

SUSE YES System Certification Kit 9.0

SUSE Linux Enterprise – SBS Users Guide



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Online SUSE Developer Services Program Guide Documentation: To access the online SUSE Developer Services Program Guide, see

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About This Guide

The Server Yes Certification Test Kit for SUSE® Linux contains a procedure manual and all test tools necessary to test the SUSE® products used in the SUSE Yes Certified™ system certification process. The manual explains how to install the software and set up hardware and software configurations.

Audience

This manual is intended for users who have experience with computers, networking, Linux, and Microsoft Windows.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please contact your SUSE partner contact for feedback.

Documentation Updates

For the most recent version of the System Test Tools and documentation, visit System Test Tools for SUSE LINUX <https://www.suse.com/partners/ihv/yes/system-test-tools-for-suse-linux.html>.

Additional Information

For more Information on YES Certification, see:

SUSE YES Certified Program <https://www.suse.com/partners/ihv/yes/>

Partner Resources <https://www.suse.com/partners/become-partner/>

Documentation Conventions

A trademark symbol (®, ™, etc.) denotes a SUSE trademark. An asterisk (*) denotes a third-party trademark.



1 Getting Started with SBS

This document is to be used to set up an SBS account and to use SBS for bulletin submission interaction.

1.1 Process for Creating a SBS user account

The user will need access to the SBS Database to submit test results and generate Yes Certification Bulletins. In order to access SBS a user account must be created. The following instructions are intended to guide the new user through the process to create an SBS account. To create an SBS account do the following:

1. Open a web browser to the SUSE account creation screen. The URL is:
<https://www.suse.com/account/create>

Create Account

By filling out and submitting this form, you acknowledge that you are creating one account that may be used to log in on SUSE.com. The account information you provide below will be shared within SUSE solely for the purposes of validating your identity across sites. See our [privacy policy](#) for details. Please do not create multiple accounts as it may restrict your ability to access locked resources.

* Required Fields

First Name*	<input type="text"/>
Last Name*	<input type="text"/>
Job Title*	<input type="text"/>
Company/Institution*	<input type="text"/>
Street Address*	<input type="text"/>
City*	<input type="text"/>
Zip/Postal Code*	<input type="text"/>
Country*	<input type="text" value="Select a Country"/>
State/Province*	<input type="text" value="Select a State"/>
Telephone*	<input type="text"/>
Email Address*	<input type="text"/>

Your software license keys are tied to this email address. Support and software notifications will be sent to this email address.

- ☐ I agree to the [Privacy Policy](#)*
- ☐ I agree to SUSE [Terms of Service](#)*

Create Account



2. Enter your information into all of the fields on the Create Account screen then click on the Create Account button located at the bottom of the screen.
3. Email to your SUSE Developer Services contact the following:
 - Login username
 - Email address
4. Once your SBS access rights are set up, an email will be sent to you by your SUSE Developer Services contact.

1.2 Process for adding a new Company to SBS

In order to receive Yes Certification bulletins your company name and company information will need to be added to the SBS Database. This will be the same company name and company information which you want listed on the Yes Certification Bulletins. Please provide the following information to your SUSE contract contact:

- Company name
- Company URL
- Address Line 1
- Address Line 2
- Address Line 3
- City
- State
- Postal Code
- Country
- Phone
- Toll-Free Phone
- Fax

2 Bulletin States and Instructions

The following are the different states that a bulletin will go through. An email will be sent to the responsible parties when a bulletin submission is moved to the Needs Response state or to the Final Customer Review state. All unreleased bulletin submissions will be deleted when they become 1 year old or the end of general support for the tested OS has passed, whichever comes first.

Do not open multiple bulletin screens in SBS at the same time. Doing so may cause bulletin changes to be unsaved or inaccurate.

2.1 Bulletin Submission Creation

1. Open a web browser to the SUSE Bulletin System login screen. The URL is:
<https://www.suse.com/nbswebapp/yesCert.jsp>
2. Login to SBS.

→ [YES CERTIFIED Bulletin Search](#)

→ [Certification Test Kits](#) (online and downloadable)

Submissions

→ [Create a 3C Bulletin](#)

A 3C bulletin is a bulletin that is created from previously released bulletins. Components can be modified based on rules established for the 3C process.

→ [New Submission](#)

→ [View, edit, and delete YES submissions](#)

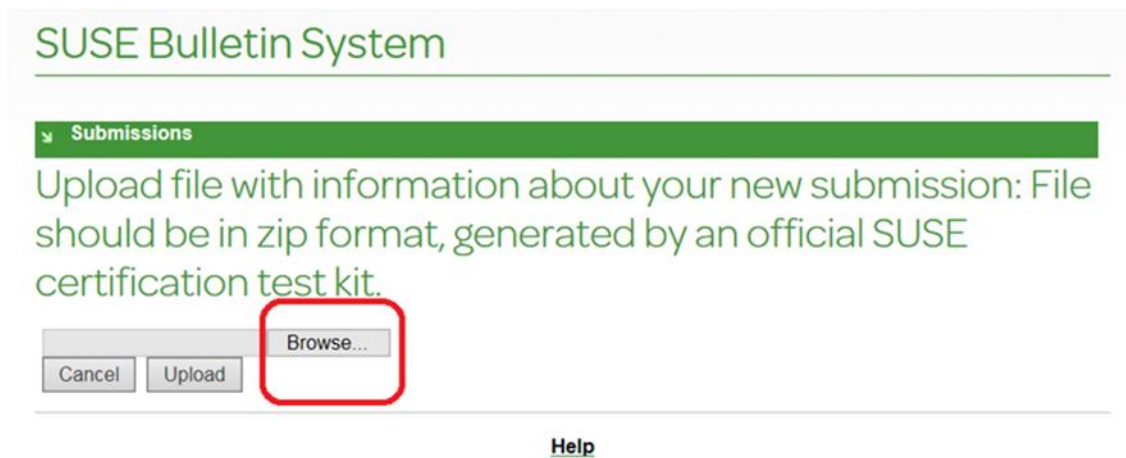
Enter a [Bug Report](#) or send us [Feedback](#)

[Admin Pages](#)

3. Read the bulletin submission file (.zip) into SBS.
 - a. Scroll to the bottom of the screen then click New Submission.



- b. Click on Browse to find your bulletin submission file (.zip).



SUSE Bulletin System

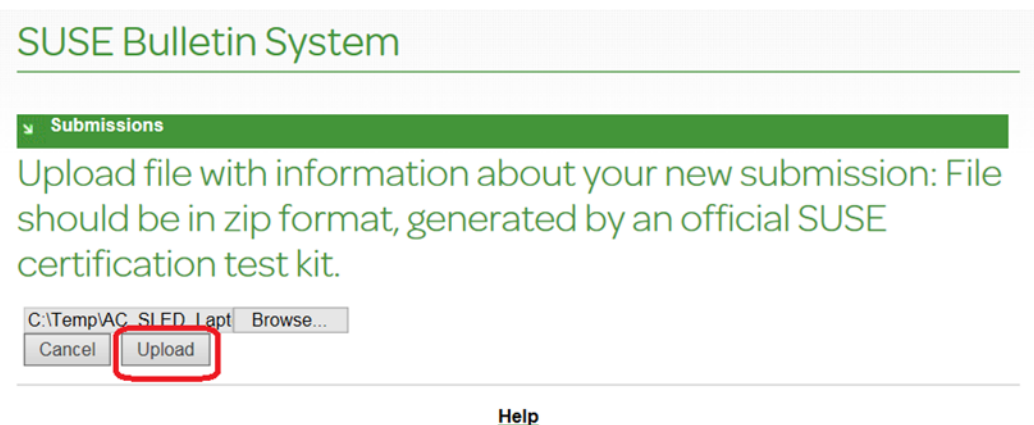
Submissions

Upload file with information about your new submission: File should be in zip format, generated by an official SUSE certification test kit.

Cancel Upload Browse...

[Help](#)

- c. Select your bulletin submission file (.zip) then click Open.
- d. Click on the Upload button.



SUSE Bulletin System

Submissions

Upload file with information about your new submission: File should be in zip format, generated by an official SUSE certification test kit.

C:\Temp\AC_SLED_Lapt Browse...

Cancel Upload Browse...

[Help](#)

4. The bulletin is now in the SBS system.
5. Proceed to Section [2.2 Open State – Partner Responsibility](#).

2.2 Open State – Partner Responsibility


The bulletin submission has been read into SBS. You (the partner) is able to view the submission and modify the Product Description, some non-critical parts of the Tested Configuration, and Company Information. You (the partner) explain any issues that came up during testing. The partner then submits the bulletin submission

to the Review State.

1. Verify the product name is correct at the top of the bulletin summary. To edit the product name, click on the word "Edit" (green font and underlined) to the left and above the SUES Yes Certified Logo. Delete the existing product name in Primary Product field. Type the new product name into the Primary Product field. Click submit at the bottom of the screen.

The screenshot shows the 'SUSE Bulletin System Summary' page. At the top, there is a green navigation bar with links: 'Submission Summary', 'Submit for Review', 'Submission List', 'Help', and 'Print View'. Below this, the main content area is divided into sections. The first section, 'System A12345', includes a 'SUSE YES Certified' logo, the text 'Workstation Company Not Selected', and a 'Submission # 588826 * NOT CERTIFIED *' status. A red box labeled '1' points to an 'Edit' link above the logo, and another red box labeled 'This is Your Product Name.' points to the system name. The second section, 'Product Description', shows 'YES CERTIFIED with the following products: Operating Systems: SUSE® Linux Enterprise Desktop 15 for AMD64 & Intel64'. A red box labeled '2' points to an 'Edit' link above this section, and another red box labeled 'This is Your Product Description.' points to the description text. Below this, there is a 'Tested Configuration' table with details about the computer type, motherboard, BIOS, CPU, RAM, and video adapter. A third red box labeled 'This is Your Product Description.' points to the 'Product Description' field, which contains the text 'For more information about System A12345 please see our website: www.mycompany.com'.

2. Verify that the Product Description is correct. To edit the Product Description, click on the word "Edit" (green font and underlined) above the Product Description. Type the new product description into the Product Description field. Click Submit at the bottom of the screen. Follow these requirements:
 - a. Do not compare this product with any competitors. Words like "best" and "faster" are not acceptable.
 - b. Do not indicate that this bulletin applies in any way to other similar systems or products. All items in the product description must have been present in the system during testing or in another certified system. Do not list a "series" (i.e. 5500 series) to the product description.

 **Product Description**

Product Description (Special Characters: TM ®)

3. Verify the Tested Configuration:

- Ensure that all component information (BIOS, CPU, HBA, etc.) is complete and correct.
- For instructions to propose a new component see the section entitled "Proposing a Component in SBS" in this document.
- Ensure that the interface and quantity exist and is accurate.
- To add the interface, click on the word "Edit" (green font and underlined) above tested configuration. Scroll down to the device (hard disk drive, CD/DVD device) which needs the interface added. There is a field entitled "Interface" under the Quantity field.
- Click on the interface drop down to choose the interface (SATA, SAS, IDE, etc.) for the device. Repeat for each device.

3 [Edit](#)

Tested Configuration:

Computer Type:	Notebook
Mother Board Revision:	Not Available
BIOS/uEFI:	BIOS Boot: 6IET52WW (1.12) (02/16/2010)
CPU:	Intel Core™ Processor i5-520 2.40 GHz
RAM:	2 GB
Video Adapter:	Intel 3rd Generation Core Processor Family Integrated Graphics Controller
Power Management:	Yes
Host Bus Adapter:	Intel BD3400 PCH
Hard Disk Drive:	HGST Travelstar HTS721010A9E630 1TB
CD/DVD:	HLDS HL-DT-ST GU10N
Test Kit:	System Certification Kit 8.1.0-68.1

3a through 3p listed on the right.

[Edit](#)**Config Notes**

1. Power management: Sleep/Suspend to RAM/ACPI S3 is NOT supported on this system.
2. Power management: System does not support brightness adjustment.

[Edit](#)**Referenced Bulletins**[Edit](#)**Adapters and Drivers****Intel Integrated 82577LM Gigabit Network Connection**

Driver Type: LAN Driver	Driver Name: e1000e.ko
Driver Date: 19-Mar-2018	Driver Size: 556096
Checksum: 015f5cfec4ea631c6fff7da227ed85a5	
Driver Version: 3.2.6-k	

- a. "Computer Type" must exist. To edit the Computer Type, click on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Click on the Computer Type field. Choose the Computer Type from the drop down choices. Click submit at the bottom of the screen.

This is a required section, at least one item must be filled in.

Computer Type

Add Proposed

Clear

- b. "Mother Board Revision" must exist. To edit the Mother Board Revision, click on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Delete the existing mother board revision name in Mother Board Revision field. Type the new mother board revision name into the Mother Board Revision field. Click submit at the bottom of the screen. Laptops may use Field Replacement Unit numbers (FRUs) instead of motherboard revisions.



This is a required section, at least one item must be filled in.

Mother Board Revision

Add Proposed

Clear

- c. "BIOS/ uEFI" version information must exist, including the version, and may list the manufacturer and date (example: uEFI: YFG123 (4/5/2008)). To edit the BIOS/uEFI information, click on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Delete the existing BIOS/uEFI in BIOS/uEFI field. Type the new BIOS/uEFI into the BIOS/uEFI field. Click submit at the bottom of the screen.

(Special Characters: [™] ®)

This is a required section, at least one item must be filled in.

BIOS/uEFI

Add Proposed

- d. "CPU" must be on the bulletin. To change the CPU, a different CPU must be proposed. For instructions to propose a new CPU see the section entitled "Proposing a Component in SBS" in this document. The only attributes that may appear are:

- Manufacturer
- Type (model)
- Speed
- Quantity

This is a required section, at least one item must be filled in.

CPU

Quantity

... Add Proposed

- e. "RAM" must exist and may be listed as MB or GB. The minimum is defined by the operating system. To edit the RAM, click on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Delete the existing RAM in RAM field. Type the new RAM into the RAM field. Click submit at the bottom of the screen.

This is a required section, at least one item must be filled in.

RAM

Add Proposed



- f. "Persistent Memory" is only for systems which tested persistent memory in the system during the Yes Certification. In this field the amount of Persistent Memory in the system at the time of testing is to be entered so that it will be listed on the bulletin. The pattern is <total amount>, <quantity> Intel® Optane™ DC Persistent Memory <size> GB Modules. An example is: 512 GB, 4 Intel Optane DC Persistent Memory 128 GB modules. If the partner would like to list how the persistent memory was configured during the Yes Certification testing then a config note may be added to the bulletin to explain the configuration details.

Persistent Memory (Special Characters: ™ ®)

- g. "Video Adapter" must exist. Add the interface by clicking on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Scroll down to the Video Adapter. Click on the Interface field. Choose from the Interface Types listed in the drop down choices. Type in the quantity for the video adapter into the Quantity field. Click submit at the bottom of the screen. To change the video adapter, a different video adapter must be proposed. For instructions to propose a new video adapter see the section entitled "Proposing a Component in SBS" in this document. The only video adapter attributes which may appear are:

- Manufacturer
- Model
- Quantity

This is a required section, at least one item must be filled in.

Video Adapter ...
 Quantity
 ▼

- h. SLED project certifications require that 1 radio button be set as follows:
- Desktop Effects Enabled – Leave this blank, do not select yes or no. It does not apply to SLED 12 or 15.
 - Power Management – Yes or No will need to be chosen.
 - Yes – means that the following power management tests all passed:
 - SLED Workstations must pass Hibernate Test, Sleep Test, and CPU Frequency Test.
 - SLED Laptops must pass Hibernate Test, Sleep Test, CPU Frequency Test, Brightness Test, Brightness Keys Test, Lid Close Test, and Battery Test.



Note: For more information about the power management policy, please see the Yes Certified System Test Kit Policy document located at:

https://www.suse.com/partners/ihv/pdf/System_Certification_Policies.pdf

- i. "Host Bus Adapter" must exist. The separate interface (SATA, SAS, etc.) is optional. If you would like to, you may add the interface by clicking on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Scroll down to the host bus adapter section. Click on the Interface field. Choose from the Interface Types listed in the drop-down choices. Type in the quantity for the host bus adapter into the Quantity field. Click submit at the bottom of the screen. To change the host bus adapter, a different host bus adapter must be proposed. For instructions to propose a new host bus adapter see the section entitled "Proposing a Component in SBS" in this document. The only attributes that may appear are:

- Quantity
- Manufacturer
- Model
- Interface – This is optional and not required.

This is a required section, at least one item must be filled in.

Host Bus Adapter	MegaRAID SAS 9267-8i RAID Controller	...	Add Proposed	Clear
	Quantity	1		
	Interface	Serial SCSI (SAS)		Clear
Host Bus Adapter	BD82C602 PCH	...	Add Proposed	Clear
	Quantity	1		
	Interface	Serial ATA (SATA)		Clear
Host Bus Adapter		...	Add Proposed	Clear
	Quantity	0		
	Interface			Clear
	Add Host Bus Adapter(s)	1		

- j. "Hard Disk Drive" must exist. The separate interface (SATA, SAS, etc.) is optional. If you would like to, you may add the interface by clicking on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Scroll



down to the hard disk drive section. Click on the Interface field. Choose from the Interface Types listed in the drop-down choices. Click submit at the bottom of the screen. To change or add a hard disk drive, a different hard disk drive must be proposed. For instructions to propose a new hard disk drive see the section entitled "Proposing a Component in SBS" in this document. The only attributes that may appear are:

- Quantity
- Manufacturer
- Model
- Interface – This is optional and not required.

(Special Characters: TM ®)

This is a required section, at least one item must be filled in.

Hard Disk Drive ...

Quantity

Interface

Hard Disk Drive ...

Quantity

Interface

- k. If the CD/DVD is in the system and tested then it must be listed on the bulletin. If a CD/DVD is used just for installing the OS, it is not required to be listed. The separate interface (SATA, SAS, etc.) is optional. If you would like to, you may add the interface by clicking on the word "Edit" (green font and underlined) above the words "Tested Configuration:". Scroll down to the CD/DVD. Click on the Interface field. Choose from the Interface Types listed in the drop-down choices. Click submit at the bottom of the screen. To change the CD/DVD, a different CD/DVD must be proposed. For instructions to propose a new CD/DVD see the section entitled "Proposing a Component in SBS" in this document. The only attributes that appear are:

- Quantity
- Manufacturer
- Model



- Interface – This is optional and not required.

(Special Characters: TM [®])

CD/DVD DV-28S-Y ... Add Proposed Clear

Quantity 1

Interface Serial ATA (SATA) ✓ Clear

Add CD/DVD(s) 1 ▼

4. Add Configuration Notes as needed from our existing configuration notes. See section 5 – Configuration Notes in this document for detailed instructions for adding Configuration Notes to a bulletin.
 - a. Click on "Edit" (green font and underlined) above the Config Notes header.
 - b. Click on Add Config Notes.
 - c. Click the Browse Notes button.
 - d. Scroll through the existing notes for an applicable note.
 - e. Click on the radio button next to the applicable note.
 - f. Scroll to the bottom and click the OK button.
 - g. If additional notes are needed, click on the Add Config Note button, the repeat steps c through f.
 - h. Click submit at the bottom of the screen.
5. Verify the Adapters and Drivers section is accurate:
 - a. A driver must be listed in the "Adapters and Drivers" section for each LAN adapter, each host bus adapter, and each video adapter. Each LAN adapter, each host bus adapter, and each video adapter must list the following driver information:
 - Driver Type
 - Driver File name
 - Driver File date
 - Driver File size
 - Driver Version
 - Driver Checksum (Not always available)
6. All LAN adapters must be listed. To change the quantity, click on the word "Edit" (green font and underlined) above the words "Adapters and Drivers". Scroll down to the LAN adapter. Type in the quantity for the LAN adapter into the Quantity field. Click submit at the bottom of the screen. To add or change the LAN adapter, a




different LAN adapter must be proposed. For instructions to propose a new LAN adapter see the section entitled “Proposing a Component in SBS” in this document. The only attributes that appear are:

- Quantity
 - Manufacturer
 - Model
 - Driver file Information
7. Host Bus Adapter and Hard disk Drive must connect to at least one device in the Tested Configuration section.
 8. Move the submission to the **Review State**.
 - a. Click on **Submit for Review** at the top (white font on green background) or the bottom (black font with green underline) of the bulletin web page.

SUSE Bulletin System Summary

Submission Summary **Submit for Review** Submission List Help Print View

[Edit](#)

 **HP Z220 CMT**
Workstation
Workstation

Submission
578632
*** NOT**
CERTIFIED

- b. Enter any information in the **Communication** field which the SUSE Engineer processing the bulletin will need to know.

SUSE Bulletin System Submit Bulletin

Submit Bulletin -- (State = OPEN)

You have 3 error(s) that you need to resolve.

Error Color Coding
Red Errors you need to resolve.
Orange Errors someone else needs to resolve.
Green Resolved Errors

Done Cancel

Communication

<<lovance -- 25-Jul-2016 11:16:45>>
New submission

Exceptions

Problem: [N/A]

Enter any information in the Communication field which the SUSE Engineer processing the bulletin will need to know

- c. Enter explanations.

- d. Look for any exceptions that require a response then enter responses as needed into the **Response** field.

▼ **Exceptions**

Problem: [N/A] N/A~Missing Company URL	Response: (optional)
--	--------------------------------

Type in explanations for the problem into this section.

- e. Click on the **Update** Exceptions button at the bottom of the page.

Update Exceptions

- f. Repeat steps a through d until all errors and exceptions have a response and there are no more errors to resolve.
- g. Click on the **Submit for Review** button at the top of the page.

SUSE Bulletin System Submit Bulletin

▼ **Submit Bulletin -- (State = NEEDS RESPONSE)**

You have no errors that you need to resolve.

Submit for Review Done Cancel

▼ **Communication**

9. The submission will switch from the **Open** state to the **Review** state. The Developer Services Engineer will review the submission and may ask for additional information.

2.3 Review State – SUSE Responsibility

1. The Partner Engineer reviews the submission and may edit any portion of the bulletin or request additional information from the partner.
2. The Partner Engineer then submits the bulletin submission to a Final Review state or a Needs Response state.



2.4 Need Response State- Partner should do the following:

The SUSE Partner Engineer has questions or has found problems with the submission which need to be resolved. The submission has been sent back to the partner for feedback. The partner provides the requested information or corrects the problem then submits the bulletin submission back to a Review state.

1. Log into SBS.
2. Choose a bulletin submission in the Needs Response state.
3. Click on the bulletin submission number (green font and underlined). This is listed under the Edit Submission column.
4. Click on the words Submit for Review on the top (white font on green background) or the bottom (black font with green underline) of the bulletin submission page.
5. Read in the Communications section for correspondence from the Developer Services Engineer.
6. Answer all questions and make all corrections to the bulletin submission as requested by the SUSE Engineer. Type a response to all questions in the Communications section of the bulletin, then click done. For help to enter or edit bulletin information see the instructions in **Section 2.2 Open State - Partner Responsibility**.
7. When all requests have been addressed re-submit the bulletin for review by clicking on the words Submit for Review at the top (white font on green background) or the bottom (black font with green underline) of the bulletin submission, then click on the Submit for Review button.
8. The bulletin submission status will change from the Needs Response state to the Review state. The Developer Services Engineer will review the submission corrections and may ask for additional feedback.



2.5 Final Review State – SUSE Responsibility

1. The Bulletin Reviewer must now review the summary for adherence to bulletin standards and make corrections as needed.
2. The bulletin Reviewer approves then submits the bulletin submission back to the Review state (if more clarification is needed) or to the Final Customer Review state.



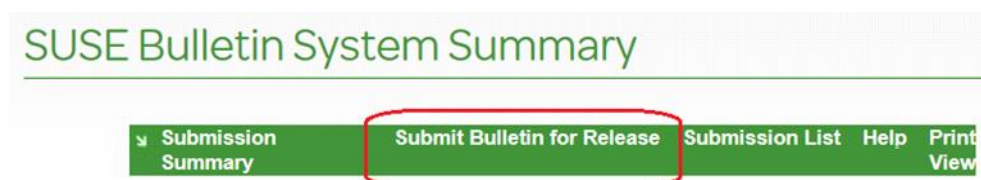
2.6 Final Customer Review State – Partner Responsibility

The bulletin submission has passed all phases of the certification process. This state allows partners to review the submission for any changes that SUSE may have made (the partner cannot change any information on a submission in this state). This state also exists to allow partners to control bulletin release. The partner then releases the bulletin.

1. Perform the final bulletin review:
 - a. Open a web browser to: <https://www.suse.com/nbswebapp/yesCert.jsp>
 - b. Log into SBS.
 - c. Select the bulletin submission under the **Edit Submission** column.
 - d. Validate all information on the Bulletin submission. Please ensure that all information on the bulletin is completely accurate.

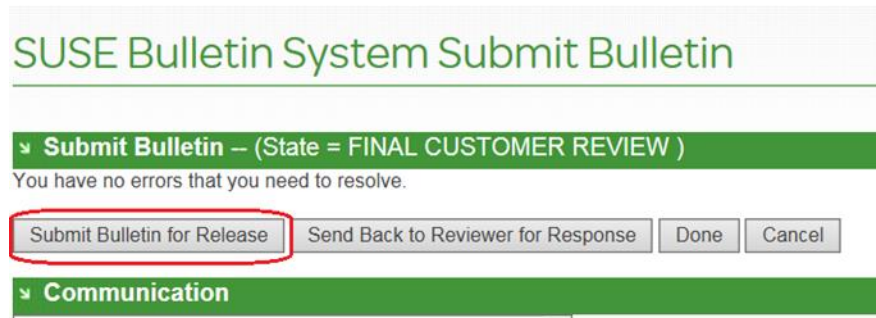
Note: This is the last chance to request changes to the bulletin. We do not allow bulletins to be changed after they are released. We do not revoke or delete bulletins once they are released.

2. Submission requires additional information or corrections:
 - a. Click on the words **Submit Bulletin for Release** on the top (white font on green background) or the bottom (black font with green underline) of the bulletin submission page.



- b. Enter correspondence into the communications field.
 - c. Click on **Send Back to Reviewer for Response**.
 - d. The submission will switch from the **Final Customer Review** state back to the **Review** state.
 - e. A SUSE Engineer will re-process the bulletin according to the requests in the communications section.

3. To release the bulletin:
 - a. Click on the words **Submit Bulletin for Release** on the top (white font on green background) or the bottom (black font with green underline) of the bulletin submission page.
 - b. Click on the **Submit Bulletin for Release** Button at the top of the web page.



SUSE Bulletin System Submit Bulletin

Submit Bulletin -- (State = FINAL CUSTOMER REVIEW)

You have no errors that you need to resolve.

Submit Bulletin for Release Send Back to Reviewer for Response Done Cancel

Communication

- c. The submission will switch from the **Final Customer Review** state to the **Release Pending** state.
 - d. The **Release Pending** is a temporary state that should only last a few minutes while the web server updates its lists with the new bulletin.
 - e. After a few minutes the submission will automatically switch from the **Release Pending** state to the **Released** state, but you must press F5 (Refresh) to update the browser with the new state.

2.7 Pending – SUSE Responsibility (automated)

This is a temporary state that will last only a few minutes after the bulletin submission has been submitted for release.

2.8 Released – SUSE Responsibility (automated)

The bulletin submission has been made into an official SUSE Yes Certification bulletin. The SUSE Yes Certification bulletin is on the public web server. The public web server will still need an hour for the new SUSE Yes Certification bulletin to appear on the search engine. The SUSE Yes Certification bulletin will be available to public view at the Yes Certified Bulletin Search located at: <https://www.suse.com/yessearch/Search.jsp>.

3 Reporting Virtualization Memory

When entering RAM for a system certified with Xen or KVM, break out the RAM per VM. (ex. Host Platform: 48 GB, Max VM Guest: 40 GB, Multi VM Guest: 9 GB)



4 Proposing a Component in SBS

The following steps are intended for proposing new computer components which do not exist in the SBS database system. The new computer component will also be added to the next products.txt update. If a product already exists in the SBS database, it will be a search result in the component check search on TC.

1. Click on "Edit" (green font and underlined) in the Tested Configuration or Adapters and Drivers section.

[Edit](#)

Tested Configuration:

Computer Type:	Notebook
Mother Board Revision:	Not Available
BIOS/uEFI:	BIOS Boot: 6IET52WW (1.12) (02/16/2010)
CPU:	Intel Core™ Processor i5-520 2.40 GHz
RAM:	2 GB
Video Adapter:	Intel 3rd Generation Core Processor Family Integrated Graphics Controller
Power Management:	Yes
Host Bus Adapter:	Intel BD3400 PCH
Hard Disk Drive:	HGST Travelstar HTS721010A9E630 1TB
CD/DVD:	HLDS HL-DT-ST GU10N
Test Kit:	System Certification Kit 8.1.0-68.1

[Edit](#)

Config Notes

1. Power management: Sleep/Suspend to RAM/ACPI S3 is NOT supported on this system.
2. Power management: System does not support brightness adjustment.

[Edit](#)

Referenced Bulletins

[Edit](#)

Adapters and Drivers

Intel Integrated 82577LM Gigabit Network Connection

Driver Type: LAN Driver	Driver Name: e1000e.ko
Driver Date: 19-Mar-2018	Driver Size: 556096
Checksum: 015f5cfec4ea631c6fff7da227ed85a5	
Driver Version: 3.2.6-k	

2. Scroll down to the missing component or component which you want to propose.

Tested Configuration:

This is a required section, at least one item must be filled in. (Special Characters: TM ®)

Computer Type:

This is a required section, at least one item must be filled in. (Special Characters: TM ®)

Mother Board Revision:

This is a required section, at least one item must be filled in. (Special Characters: TM ®)

CPU: Click on the Add Proposed button

Quantity:

This is a required section, at least one item must be filled in. (Special Characters: TM ®)

BIOS/uEFI:

This is a required section, at least one item must be filled in. (Special Characters: TM ®)

RAM:

3. Click Add Proposed for the component which you want to propose. The example below is for proposing a CPU.

SUSE Bulletin System Home Page - Internet Explorer

https://www.suse.com/nbswebapp/proposedProduct.jsp?productField=_so1616629_ct_PRODUCT_uid_15

Test Configuration

update bulletin information- Proposed Product for submission 588826

Product Name: Click here to search for the Company name

Product Type:

Company Name:

Product URL:

[Bug Report](#) or send us [Feedback](#)

Note: All fields are required to be completed or the submission will be rejected as incomplete. This will result in a needs response state for the submission.

- a. Enter the Product model in the Product name field.
- b. Click on the small square gray box containing 3 dots next to the Company Name field.
- c. Type in the name of the company who manufactures the component in the search field (i.e. Intel, Adaptec, AMD, Nvidia, etc.).

The screenshot shows a web browser window titled "SUSE YES Certification - Internet Explorer". The address bar displays the URL: <https://www.suse.com/nbswebapp/companySearch.jsp?companyField=company&parentForm=proposer>. The page content includes a green header bar with "Test Configuration" and a sub-header "update bulletin information- Company Search for submission 588826". Below this, there is a "Search for:" label followed by a text input field containing "Intel". To the left of the input field is a label "Available Companies" and a dropdown menu with the text "Select a Company". Below the input field, there are three red boxes with arrows pointing to them: "Type in a company name" (pointing to the input field), "Then click on the search button" (pointing to the "search" button), and "search" (pointing to the "search" button). The "search" button is a small gray button with the text "search". To its right are two larger gray buttons labeled "cancel" and "Update". At the bottom of the page, there is a link "Bug Report" or send us "Feedback".

- d. Click *Search*
- e. Click on the *down arrow* next to the Available Companies field. Select the appropriate company from the drop down list.

SUSE YES Certification - Internet Explorer

https://www.suse.com/nbswebapp/companySearch.jsp?companyField=company&parentForm=proposed

Test Configuration

update bulletin information- Company Search for submission 588826

Search for: Intel

Available Companies: Intel Corporation

Click on the drop down button. Then select the company name who makes the device.

search cancel Update

After selecting the company from the drop down, click on update

[Bug Report](#) or send us [Feedback](#)

f. Click *Update*.

SUSE Bulletin System Home Page - Internet Explorer

https://www.suse.com/nbswebapp/proposedProduct.jsp?productField=_so1616629_ct_PRODUCT_uid_15

Test Configuration

update bulletin information- Proposed Product for submission 588826

Product Name: Xeon® Platinum 8180 Processor

Product Type: CPU

Company Name: Intel Corporation

Product URL: on-Platinum-8180-Processor-38_5M-Cache-2_50-GHz

Enter the Manufacturer URL to the exact product in this field.

Submit Cancel Accept Proposal

[Bug Report](#) or send us [Feedback](#)

g. Enter the URL of the manufacturer's webpage to the exact product being proposed. For legal reasons we need to verify the component name and model on the manufacturer's website.

SUSE Bulletin System Home Page - Internet Explorer

https://www.suse.com/nbswebapp/proposedProduct.jsp?productField=_so1616629_ct_PRODUCT_uid_15

Test Configuration

update bulletin information- Proposed Product for submission 588826

Product Name: Xeon® Platinum 8180 Processor

Product Type: CPU

Company Name: Intel Corporation

Product URL: on-Platinum-8180-Processor-38_5M-Cache-2_50-GHz

Test URL

Submit Cancel Accept Proposal

After all fields are filled out then click on the submit button

[Bug Report](#) or send us [Feedback](#)

Note: The Product URL must be to the exact component on the manufacturer's website.

- h. Click Submit.
- 5. Repeat steps 2 through 4 for each component which needs to be proposed.

CD/DVD HL-DT-ST GU10N ... Add Proposed Clear Alias

Quantity 1

Interface

Add CD/DVD(s) 1

Clear

USB Floppy Add Proposed Clear

USB Keyboard Add Proposed Clear

USB Mouse Add Proposed Clear

submit cancel

[Help](#)



6. Once all proposed components have been added, click Submit at the bottom of the page.

5 Configuration Notes

The configuration notes on a bulletin are used to communicate different testing circumstances.

5.1 Using the Existing SBS Configuration Notes

Please choose configuration notes from the existing SBS configuration notes. To access the existing configuration notes, do the following:

- 1 Click on "Edit" (green font and underlined) above the Config Notes header.

Computer Type: Notebook
Mother Board Revision: Not Available
BIOS/uEFI: BIOS Boot: 6IET52WW (1.12) (02/16/2010)
CPU: Intel Core™ Processor i5-520 2.40 GHz
RAM: 2 GB
Video Adapter: Intel 3rd Generation Core Processor Family Integrated Graphics Controller
Power Management: Yes
Host Bus Adapter: Intel BD3400 PCH
Hard Disk Drive: HGST Travelstar HTS721010A9E630 1TB
CD/DVD: HLDS HL-DT-ST GU10N
Test Kit: System Certification Kit 8.2.0-3.3

[Edit](#)[Click on Edit](#)

Config Notes

[Edit](#)

Referenced Bulletins

[Edit](#)

Adapters and Drivers

Intel Centrino® Advanced-N 6200

Driver Type: LAN Driver Driver Name: iwlwifi.ko
Driver Date: 24-Aug-2018 Driver Size: 556664
Checksum: a906f06a2e5db52e16daf4d92a5d12c1

Intel Integrated 82577LM Gigabit Network Connection

Driver Type: LAN Driver Driver Name: e1000e.ko
Driver Date: 24-Aug-2018 Driver Size: 560648
Checksum: 73d5c534a17e1d67d42900e84e1b576c
Driver Version: 3.2.6-k

- 2 Click the Browse Notes button.

SUSE Bulletin System

Config Notes

Config Note (Special Characters: [™] [®])

[Help](#)

- 3 The config notes have category filter check boxes which can be un-selected to narrow the config note listings. The config note category filters are Installation, Virtualization, Power Management and Other. By default, all filter categories are selected as seen in the example below.

Global Note Select

Select a note:

Filter Notes Category: ☒ Install ☒ Other ☒ Power Management ☒ Virtualization

- ☐ Power management: Hibernation / Suspend to Disk / ACPI S4 is supported on this system.

- ☐ Power management: Sleep / Suspend to RAM / ACPI S3 is supported on this system.

- ☐ Sound: Recording on an external microphone is not supported on this system.

- ☐ Install: System installed via network PXE UEFI boot; the OS was installed using the UEFI boot loader and system configuration.

- 4 Unclick the boxes which do not apply to the type of config note which you are looking for. The example below has the Install config notes filter selected. Because the install config note filter is the only filter selected then only Install config notes will be listed to choose from.

Global Note Select

Select a note:

Filter Notes Category: ☒ Install ☐ Other ☐ Power Management ☐ Virtualization

Select the type of config note that you need.

☐ Install: System installed via network PXE UEFI boot; the OS was installed using the UEFI boot loader and system configuration.

☐ Install: System installed using the internal DVD drive; the OS was installed from DVD using the UEFI boot loader and system configuration.

☐ Install: OS installed via USB CD/DVD drive.

- 5 Scroll through the existing config notes for an applicable config note for your bulletin. The below example lists only install config notes.



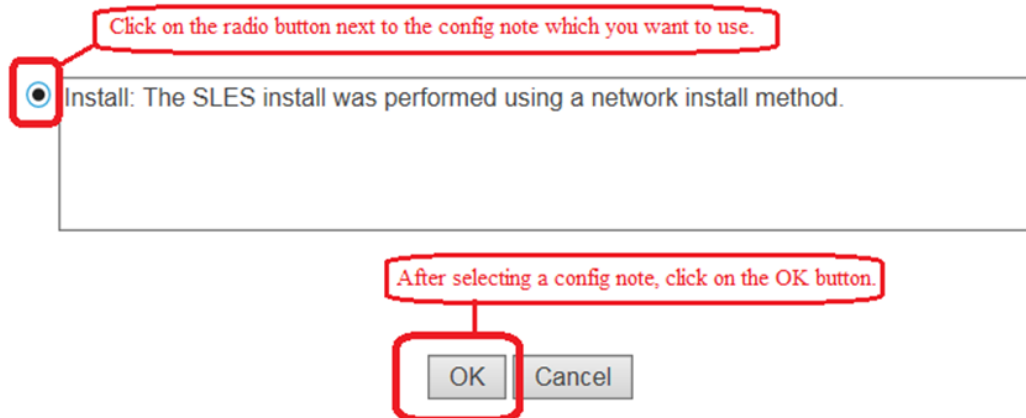
Global Note Select

Select a note:

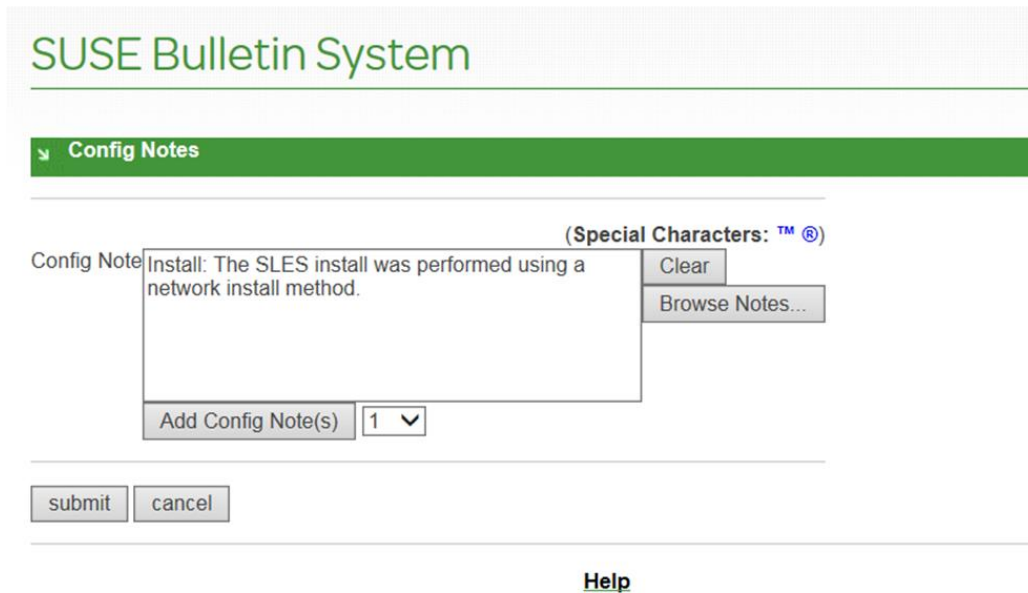
Filter Notes Category: ☒ Install ☐ Other ☐ Power Management ☐ Virtualization

- ☐ Install: System installed via network PXE UEFI boot; the OS was installed using the UEFI boot loader and system configuration.
- ☐ Install: System installed using the internal DVD drive; the OS was installed from DVD using the UEFI boot loader and system configuration.
- ☐ Install: OS installed via USB CD/DVD drive.

- 6 Click on the radio button next to the applicable note for your bulletin. Then Scroll to the bottom of the page and click the OK button.



- 7 The config note which you selected will be added to listing of config notes for your bulletin.



The screenshot shows the 'SUSE Bulletin System' interface. A green header bar contains the text 'Config Notes'. Below this, a text area labeled 'Config Note' contains the text 'Install: The SLES install was performed using a network install method.' To the right of the text area are two buttons: 'Clear' and 'Browse Notes...'. Above the text area, the text '(Special Characters: ™ ®)' is displayed. Below the text area is a button labeled 'Add Config Note(s)' followed by a dropdown menu showing '1'. At the bottom of the form are two buttons: 'submit' and 'cancel'. A 'Help' link is located below the form.

- 8 If additional notes are needed, click on the Add Config Note button, then repeat steps 3 through 7.

SUSE Bulletin System

Config Notes

(Special Characters: [™](#) [®](#))

Config Note: Install: The SLES install was performed using a network install method.

Clear

Browse Notes...

Add Config Note(s) 1 ▼

submit cancel

Help

If you need to add more config notes, then click on the Add Config Notes button.

If you are done adding config notes then click on the submit button.

- 9 Click the submit button at the bottom of the screen once you have chosen all of the config notes which apply to your bulletin.
- 10 The new config note which you have selected will appear on your bulletin.

5.2 Separation of Configuration Notes

Sometime configuration notes are placed into the same config note box. Each configuration note needs to be separated into its own config note box. Please separate all config notes into individual config notes. Follow the steps below to separate the configuration notes:

- 1 Click on the word "Edit" (green font and underlined) above the config notes category.
- 2 Click on the "Add config note" button.
- 3 Enter the config note into the config note field.
- 4 Repeat steps 2 and 3 for each additional config note.
- 5 Click the submit button at the bottom of the screen.

5.3 Configuration Notes for Drivers added to the SUT for Testing

The driver configuration note is needed to provide information for users to obtain the driver and duplicate the tested configuration. We highly recommend that all drivers used in certification testing are downloaded from the SUSE SolidDriver Program website. The SUSE SolidDriver Program drivers are built by SUSE and have a greater level of support associated with them than non-SUSE SolidDriver Program drivers. Drivers from other locations may not be supported in a customer escalation phone call. The SUSE SolidDriver Program drivers can be downloaded from: <http://drivers.suse.com>

The configuration note must include:

- The driver name.
- The URL download location for the driver.
- The downloadable filename containing the driver.
- Any instructions which an end user will need to install the driver.

The template config notes which are in the sample configuration notes are as follows:

SUSE SolidDriver Program compliant

The <Driver Name> is SUSE SolidDriver Program compliant. The driver was installed from the following rpm:

<driver rpm filename on drivers.suse.com>. This driver can be downloaded and installed after the SLES install. To obtain the driver go to:
<http://drivers.suse.com/driver-process/pub/<exact file location>>

SUSE SolidDriver Program non-compliant

The <Driver Name> used during testing is not SUSE SolidDriver Program compliant. The driver was installed from the following driver package: <driver rpm filename>. This driver package can be downloaded and installed after the SLES install. To obtain the driver goto: <http://<exact file location>>

The < > are place holders for information.

Please fill in the information between the brackets then remove the < > after filling

in the information.

Example 1:

The `igb.ko` is SUSE SolidDriver Program compliant. The driver was installed from the following rpm: `intel-igb- 1.3.19.3-1.x86_64.rpm` and `intel-igb-kmp-smp-1.3.19.3_2.6.16.60_0.21-1.x86_64.rpm`. These drivers can be downloaded and installed after the SLES install. To obtain the drivers go to:

http://drivers.suse.com/driver-process/pub/update/Intel/sle11sp1/common/x86_64/

Example 2:

The `fglrx.ko` driver used during testing is not SUSE SolidDriver Program compliant. The driver was installed from the following driver package:

`ati-fglrxG02-kmp-pae(version:8.762_2.6.32.12_0.7-1(i586))` and `x11-video-fglrxG02(version:8.762-1(i586))`. This driver can be downloaded and installed after the SLED install. To install the ATI driver, below steps are needed:

1. Yast-->Software Repositories Click "Add" in "Configured Software Repositories" select "Specify URL" and click "Next". Enter the "Repository name" as "ATI driver" and "URL" as "<http://www2.ati.com/suse/sle11sp1>" in "Media Type", and click "Next".
2. Yast-->Software Management. Change the filter to "Repositories" select the repository names "ATI" and install the packages listed in "Available".



6 Proposing a Component Driver in SBS

There may be situations when a driver used during testing needs to be added to the bulletin. There are 3 possible scenarios for the missing driver.

- The driver was detected but was not selected during the product information entry screens.
- The driver was detected but was deleted from the System Information Entry on TC by the user.
- The driver was not detected during the component check and as a result was not selectable during the System Information Entry on TC. This is very unlikely but may happen if a hypervisor such as KVM is loaded for bare metal testing.

The following steps are intended for proposing a missing driver for a computer component.

- 1 Click on "Edit" (green font and underlined) above the words Adapters and Drivers.
- 2 Scroll down to the component which is missing the driver.
- 3 Next to the File field click Add Proposed.

Note: All fields are required to be completed or the submission will be rejected as incomplete. This will result in a needs response state for the submission.

- 4 Fill in the blank fields:
 - a. Type the driver file name into File Name field. 4b. Type the driver file size into Size field.
 - b. Type the driver file date into Date field. 4d. Type the driver version into Version field.
 - c. Click on the File Type field. Choose the driver type from the drop-down list.
 - d. The Driver URL is an optional field. Your SUSE Engineer who is processing the bulletin submission will let you know if the Driver URL is needed.
 - e. Click Submit.
- 5 Repeat steps 2 through 4 for each missing driver which needs to be proposed.
- 6 Once all proposed drivers have been added, click Submit at the bottom of the page.



7 Process for Creating a 3C Bulletin

For policy's regarding the 3C bulletins please refer to the Hardware Component Exchange Guide section in the Yes Certified System Policies document located at: https://www.suse.com/partners/ihv/pdf/System_Certification_Policies.pdf

To create a 3C bulletin follow the steps below.

- 1 Open a web browser the SUSE Bulletin System. URL: <https://www.suse.com/nbswebapp/yesCert.jsp>
- 2 Click on *Create a 3C Bulletin*.
- 3 Enter the bulletin number of the released non-3C bulletin to be referenced.
- 4 Click the *Submit Query* button. If the bulletin number which you are inputting is invalid or already a 3C bulletin, then the query will fail. The failed query will generate the following message: "Please enter an Existing Bulletin Number that is not a referenced bulletin."
- 5 Verify that the company name is correct.
 - a. If the company name needs to be changed then click on the *Change button*.
 - b. Enter the company name into the company search field.

The wild card % can be used to help search for the company name.

For example, Intel % will result in the search result of Intel Corporation.
 - c. Click on the *Search* button.
 - d. Click on the *Select Company* drop down field to choose the company name.
 - e. CPU and other computer pieces can also be changed. All changes must be in accordance with the SUSE YES Certified System Test Kit Policies.
- 6 Verify that the product name is correct at the top of the summary. This field is editable.
- 7 Verify that the product description is correct at the top of the summary. This field is editable.
- 8 Click *Next*.
- 9 Verify that the components are correct. Edit as needed by clicking the change button associated with the field.
- 10 Click *Next*.
- 11 Enter any further instructions into the field below above the *Submit* button.



- 12 Click *Submit*. The new 3C bulletin number will be displayed. The new 3C bulletin will be placed into the company name queue in a review state. A SUSE engineer will process the bulletin in the order which it was submitted.



8 Revision History

Date	Description
February 2024	Updated for SCK 9.0. Updated the interface information to explain that it is optional.
February 2023	Updated for SCK 8.8.
June 2022	Changed page size to 8.5 x 11. Other minor changes were made.
April 2022	Changed the document to current SUSE branding. Removed Ports and Bus types from the document including replacing screenshots. Updated to 8.7 test kit.
April 2021	Changed the Doc to version 8.6.
January 2021	Changed the document to current SUSE branding.
May 2020	Changed font top Works Sans.
March 2020	Changed the Doc to version 8.5.
January 2020	Updated copyright to 2020
October 2019	Removed discontinued product from this document.
September 2019	Updated the Yes Program Guide URL.
July 2019	Changed the Doc to version 8.4.
July 2019	Added section for listing SOC on bulletins.
May 2019	Added updated persistent memory instructions and updated screenshot.
February 2019	Updated for release of Test kit 8.3.
January 2019	Added unreleased bulletin deletion policy to section 2 Bulletin States and Instructions.
October 2018	Added more illustrations/screen shots to section 2.2 open state and section 2.6 Final Customer Review State.



September 2018	Updated for 8.2 Test kit. Added illustrations to the Configuration notes section. Added persistent memory entry instructions to section 2.2 open state. Corrected the section numbering in section 2.
July 2018	First release of this document as a separate publication. The original document was modified to include illustrations for the following sections: Process for Creating a SBS user account, Bulletin Submission Creation, Open State, and Proposing a Component.

