1 REAR DEFOG RELAY MGMT BHVR (Statechart)

Description:

If a load management condition exists (load_shed = 1,2,3) and the rear defog state is true, the output to the relay shall be modified. If load_shed is equal to 1 or 2, the rear defog output shall be modulated at a frequency and duty cycle per calibratable parameters.

Function:



REAR_DEFOG_RELAY_MGMT_BHVR Transition table

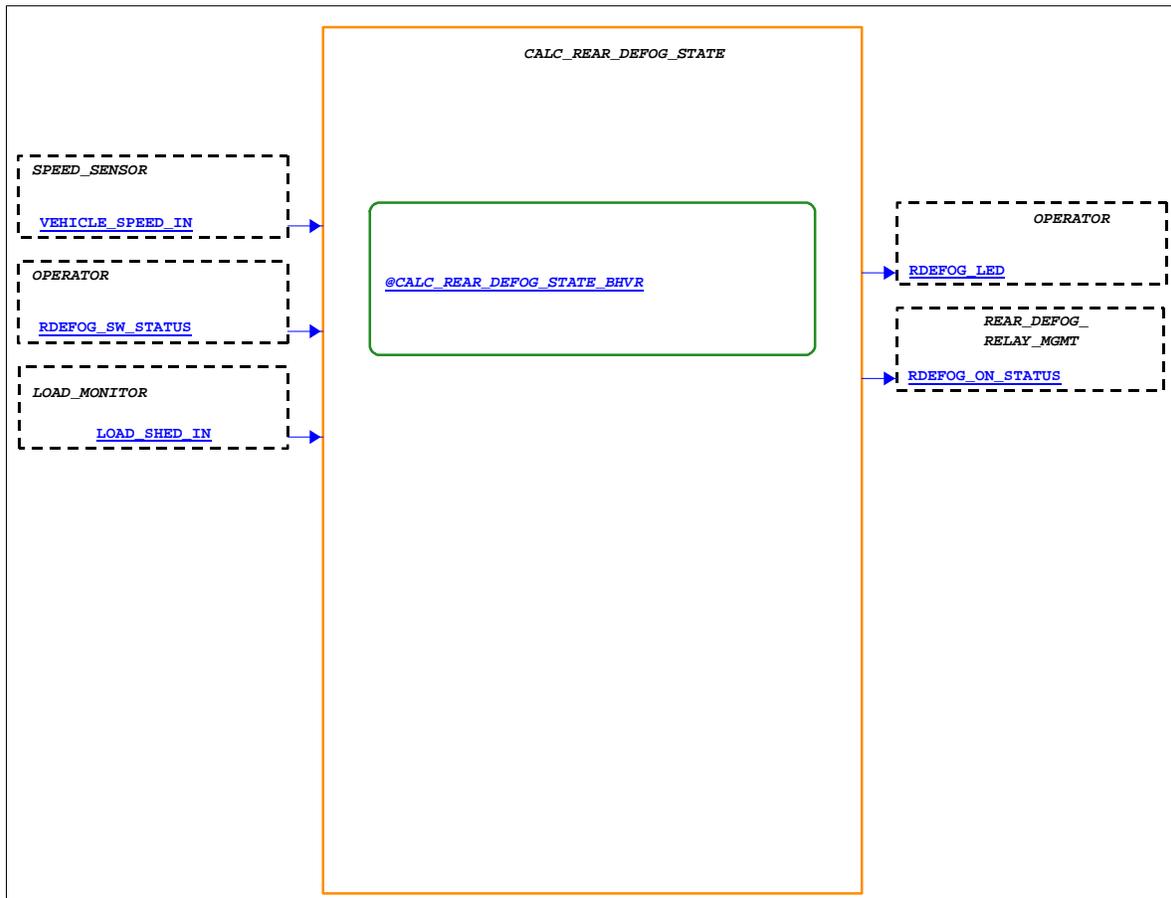
| Transition Note | Source | Target | Expression |
|-----------------|---------------------------|---------------------------|--|
| | Default | RD_RELAY_CONSTANT_ON | [LOAD_SHED_IN==LM_LEVEL0]/ DEFOG_DRIVE_SIG=true |
| | Default | RD_RELAY_MODULATE | [LOAD_SHED_IN!=LM_LEVEL0]/ DEFOG_DRIVE_SIG=false; |
| | Default | RD_RELAY_OFF | /ON_TIME=(K_DUTY_CYCLE *K_PERIOD)/ 100;OFF_TIME=((100- K_DUTY_CYCLE)*K_PERIOD)/ 100; |
| | Default | REAR_DEFOG_RELAY_DISABLED | /DEFOG_DRIVE_SIG=false; |
| | RD_RELAY_CONSTANT_ON | RD_RELAY_MODULATE | [LOAD_SHED_IN!=LM_LEVEL0]/ DEFOG_DRIVE_SIG=false; |
| | RD_RELAY_MODULATE | RD_RELAY_CONSTANT_ON | [LOAD_SHED_IN==LM_LEVEL0]/ DEFOG_DRIVE_SIG=true; |
| | RD_RELAY_OFF | RD_RELAY_ON | tm(en(RD_RELAY_OFF),OFF_T IME)/DEFOG_DRIVE_SIG=true; |
| | RD_RELAY_ON | RD_RELAY_OFF | dly(ON_TIME)/ DEFOG_DRIVE_SIG=false; |
| | REAR_DEFOG_RELAY_DISABLED | REAR_DEFOG_RELAY_ENABLED | [RDEFOG_ON_STATUS== true] |
| | REAR_DEFOG_RELAY_ENABLED | REAR_DEFOG_RELAY_DISABLED | [RDEFOG_ON_STATUS== false]/ DEFOG_DRIVE_SIG=false; |

1.5.3 CALC REAR DEFOG STATE

Overview:

The operator request changes in the rear defog state by setting the rdefog_switch_status (pushing the rear defog switch). Once the rear defog has been activated, it shall automatically time out and turn itself off without any customer interaction. The timing function is modified by the customer interactions as well as vehicle speed and calibratable timer values.

Input/Output Requirements:



Design Attributes:

CALC_REAR_DEFOG_STATE

Execution Order - 1

SPEED_SENSOR

Execution Order - 1

REAR_DEFOG_RELAY_MGMT

Execution Order - 1

LOAD_MONITOR

Execution Order - 1

OPERATOR

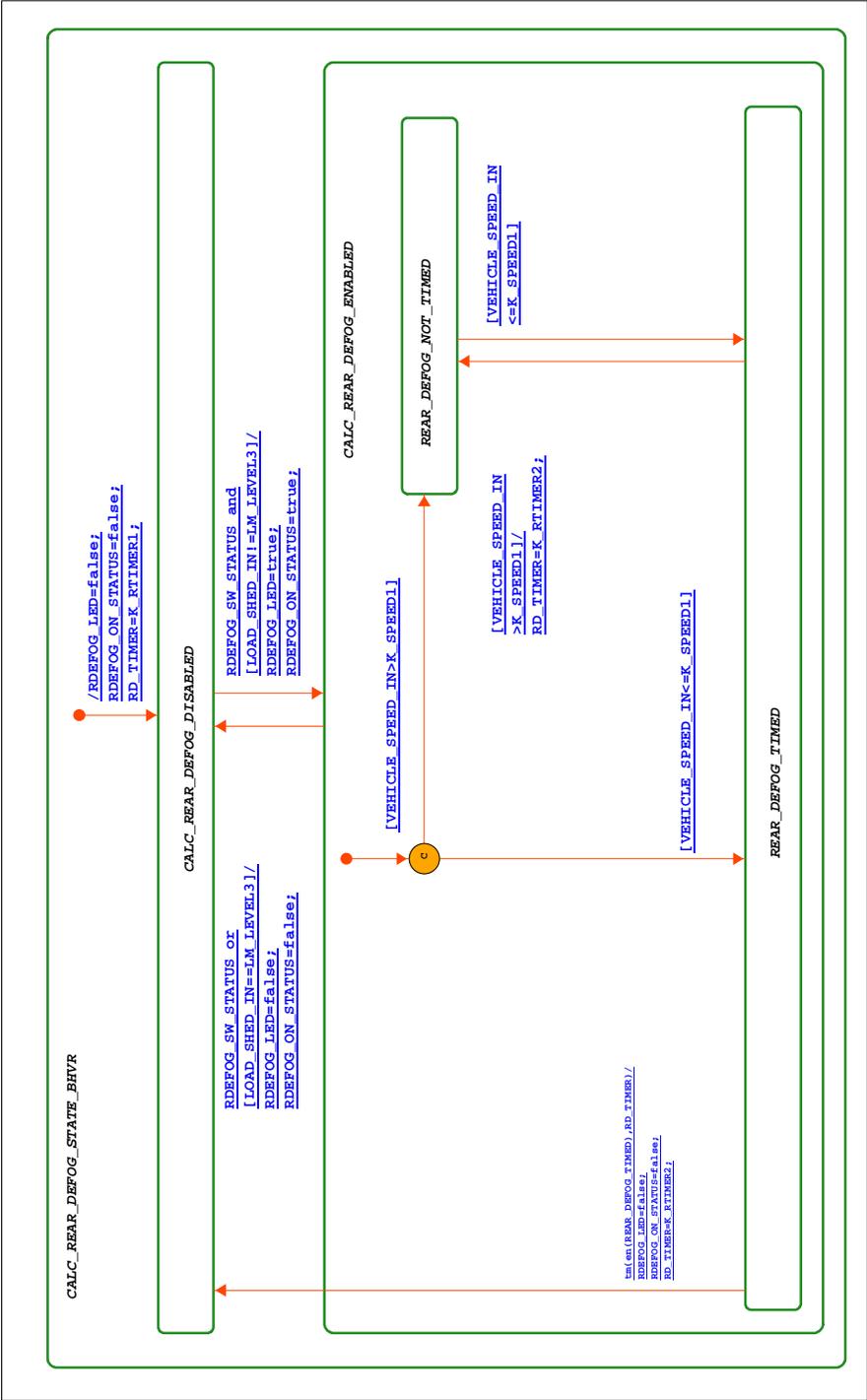
Execution Order - 1

1.5.3.1 CALC REAR DEFOG STATE BHVR (Statechart)

Description:

The rear defog state is changed when the user sets the rdefog_switch_status. Rdefog_lite follows the value of the rear defog state (the indicator is illuminated when the rear defog state is true. Timing of the rear defog shall only occur if the rear defog state is true. If vehicle speed > speed1 the timing function shall be suspended until vehicle speed drops below speed1. If the rdefog_switch_status is set while the rear defog state is true, the rear defog state will be set to false. After either the rd_timer=0 or rdefog_switch_status is set, the rdefog_lite status will change to false and the rd_timer will be set to rtimer2. If load shed = 3, then the rear defog state is set false.

Function:



CALC_REAR_DEFOG_STATE_BHVR Transition Table

| Transition Note | Source | Target | Expression |
|-----------------|--------------------------|--------------------------|--|
| | CALC_REAR_DEFOG_DISABLED | CALC_REAR_DEFOG_ENABLED | RDEFOG_SW_STATUS and [LOAD_SHED_IN!=LM_LEVEL3]/RDEFOG_LED=true; RDEFOG_ON_STATUS=true; |
| | CALC_REAR_DEFOG_ENABLED | CALC_REAR_DEFOG_DISABLED | RDEFOG_SW_STATUS or [LOAD_SHED_IN==LM_LEVEL3]/RDEFOG_LED=false; RDEFOG_ON_STATUS=false; |
| | Default | CALC_REAR_DEFOG_DISABLED | RDEFOG_LED=false; RDEFOG_ON_STATUS=false; RD_TIMER=K_RTIMER1; |
| | Default | REAR_DEFOG_NOT_TIMED | [VEHICLE_SPEED_IN>K_SPEED1] |
| | Default | REAR_DEFOG_TIMED | [VEHICLE_SPEED_IN<=K_SPEED1] |
| | REAR_DEFOG_NOT_TIMED | REAR_DEFOG_TIMED | [VEHICLE_SPEED_IN<=K_SPEED1] |
| | REAR_DEFOG_TIMED | CALC_REAR_DEFOG_DISABLED | tm(en(REAR_DEFOG_TIMED), RD_TIMER)/RDEFOG_LED=false; RDEFOG_ON_STATUS=false; RD_TIMER=K_RTIMER2; |
| | REAR_DEFOG_TIMED | REAR_DEFOG_NOT_TIMED | [VEHICLE_SPEED_IN>K_SPEED1]/RD_TIMER=K_RTIMER2; |

2. Properties

2.1 Actions

| Name | Definition | Where Defined |
|-----------------------------|--|---------------|
| Description | | |
| Design Attributes | | |
| REAR_DEFOG_OUTPUT_TT | See Truth-Table definition in Appendix | REAR_DEFOG_SS |
| Tbd | | |
| Tbd | | |

2.2 Conditions

| Name | Definition | Structure | Where Defined |
|---|------------|-----------|---------------------|
| Description | | | |
| Design Attributes | | | |
| DEFOG_DRIVE_SIG | Variable | Single | REAR_DEFOG_SS |
| <i>Logical output to turn on/off rear defog relay.</i> | | | |
| Tbd | | | |
| RDEFOG_LED | Variable | Single | REAR_DEFOG_SS |
| Output from the Rear Defog Subsystem to the HVAC Subsystem to request illumination of the Rear Defog On LED. | | | |
| Tbd | | | |
| RDEFOG_ON_STATUS | Variable | Single | REAR_DEFOG_FEATURES |
| Indicates if the rear defog is on or off based on operator requests and vehicle speed and timing constraints. | | | |
| Tbd | | | |

2.3 Simple Data-items

| Name | Definition/ Variable | Data Type | Structure | Where Defined |
|--|-------------------------|------------------------|-----------|------------------------------------|
| Description | | | | |
| Design Attributes | | | | |
| DEFOG_DRIVE_OUT | Variable | Bit | Single | REAR_DEFOG_SS |
| Low side drive output from the Rear Defog Subsystem to the rear defog relay. | | | | |
| Tbd | | | | |
| K_DUTY_CYCLE | Variable | Integer 0 - 100 | Single | REAR_DEFOG_RE LAY_MGMT_BHVR |
| Tbd | | | | |
| Tbd | | | | |
| K_PERIOD | Variable | Integer 0 - 100 | Single | REAR_DEFOG_RE LAY_MGMT_BHV |
| Tbd | | | | |
| Tbd | | | | |
| K_RTIMER1 | Variable | Integer 0 - 100 | Single | CALC_REAR_ DEFOG_STATE_B HVR |
| Tbd | | | | |
| Tbd | | | | |
| K_RTIMER2 | Variable | Integer 5 - 10 | Single | CALC_REAR_ DEFOG_STATE_B HVR |
| Tbd | | | | |
| Tbd | | | | |
| K_SPEED1 | Variable | Integer 0 - 100 | Single | CALC_REAR_ DEFOG_STATE_B HVR |
| Tbd | | | | |
| Tbd | | | | |
| LOAD_SHED_IN | Variable | LOAD_MGMT_ CMD_TYPE | Single | REAR_DEFOG_SS |
| The load management command input - level 0 for no shed to level 3 for maximum shed. | | | | |
| Tbd | | | | |

| Name | Definition/ Variable | Data Type | Structure | Where Defined |
|-------------------------|-------------------------|-----------------|-----------|--------------------------------|
| OFF_TIME | Variable | Integer 0 - 100 | Single | REAR_DEFOG_RE LAY_MGMT_BHVR |
| Tbd | | | | |
| Tbd | | | | |
| ON_TIME | Variable | Integer 0 - 100 | Single | REAR_DEFOG_RE LAY_MGMT_BHVR |
| Tbd | | | | |
| Tbd | | | | |
| RD_TIMER | Variable | Integer 0 - 100 | Single | CALC_REAR_DEF OG_STATE_BHVR |
| Tbd | | | | |
| Tbd | | | | |
| VEHICLE_SPEED_IN | Variable | Integer 0 - 100 | Single | REAR_DEFOG_SS |
| Tbd | | | | |
| Tbd | | | | |

2.4 Events

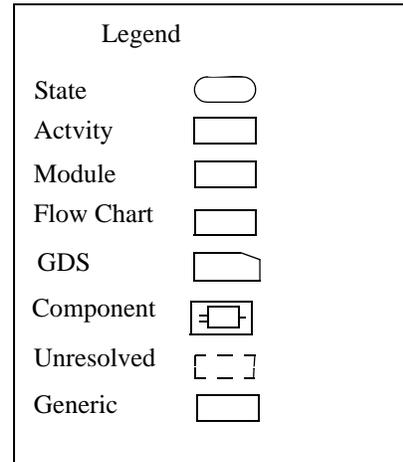
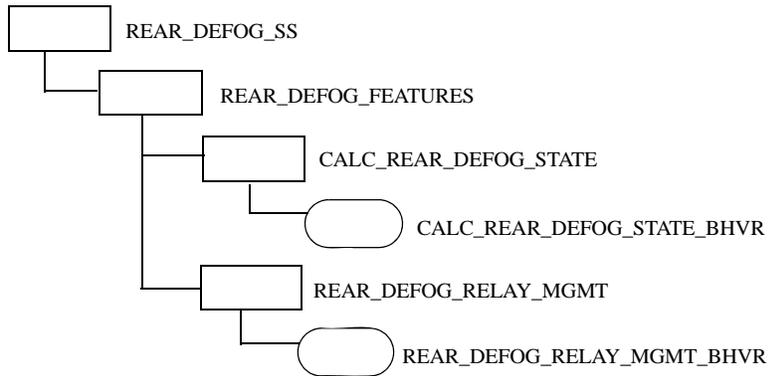
| Name | Definition/Variable | Structure | Where Defined |
|---|---------------------|-----------|---------------|
| Description | | | |
| Design Attributes | | | |
| RDEFOG_SW_STATUS | Variable | Single | REAR_DEFOG_SS |
| Rear Defog Switch Status momentary input. | | | |
| Internal Event of default | | | |

2.5 Enumerated User Defined Types

| Name | Definition | Where Defined |
|---------------------------|---|----------------|
| Description | | |
| Design Attributes | | |
| LOAD_MGMT_CMD_TYPE | {LM_LEVEL0, LM_LEVEL1, LM_LEVEL2, LM_LEVEL3} | REAR_DEFOG_GDS |
| Tbd Tbd | | |

3. Tree Report

Tree for REAR_DEFOG_SS



4. Use Case Diagrams

4.1 REAR_DEFOG_UCD

4.1.1 DEFOG REAR WINDOW

The customer might request a change in state of the rear defog control system. Once the system has been activated, it shall automatically time out and turn itself off without any customer interaction. The timing function can be modified by vehicle speed and load management.

DEFOG_REAR_WINDOW Scenario List

| Scenario | Pre Conditions | Description | Post Conditions | Sequence Diagrams/ SCH | Attributes |
|----------|------------------------------------|---|-------------------------------------|---------------------------------|------------|
| SD1 | Low Speed No Load Conditions | Normal Operation of the rear defog system - run complete cycle | Low Speed No Load Conditions | REAR_DEFOG_LO_ SPEED_NO_LOAD | |
| SD2 | Low Speed No Load Conditions | Robust Scenario - Change Low to High Speed, and then add Load Condition One | High Speed Load Condition One | REAR_DEFOG_2HI_ SPEED_2LOAD1 | |

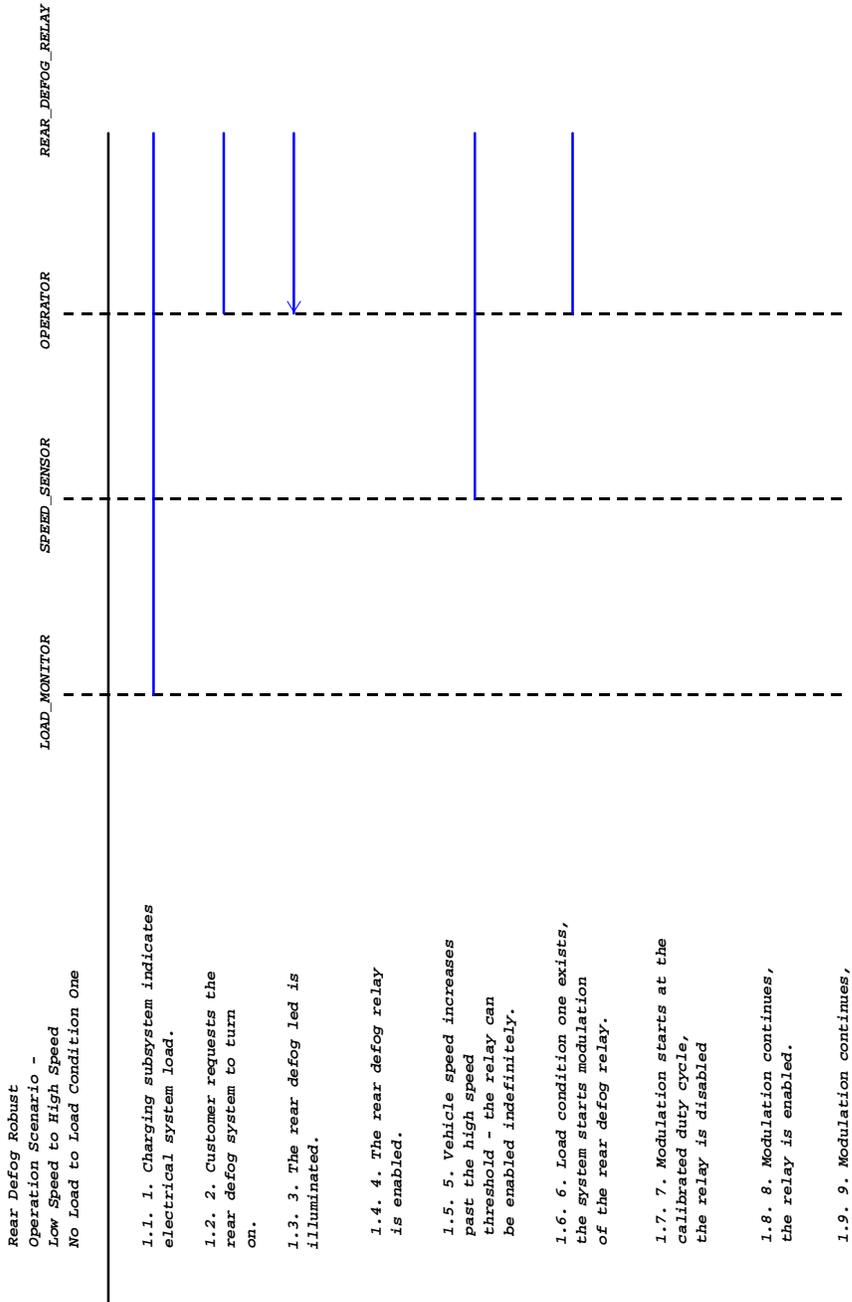
4.1.2 CUSTOMER INDICATION

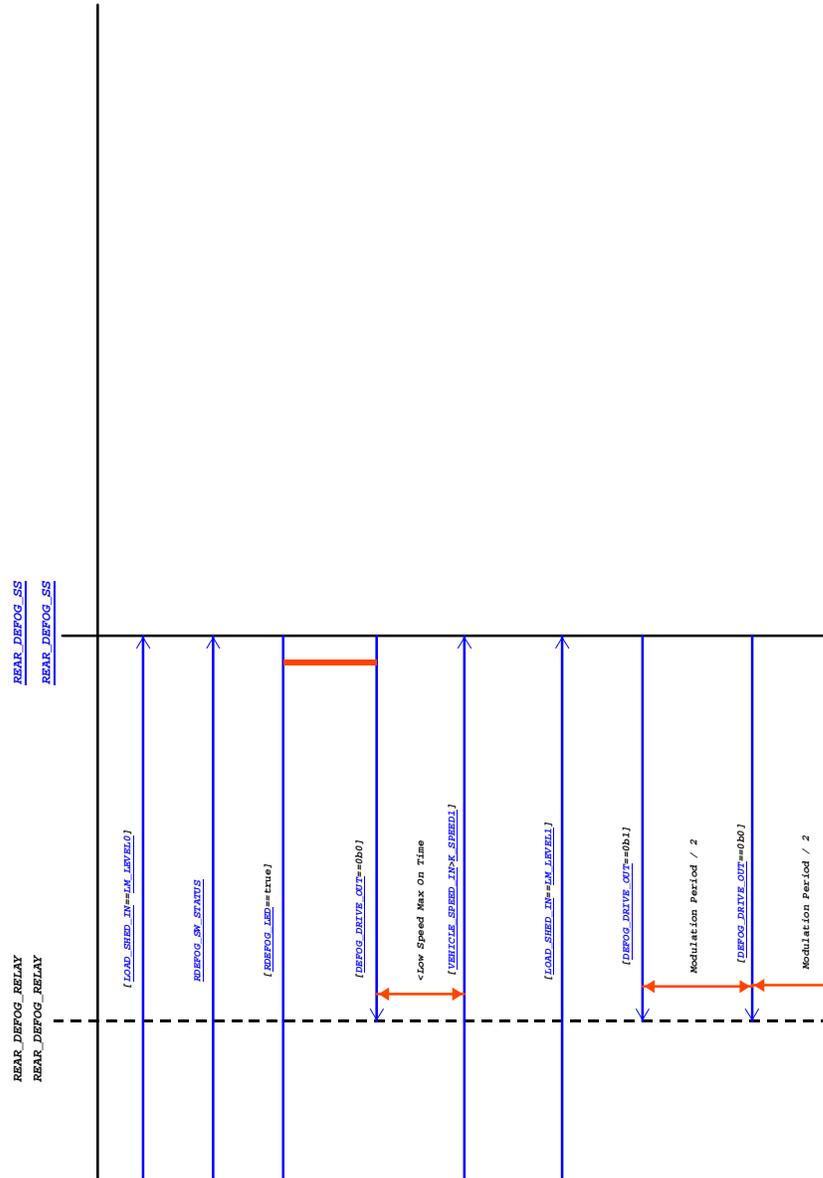
Description:

The system shall provide the customer with an indication of the current state of the rear defog control system.

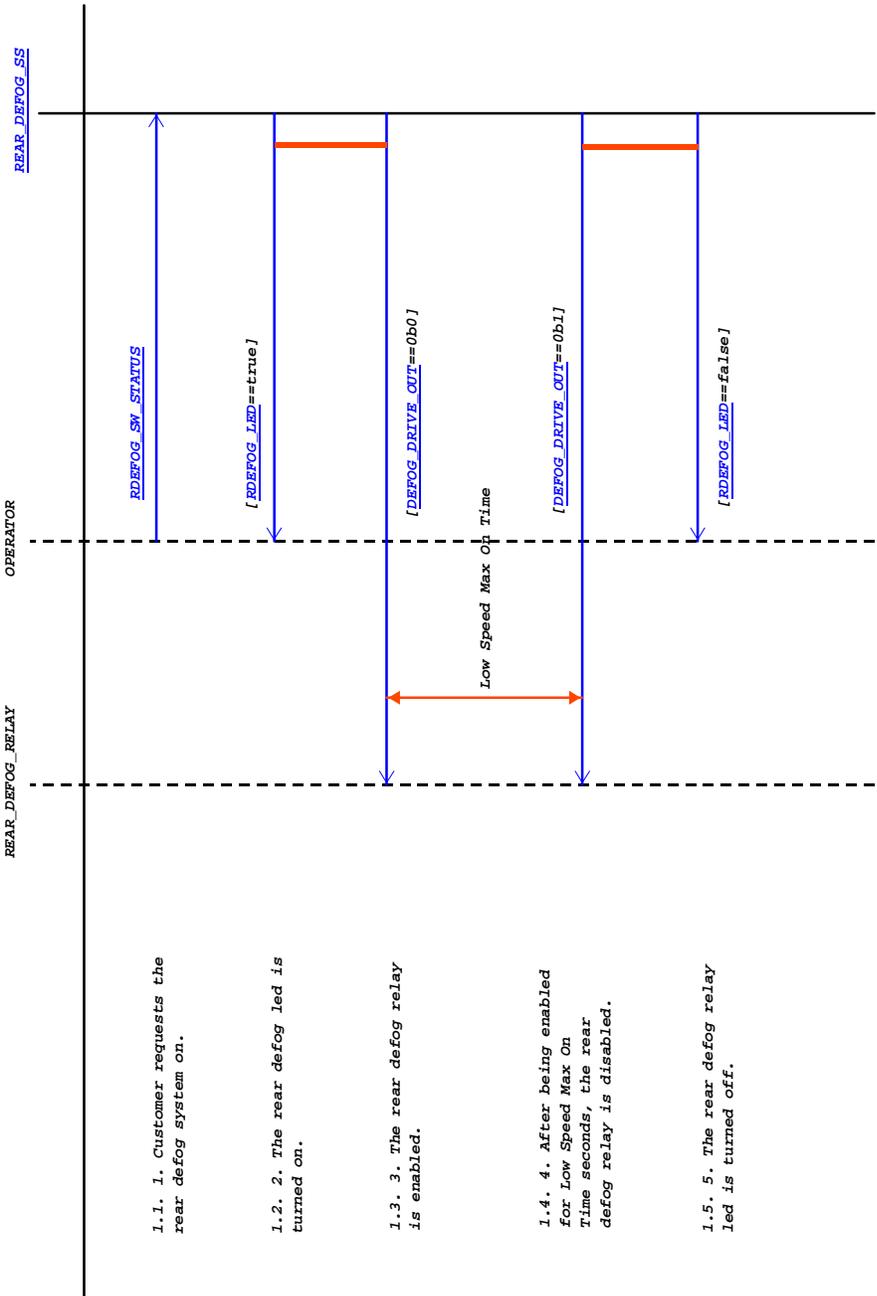
5. Sequence Diagrams

5.1 REAR_DEF0G_2HI_SPEED_2LOAD1





5.2 REAR_DEFOG_LO_SPEED_NO_LOAD



5.3 Truth Tables

5.3.1 Truth-Table of Action REAR_DEFOG_OUTPUT_TT

| Input | Output |
|-----------------|-----------------|
| DEFOG_DRIVE_SIG | DEFOG_DRIVE_OUT |
| true | 0b0 |
| false | 0b1 |

6. Change Log

REAR_DEFOG_SS

Usage type: Root

Version: 2(modified) From date: Oct 11, 2005

Owned by: stephend Created on: Aug 31, 2001

REAR_DEFOG_FEATURES

Usage type: Offpage

Version: 1(modified) From date: Mar 2, 2004

Owned by: stephend Created on: Aug 31, 2001

REAR_DEFOG_RELAY_MGMT

Usage type: Offpage

Version: 1(modified) From date: Mar 10, 2004

Owned by: stephend Created on: Aug 31, 2001

REAR_DEFOG_RELAY_MGMT_BHVR

Usage type: Offpage

Version: 1(modified) From date: Mar 2, 2004

Owned by: stephend Created on: Aug 31, 2001

CALC_REAR_DEFOG_STATE

Usage type: Offpage

Version: 1(modified) From date: Mar 2, 2004

Owned by: stephend Created on: Aug 31, 2001

CALC_REAR_DEFOG_STATE_BHVR

Usage type: Offpage

Version: 1(modified) From date: Mar 2, 2004

Owned by: stephend Created on: Aug 31, 2001

Changes Description

| Chart | Date | User | Version | Description |
|---------------|--------------------------------|------------|---------|-------------|
| REAR_DEFOG_SS | Date: Tue Jun 28 11:07:25 2005 | User: jimb | 1 | |
| REAR_DEFOG_SS | Date: Tue Jun 28 11:06:50 2005 | User: jimb | 2 | |

6. Change Log

| Chart | Date | User | Version | Description |
|-----------------------------|--------------------------------|----------------|----------------|--|
| CALC_REAR_DEFOG_STATE_BHVR | Date: Wed Dec 18 13:42:15 2002 | User: stephend | 15 | Check-In Chart(s):Includes ND working ND test in MC. |
| REAR_DEFOG_GDS | Date: Wed Aug 7 21:35:24 2002 | User: stephend | 3 | Check-In Chart(s): |
| REAR_DEFOG_SS | Date: Wed Aug 7 21:35:23 2002 | User: stephend | 10 | Check-In Chart(s): |
| REAR_DEFOG_UCD | Date: Wed Aug 7 21:35:23 2002 | User: stephend | 6 | Check-In Chart(s): |
| REAR_DEFOG_LO_SPEED_NO_LOAD | Date: Wed Aug 7 21:35:23 2002 | User: stephend | 5 | Check-In Chart(s): |
| REAR_DEFOG_2HI_SPEED_2LOAD1 | Date: Wed Aug 7 21:35:23 2002 | User: stephend | 4 | Check-In Chart(s): |
| CALC_REAR_DEFOG_STATE | Date: Wed Aug 7 21:35:22 2002 | User: stephend | 5 | Check-In Chart(s): |
| REAR_DEFOG_RELAY_MGMT_BHVR | Date: Wed Aug 7 21:35:22 2002 | User: stephend | 9 | Check-In Chart(s): |
| REAR_DEFOG_RELAY_MGMT | Date: Wed Aug 7 21:35:22 2002 | User: stephend | 5 | Check-In Chart(s): |
| REAR_DEFOG_FEATURES | Date: Wed Aug 7 21:35:22 2002 | User: stephend | 6 | Check-In Chart(s): |
| CALC_REAR_DEFOG_STATE_BHVR | Date: Wed Aug 7 21:35:21 2002 | User: stephend | 11 | Check-In Chart(s): |
| REAR_DEFOG_SS | Date: Wed Aug 7 21:27:24 2002 | User: stephend | 9 | Check-In Chart(s): |
| REAR_DEFOG_GDS | Date: Tue Aug 6 16:54:56 2002 | User: stephend | 2 | Check-In Chart(s): |
| REAR_DEFOG_LO_SPEED_NO_LOAD | Date: Tue Aug 6 16:54:56 2002 | User: stephend | 4 | Check-In Chart(s): |
| REAR_DEFOG_2HI_SPEED_2LOAD1 | Date: Tue Aug 6 16:54:55 2002 | User: stephend | 3 | Check-In Chart(s): |
| REAR_DEFOG_UCD | Date: Tue Aug 6 16:54:55 2002 | User: stephend | 5 | Check-In Chart(s): |
| CALC_REAR_DEFOG_STATE | Date: Tue Aug 6 16:54:54 2002 | User: stephend | 4 | Check-In Chart(s): |
| REAR_DEFOG_RELAY_MGMT | Date: Tue Aug 6 16:54:54 2002 | User: stephend | 4 | Check-In Chart(s): |

Sample Output

| Chart | Date | User | Version | Description |
|-----------------------------|--------------------------------|----------------|----------------|--|
| REAR_DEFOG_FEATURES | Date: Tue Aug 6 16:54:54 2002 | User: stephend | 5 | Check-In Chart(s): |
| REAR_DEFOG_SS | Date: Tue Aug 6 16:54:54 2002 | User: stephend | 8 | Check-In Chart(s): |
| REAR_DEFOG_RELAY_MGMT_BHVR | Date: Tue Aug 6 16:54:53 2002 | User: stephend | 8 | Check-In Chart(s): |
| CALC_REAR_DEFOG_STATE_BHVR | Date: Tue Aug 6 16:54:52 2002 | User: stephend | 10 | Check-In Chart(s): |
| REAR_DEFOG_SS | Date: Mon Aug 5 07:47:20 2002 | User: stephend | 7 | Check-In Chart(s): Added some long descriptions. |
| CALC_REAR_DEFOG_STATE | Date: Mon Aug 5 07:47:19 2002 | User: stephend | 3 | Check-In Chart(s): Added some long descriptions. |
| REAR_DEFOG_RELAY_MGMT | Date: Mon Aug 5 07:47:19 2002 | User: stephend | 3 | Check-In Chart(s): Added some long descriptions. |
| REAR_DEFOG_FEATURES | Date: Mon Aug 5 07:47:19 2002 | User: stephend | 4 | Check-In Chart(s): Added some long descriptions. |
| CALC_REAR_DEFOG_STATE_BHVR | Date: Mon Aug 5 07:47:18 2002 | User: stephend | 9 | Check-In Chart(s): Added some long descriptions. |
| REAR_DEFOG_RELAY_MGMT_BHVR | Date: Mon Aug 5 07:47:18 2002 | User: stephend | 7 | Check-In Chart(s): Added some long descriptions. |
| REAR_DEFOG_SS | Date: Fri Aug 2 09:42:53 2002 | User: stephend | 6 | Check-In Chart(s):More demo changes. |
| CALC_REAR_DEFOG_STATE_BHVR | Date: Fri Aug 2 09:42:52 2002 | User: stephend | 8 | Check-In Chart(s):More demo changes. |
| REAR_DEFOG_RELAY_MGMT_BHVR | Date: Fri Aug 2 09:42:52 2002 | User: stephend | 6 | Check-In Chart(s):More demo changes. |
| REAR_DEFOG_SS | Date: Fri Jul 26 17:14:47 2002 | User: stephend | 3 | Check-In Chart(s): Description added |
| REAR_DEFOG_LO_SPEED_NO_LOAD | Date: Wed Jul 24 06:44:41 2002 | User: stephend | 3 | Check-In Chart(s): Added Transition Notes, updated Sequence Diagrams, and added Use Case External Descriptions. |

6. Change Log

| Chart | Date | User | Version | Description |
|------------------------------------|-----------------------------------|----------------|---------|--|
| REAR_DEFOG_2HI_ SPEED_2LOAD1 | Date: Wed Jul 24 06:44:40 2002 | User: stephend | 2 | Check-In Chart(s): Added Transition Notes, updated Sequence Diagrams, and added Use Case External Descriptions. |
| REAR_DEFOG_ UCD | Date: Wed Jul 24 06:44:40 2002 | User: stephend | 4 | Check-In Chart(s): Added Transition Notes, updated Sequence Diagrams, and added Use Case External Descriptions. |
| REAR_DEFOG_ RELAY_MGMT_ BHVR | Date: Wed Jul 24 06:44:40 2002 | User: stephend | 3 | Check-In Chart(s): Added Transition Notes, updated Sequence Diagrams, and added Use Case External Descriptions. |
| CALC_REAR_DEFOG_ STATE_BHVR | Date: Wed Jul 24 06:44:39 2002 | User: stephend | 5 | Check-In Chart(s): Added Transition Notes, updated Sequence Diagrams, and added Use Case External Descriptions. |
| REAR_DEFOG_ UCD | Date: Thu Jun 27 13:20:39 2002 | User: stephend | 3 | Check-In Chart(s): |
| REAR_DEFOG_ FEATURES | Date: Wed Jun 26 23:11:24 2002 | User: stephend | 3 | Check-In Chart(s): |
| REAR_DEFOG_2HI_ SPEED_2LOAD1 | Date: Tue May 14 20:39:07 2002 | User: stephend | 1 | Check-In Chart(s): Added UCD and SD |
| REAR_DEFOG_LO_ SPEED_NO_LOAD | Date: Tue May 14 20:39:07 2002 | User: stephend | 2 | Check-In Chart(s): Added UCD and SD |
| REAR_DEFOG_ UCD | Date: Tue May 14 20:39:06 2002 | User: stephend | 2 | Check-In Chart(s): Added UCD and SD |
| REAR_DEFOG_2HI_ SPEED_2LOAD1 | Date: Wed Mar 27 10:49:04 2002 | User: stephend | Renamed | Check-In Chart(s): Updated UCD and SD.Added Robustness SD. |
| REAR_DEFOG_LO_ SPEED_NO_LOAD | Date: Wed Mar 27 10:49:04 2002 | User: stephend | 1 | Check-In Chart(s): Updated UCD and SD.Added Robustness SD. |
| REAR_DEFOG_ UCD | Date: Wed Mar 27 10:49:03 2002 | User: stephend | 1 | Check-In Chart(s): Updated UCD and SD.Added Robustness SD. |

Sample Output

| Chart | Date | User | Version | Description |
|---------------------------------|-----------------------------------|----------------|----------------|--|
| REAR_DEFOG_LO_ SPEED_NO_LOAD | Date: Wed Mar 27 09:51:58 2002 | User: stephend | New | Check-In Chart(s):Added UCD and nominal scenario |
| REAR_DEFOG_ UCD | Date: Wed Mar 27 09:51:58 2002 | User: stephend | New | Check-In Chart(s):Added UCD and nominal scenario |