Appendix 18. Response to NACCS Failure and Recovery

(For Users Not Using NACCS DNS)

Appendix 18-1 Response to NACCS Failure and Recovery (For Users Not Using NACCS DNS)

18.1.1 Response to NACCS failure

In the event of a NACCS failure, each user who cannot use the DNS server provided by the NACCS Center must either "change the setting of the currently specified destination IP address", "change the setting of the configuration file of another currently used DNS server", or "change the setting of the IP address to the hosts file of the terminal where the packaged software is installed".

Table 18.1.1 shows the failure categories, target processing modes, and response methods that require setting method change. Users who fall under the target Processing Mode described in Appendix Table 18.1.1 need to prepare in advance so that the response described in the response method can be promptly implemented in the event of a failure indicated in the failure category.

Appendix Table 18.1.1 Response to NACCS failure

Failure category	Target Processing Mode	Response method
Main center failure (Note 1)	Interactive Processing mode (SMTP two-way)	Change the settings of the currently specified destination IP address.
NACCS Network node failure (Note 2)	E-mail style processing mode	Change the settings of the currently specified destination IP address.
	Packaged Software (Interactive Processing mode)	Change the IP address settings to the settings file of another DNS server currently in use or the hosts file of the terminal where the packaged software is installed.

(Note 1) A failure of the Main center refers to the time when the NACCS system is difficult to operate at the Main center and switched to the Backup center.

(Note 2) NACCS Network node failure refers to the time when a route switching device configured in the NACCS Network has a failure.

(1) Main center failure

In the event of Main center failure, users who use the interactive processing mode (SMTP two-way) shall change the destination IP address. This destination IP address indicates the destination IP address of the message (inbound message) sent from the user side system to NACCS. The destination IP address is as follows:

[Destination IP address for inbound messages for Main center failure]
10.6.49.13

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.

In the event of Main center failure, the source IP address of the message sent from NACCS to the user side system (outbound message) is as follows. Users who use the interactive processing mode (SMTP two-way) should set the communication device on the user side in advance to receive packets from these IP addresses as necessary.

[Source IP address for outbound messages in the cases of Main center failure]
10.6.54.1
10.6.54.2

(2) NACCS Network node failure (e-mail processing mode)

In the event of NACCS Network node failure, users who use the interactive e-mail processing mode shall change the destination IP address. The destination IP address is as follows:

[Destination IP address in Main center failure]
10.1.129.14

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.

(3) NACCS network node failure (packaged software (interactive processing mode))

In the event of NACCS Network node failure, users who use packaged software (interactive processing mode) shall change the settings of the destination IP address for the destination domain name as shown in Appendix 18.1.3. For the method of changing the setting, refer to the corresponding method column in Appendix 18.1.1. Users who fall under this section should set up their communication devices as necessary, so that communication with the destination IP address shown in Appendix Table 18.1.3 become possible. As for the destination domain name, the same domain name as in normal operation will be used continuously, so there is no need to change the settings.

Appendix Table 18.1.3 Destination domain name and destination IP address at the time of NACCS Network node failure

Destination domain name	Destination IP address
http.prod.naccs6	10.1.129.11
kanri.prod.naccs6	10.1.129.12
portps.prod.naccs6	10.1.129.17
bbs.prod.naccs6	10.1.135.100

<u>This response is required only for users who do not use the NACCS DNS server, and it is not necessary for users who use the NACCS DNS server.</u>

18.1.2 Response to NACCS failure (when using the procedure to retrieve Management Document Information)

For each user who cannot use the DNS server provided by the NACCS Center, the destination IP address shall be changed when the NACCS Network node fails in the case of using the user system and using the procedure to retrieve Management Document Information. The destination IP address is as follows:

[NACCS Network Node Failure Destination IP Address]
　10.1.129.12

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.

18.1.3 Response to NACCS recovery

For each user who implemented the response described in "18.1.1 Response to NACCS failure" in the event of NACCS failure, it is necessary to return back to the normal setting after NACCS is recovered. The response methods are as follows.

(1) When Main center is recovered

In the event of Main center recovery, users who use the interactive processing mode (SMTP two-way) shall change the destination IP address. This destination IP address indicates the destination IP address of the message (inbound message) sent from the user side system to NACCS. The destination IP address is as follows:

[Destination IP address for inbound messages for Main center recovery]
　10.5.49.13

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.

In the event of Main center recovery, the source IP address of the message sent from NACCS to the user side system (outbound message) is as follows. Users who use the interactive processing mode (SMTP two-way) should set the communication device on the user side in advance to receive packets from these IP addresses as necessary.

[Source IP address for outbound messages in the cases of Main center recovery]
   10.5.54.1
   10.5.54.2
   10.5.54.3

(2) NACCS network node recovery (e-mail Processing Mode)

In the event of NACCS Network node recovery, users who use the interactive e-mail processing mode shall change the destination IP address. The destination IP address is as follows:

[Destination IP Address for Main center recovery]
   10.1.1.14

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.

(3) NACCS Network node recovery (packaged software (interactive processing method))

In the event of NACCS Network node recovery, users who use packaged software (interactive processing mode) shall change the settings of the destination IP address for the destination domain name as shown in Appendix 18.1.4. For the method of changing the setting, refer to the corresponding method column in Appendix 18.1.1 because the method is the same as one for the failure. Users who fall under this section should set up their communication devices as necessary, so that communication with the destination IP address shown in Appendix Table 18.1.4 become possible. As for the destination domain name, the same domain name as in normal operation will be used continuously, so there is no need to change the settings.

Appendix Table 18.1.4 Destination domain name and destination IP address at the time of NACCS Network node recovery

Destination domain name	Destination IP address
http.prod.naccs6	10.1.1.11
kanri.prod.naccs6	10.1.1.12
portps.prod.naccs6	10.1.1.17
bbs.prod.naccs6	10.1.7.100

This response is required only for users who do not use the NACCS DNS server, and it is not necessary for users who use the NACCS DNS server.

18.1.4 Response to NACCS recovery (when using the procedure to retrieve Management Document Information)

For each user who cannot use the DNS server provided by the NACCS Center, the destination IP address shall be changed when the NACCS Network node recovers in the case of using the user system and using the procedure to retrieve Management Document Information. The destination IP address is as follows:

[NACCS Network Node Recovery Destination IP Address]
   10.1.1.12

Users who fall under this section should set up their communication devices, etc. in advance, as necessary, so that communication with the above mentioned destination IP address become possible.