

[ISWPS REPLACEMENT PROCESSING - RIPS]

1. Connecting the Maintenance PC

Connect the Maintenance PC to the SSVP, and then log in to the SVP.

- “Attachment/Removal Procedure of Maintenance PC” ([INST\(IN\)13-02-10](#))
 - “Connection to the SVP” ([SVP01-30](#))
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2. Starting the SVP window

From the menu of Web Console, click [Maintenance Components] - [Maintenance Other Components].

3. Changing the operation mode

Change the mode to [View Mode].

4. Starting Maintenance Utility

In the SVP window, click [Maintenance Utility]. (See “Starting Maintenance Utility” ([MU01-10](#))).

5. Confirm the location of HSNBX

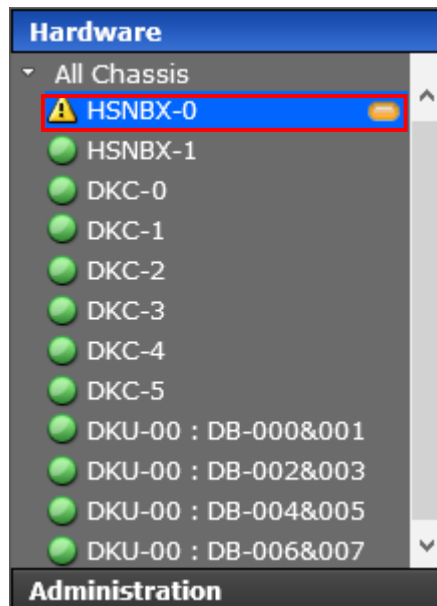
Turn on the Locate LED on the HSNBX in which the ISWPS to be replaced is installed to check the chassis location.

Refer to “Turn on/off Locate LEDs ”([MU02-40](#)) for the operation to turn on the Locate LED.

6. Selecting replacement parts by Maintenance Utility.

(1) <Main window>

Select [HSNBX-X] in the main window.

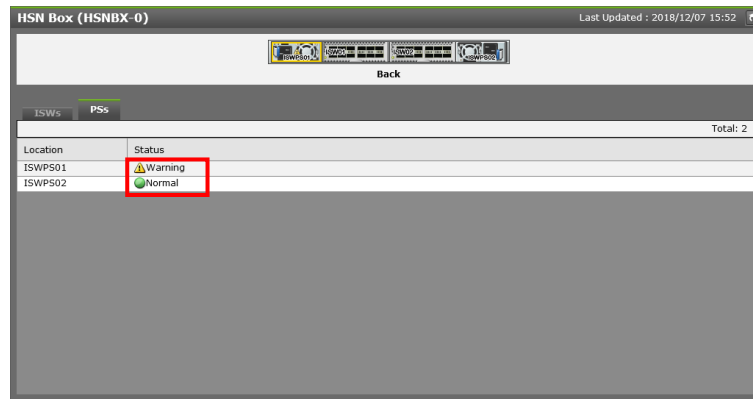


(2) <HSNBX window>

Click the [PSs] tab in the HSN BOX window to display a ISWPS status.

See “Alert Display Related to FRU (Field Replacement Unit)” (MU02-10) for [Status].

The status of the failed ISWPS is “Warning”.

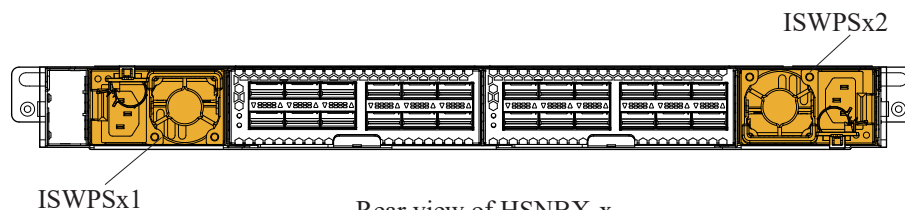


NOTE : If you perform a preventive replacement of a normal PS, confirm that the other PS is normal, and then replace the target PS.

If the other PS has a failure, restore the PS, and then replace the target PS.

7. Power Supply (for HSNBX) Replacement Processing

Location	Function Name of Component		Part Name
Rear of HSNBX	1	ISWPS	ISWPS



*1: HSNBX-x
↳ HSNBX No. (0, 1)

NOTICE: To prevent part failures caused by static electrical charge built up on your own body, be sure to wear a wrist strap connected to the Storage System before starting and do not take it off until you finish. See “Note on Installing and Removing Parts” (REP(GE)01-30).

NOTICE: The insertion direction of ISWPSx1 and ISWPSx2 is opposite.

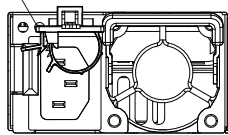
- (1) Check that the ALM/RDY LED (red) on the ISWPS to be replaced lights up.
When the LED does not light up, check the location of the ISWPS to be replaced in the Maintenance Utility window.

CAUTION

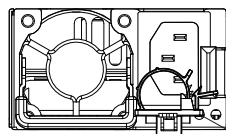
If replacing the ISWPS not to be replaced, the system will be down. Check that the ISWPS is to be replaced.

Figure 1-1 ALM/RDY LED Position

ALM/RDY LED



ISWPSx1



ISWPSx2

ALM/RDY LED

- (2) Remove the power cable from the ISWPS to be replaced.
Remove the cable holder from the power cable and remove the power cable from the ISWPS.

CAUTION

Watching for short-circuits:

A Short-circuit may cause a fire.

Never insert metal or the like into the cable connector or a short-circuit may occur.

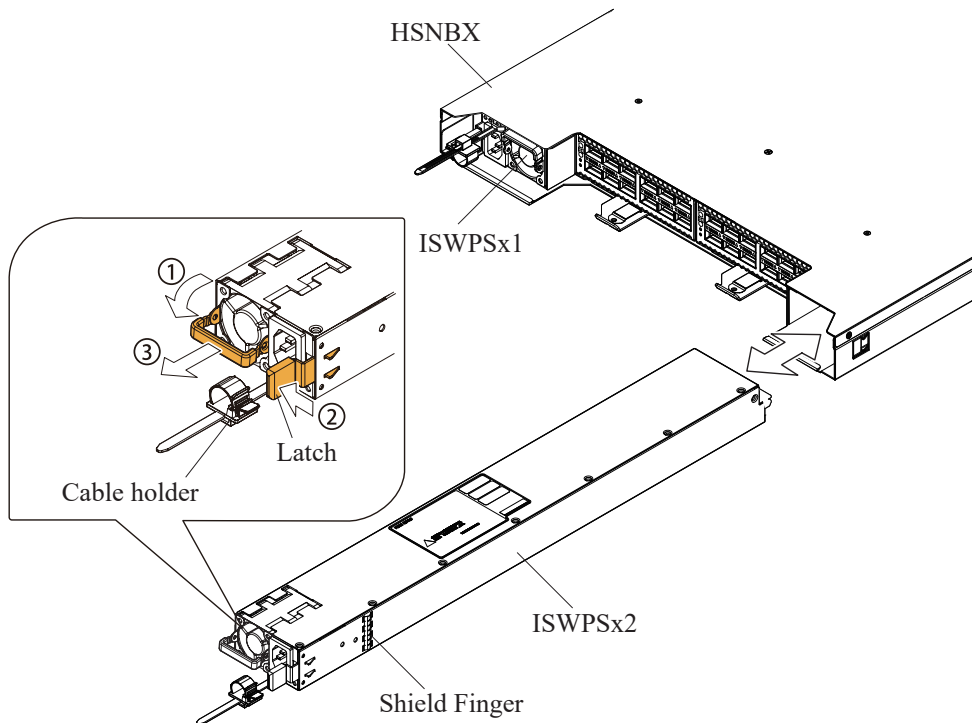
- (3) Replace the ISWPS.
- Pull the lever open (①).
 - Pull the lever (③) while pressing the latch (②) on the ISWPS inward.
 - Pull out and remove the ISWPS while holding its body with both hands.

NOTICE:

- Wait for more than or equal to 20 seconds from removal of ISWPS, and then insert the new ISWPS.
- If ISWPSs are inserted randomly, malfunction may occur. Therefore, insert the ISWPSs in two steps, Step (d) and Step (e) shown below.

- Insert the new ISWPS to be added into the slots just before the shield finger.
- Push the Power Supply gently until the latch of the ISWPS clicks and locks.

Figure 1-2 Replacement of ISWPS



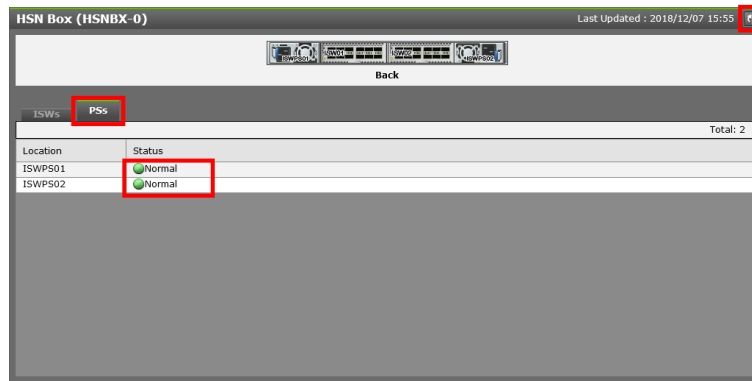
- Connect the removed power cable to the ISWPS, and then fix the cable by the cable holder.
- Check that the ALM/RDY LED on the ISWPS changes from red to green.

NOTICE: If the ALM/RDY LED (red) does not go out for more than 30 minutes after replacing the ISWPS, redo the steps from Step (2).

(6) <Check ISWPS restoration>

Click the [PSs] tab in the HSNBX window and check that a Status of the replaced ISWPS is “Normal”.

NOTE : Click [refresh] on the upper right of the window to update the window, and then check the status.



(7) Turn off the Locate LED on the HSNBX in according with “Turn off Locate LED” (MU02-70).

8. Closing Maintenance Utility

(1) Click [Logout] to close the window.

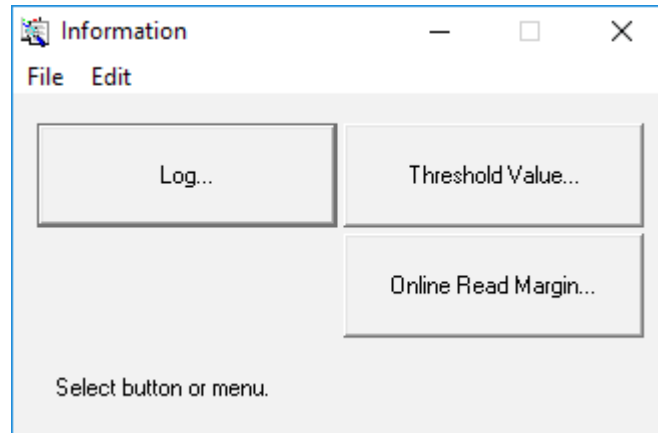
(2) <Get the error information>

Collect small system dumps by referring to “Dump/Auto Dump” (SVP02-09-10).

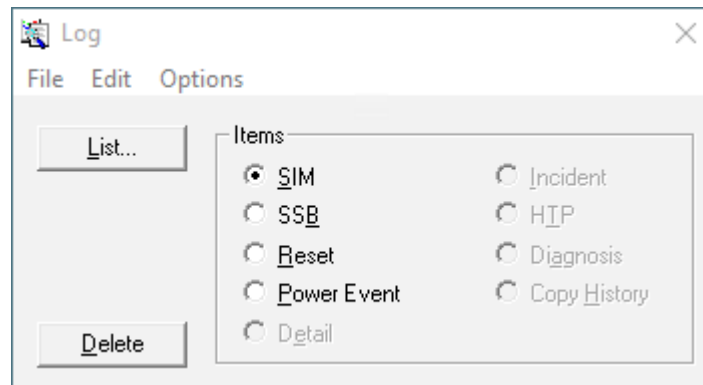
(3) Refer to the “Use of OnlineDumpTool” (SVP02-21-10), please upload the error information.

9. Completing the SIM log

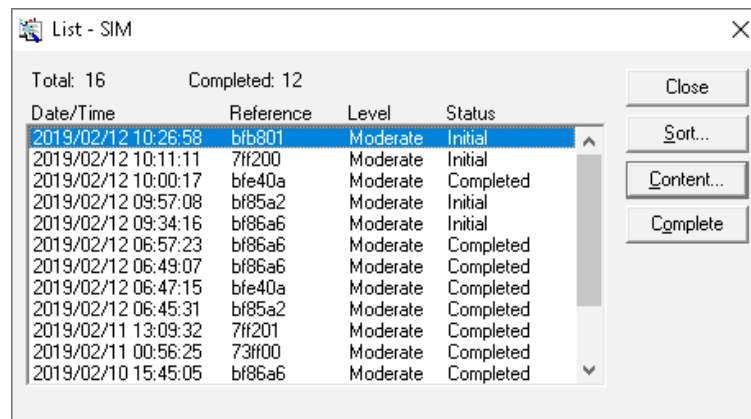
- (1) Change the mode to [Modify Mode], and then select [Information].
- (2) In the Information window, click [Log...].



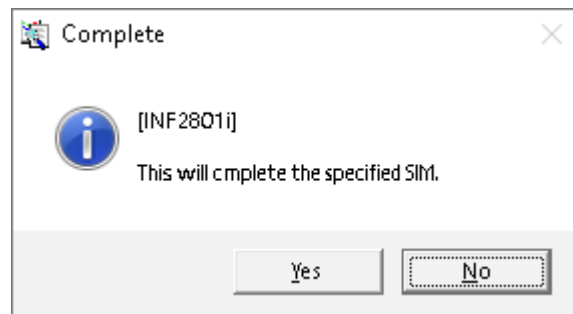
- (3) In the Log window, select [SIM] and then [List...].



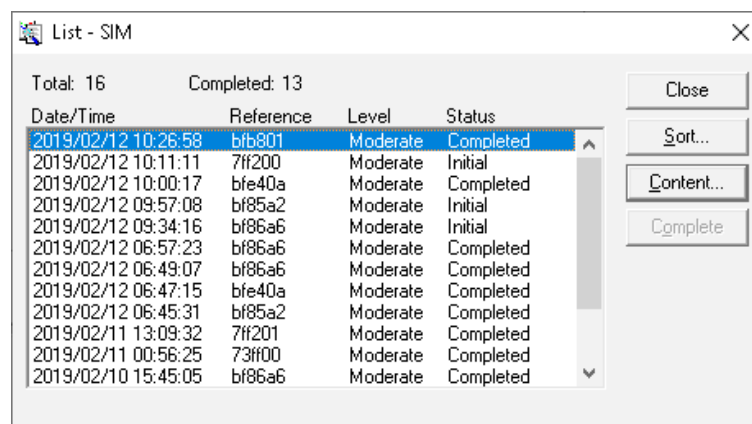
- (4) In the List-SIM window, select the data for which you end the process, and then click [Complete].



- (5) In the Complete window, click [Yes].



- (6) In the List-SIM window, confirm that the “Status” of the data has become “Completed”.



- (7) In the List-SIM window, click [Close].

Close the Log window, then the Information window.

Change the mode from [Modify Mode] to [View Mode].

NOTE: If the MESSAGE LED is lit on the HSNPANEL after you complete all SIMs, display SIMs to check that SIM statuses are “Completed”. If SIM statuses are not “Completed”, wait for five minutes, and then perform the procedure for completing the SIM log again.

10. Checking Normality

Perform the normality check according to “Checking Normality (TRBL02-06-10)”.